

# LECTRA FASHION PLM PRODUCT DEVELOPER

## Screens Configuration Use Cases

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 Modifications made to the document since its last publication are highlighted in [blue](#).

## INTRODUCTION

The objective of this document is to show how to implement some screens configuration use cases to help implementation team to solve some frequent customer's requests. This document does not explain how to configure the system or how to use PLM Manager. Please see appropriate Documents about V4R2 Configuration and PLM Manager for more details.

## 1. PRODUCT

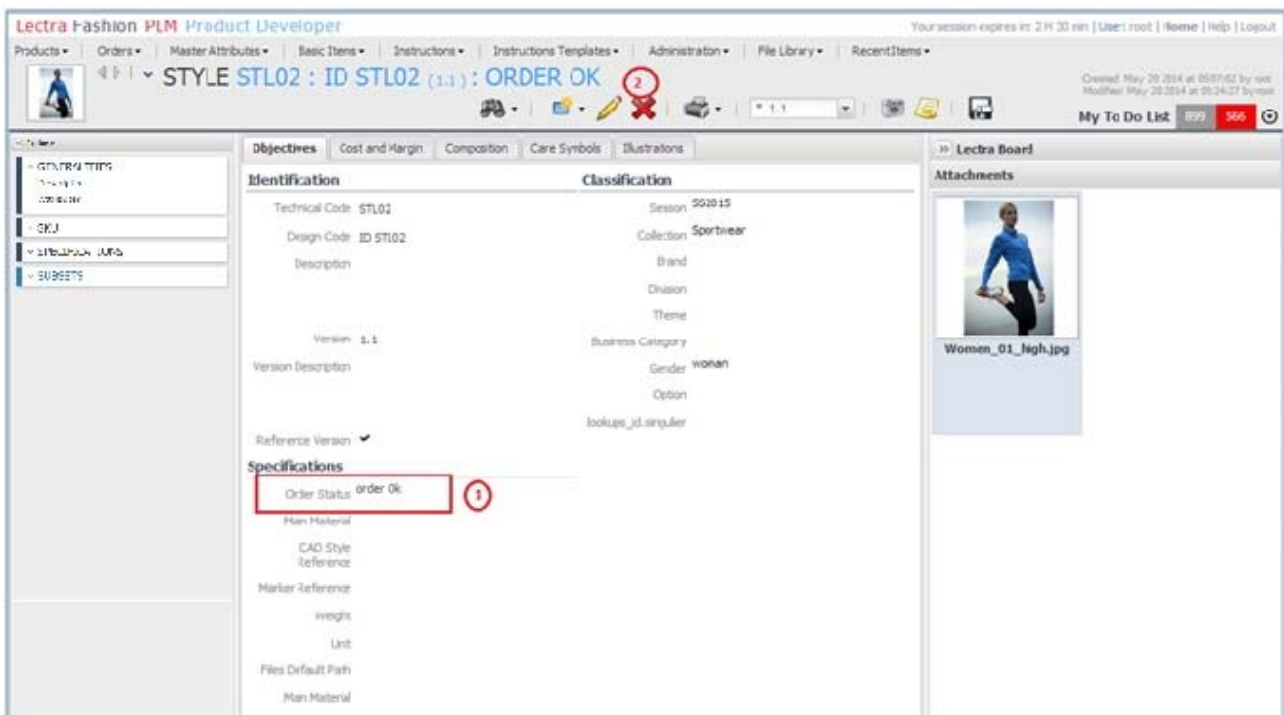
### 1.1 New Custom Field

#### 1.1.1 Case

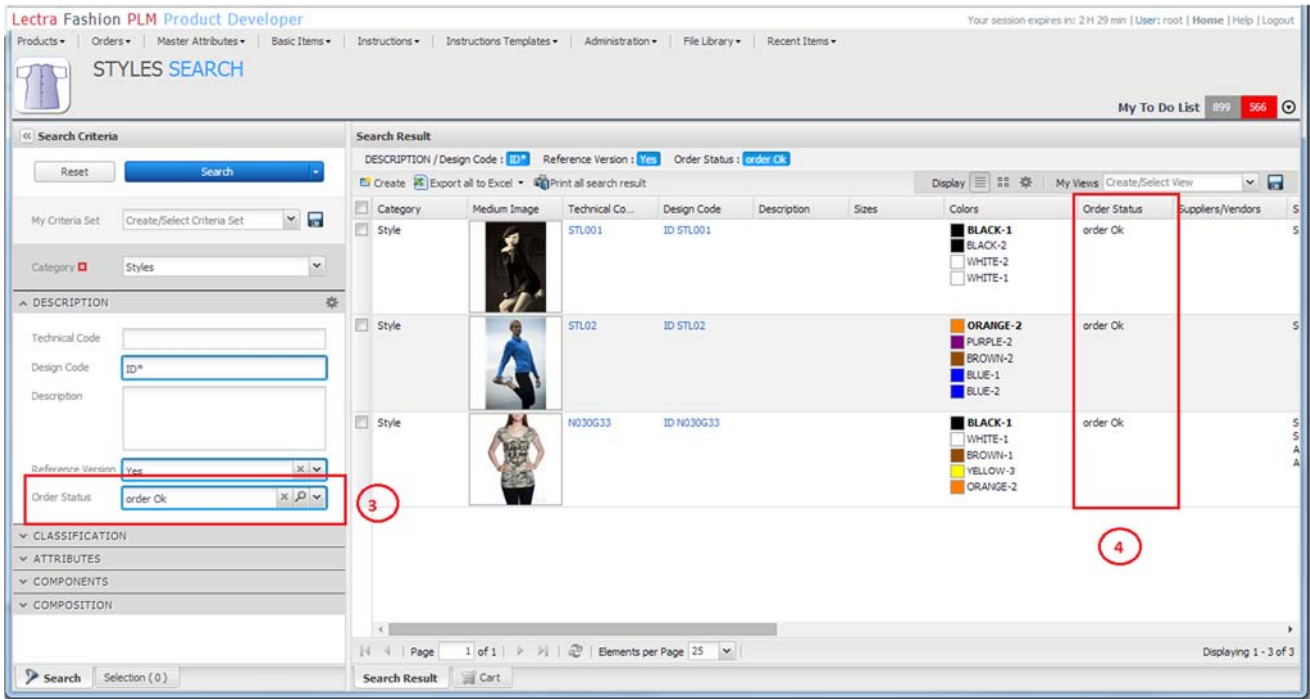
Add a new field for Style Category named "Order Status". This field takes its value from a pick list.

Use this field as search criteria.

Then show this field in Style Header.



*Order Status in Style Description and Header*



*Order Status as Search Criteria in Style Explorer*

### 1.1.2 Configuration

#### **PLM Manager Steps**

1. Menu: Data->Values List.
2. Add pick list named "OrderStatus" if it doesn't exist
3. Menu: Data Configuration->Extend Data Model.
4. Branch Style: Add Custom role named "orderStatus".
5. Define "orderStatus" custom role as a search criteria in .xls file to import in PLM Manager.

#### **Screens**

1

Declare your custom role for Style Description Objectives:

- a. On your PLM server, open **namespaces/custom/Lectra.PDM.ProductGO.xml** under LectraPLMParam.
- b. Duplicate the following code from namespaces/Lectra.PDM.ProductGO.xml to namespaces/custom/Lectra.PDM.ProductGO.xml.
- c. Add the highlighted line.

```
<panel name="description_Style" layout="column" autoScroll="true" padding="4">
  <panel columnWidth="0.5" border="false">
    <panel name="identification" titleI18n="Screen.identification" inherits="LookLikefieldset">
      <textfield id="codeAlpha1" name="codeAlpha1" fieldLabelI18n="technicalCode"
exclusiveField="codeAlpha2" />
      <textfield id="codeAlpha2" name="codeAlpha2" fieldLabelI18n="studyCode"
exclusiveField="codeAlpha1" />
      <textarea name="description" fieldLabelI18n="description" />
    </panel>
  </panel>
</panel>
```

```

<textfield name="version.number" fieldLabelI18n="version" readOnly="true"
condition="${#newStatut neq true}" conditionCtrl="com.Lectra.lpf.uimodel.FeatureFilter" />
<textarea name="version.description" fieldLabelI18n="Label.version.description"
condition="${#newStatut neq true}" conditionCtrl="com.Lectra.lpf.uimodel.FeatureFilter" />
<xcheckbox xtype="refversionfield" name="version.refVersion" fieldLabelI18n="RefVersion"
condition="${#newStatut neq true}" conditionCtrl="com.Lectra.lpf.uimodel.FeatureFilter" />
</panel>
<panel name="detail" titleI18n="Screen.specification" inherits="LookLikefieldset">
  <nodecombo name="orderStatus" fieldLabelI18n="orderStatus" hiddenName="orderStatus"
  editable="true" />
  <nodecombo fieldLabelI18n="Style.mainFabric" hiddenName="mainFabric" />
  <textfield name="cad_style_reference" fieldLabelI18n="cad_style_reference"
conditionCtrl="com.Lectra.lpf.uimodel.FeatureFilter" anchor="100%" />
  <textfield name="marker_consumption" fieldLabelI18n="marker_consumption"
conditionCtrl="com.Lectra.lpf.uimodel.FeatureFilter" />
  <numberfield fieldLabelI18n="WeightDTO.value" name="weight.value" />
  <nodecombo fieldLabelI18n="unit" hiddenName="weight.unit" />
  <nodecombo xtype="filepathnodecombo" forceSelection="false"
propertyNameText="${#i18n['path']}" name="fileAttachementDefaultPath"
fieldLabelI18n="ProductGODTO.fileAttachementDefaultPath"
conditionCtrl="com.Lectra.lpf.uimodel.FeatureFilter" >
    <listener on="filePathUpdated" fn="Lectra.PDM.ProductGO.updateFileDefaultPath" />
  </nodecombo>
</panel>
</panel>

<panel name="collection" titleI18n="Screen.collection" columnWidth="0.5"
inherits="LookLikefieldset">
  <nodecombo fieldLabelI18n="${#axeRoleName}.singulier" hiddenName="${#cClassifRoleName}"
multiSelect="true" propertyName="${#propertyName}" genProductClassif="prodgo" />

  <!-- Private field(s) : do not edit -->
  <customSerializer
type="com.Lectra.pdm.lpf.ext.serializers.ProductClassifGeneratorCustomSerializer" />
  <!-- End of private field(s) -->
</panel>

  <!-- Private field(s) : do not edit -->
  <customSerializer type="com.Lectra.lpf.ext.serializer.ReadOnlyCustomSerializer"
condition="${#PAGE_TYPE.isDisplaying()}" />
  <!-- End of private field(s) -->
</panel>

```

2

Declare your custom role for Style Header:

- On your PLM server, open [/template/default/newHeaderAndActions.html](#) under LectraPLMParam.
- Add the highlighted lines in "titrebleu" description part.

```

<span class="titrebleu">
  #if($BLOCK)
    #if($BLOCK.getField("code1") && !
$TOOLS.isNull($SCREEN_HELPER.getField($SCREEN_DTO, $BLOCK.getField("code1")))
      $DTO_HELPER.link($SCREEN_HELPER.getField($SCREEN_DTO, $BLOCK.getField("code1")))
    #end
    #if($BLOCK.getField("code2")&& ! $TOOLS.isNull($SCREEN_HELPER.getField($SCREEN_DTO,
$BLOCK.getField("code2")).getValue() ) )
      : $SCREEN_HELPER.getField($SCREEN_DTO, $BLOCK.getField("code2")).getValue()
    #end
  #end

```

```

        #if($TOOLS.isNotNull($SCREEN_HELPER.getField($SCREEN_DTO
,$BLOCK.getField("version"))) )
        <span style="font-size: 60%">
        #set($VERSION = $SCREEN_HELPER.getField($SCREEN_DTO , $BLOCK.getField("version")))
        #if($VERSION.getValue())
            ( $VERSION.getValue() )
        #end
        </span>
    #end
    #if($BLOCK.getField("order")&& ! $TOOLS.isNotNull($SCREEN_HELPER.getField($SCREEN_DTO,
$BLOCK.getField("order")).getValue() ) )
        : $SCREEN_HELPER.getField($SCREEN_DTO, $BLOCK.getField("order")).getValue()
    #end
#else
    $I18N.getString($part2)
#end
</span>

```

3 Declare your custom role as search criteria for Style Category:

- a. On your PLM server, open **namespaces/custom/Lectra.PDM.Search.Product.xml** under LectraPLMParam.
- b. Copy the following code in **namespaces/custom/Lectra.PDM.Search.Product.xml** if it doesn't exist yet.
- c. Add the highlighted line.

```

<!-- ***** -->
<!-- Description block definition -->
<!-- ***** -->
<panel name="description_Style" titleI18n="ProductGO.tree.generalObjectives" collapsible="true">
    <textfield name="codeAlpha1.values" fieldLabelI18n="codeAlpha1" chkVisible="true" />
    <textfield name="codeAlpha2.values" fieldLabelI18n="codeAlpha2" chkVisible="true" />
    <textarea name="description.values" fieldLabelI18n="description" chkVisible="true" />
    <twincombo name="RefVersion" fieldLabelI18n="RefVersion" hiddenName="refVersion.values"
    ignoreFormClear="false" inherits="http://Lectra.com/pdm/common#yesno"
    conditionCtrl="com.Lectra.Lpf.uimodel.FeatureFilter" />
    <nodecombo fieldLabelI18n="orderStatus" propertyFamily="process"
    propertyName="OrderStatus" hiddenName="orderStatus.values" chkVisible="false" />
</panel>

```

4 Display the Column result for the Custom Role in Style Explorer:

- a. On your PLM server, open **namespaces/custom/Lectra.PDM.Search.Product.xml** under LectraPLMParam.
- b. Copy the following code in **namespaces/custom/Lectra.PDM.Search.Product.xml** if it doesn't exist yet.
- c. Add the highlighted line.

```

<explorereditablegrid name="resultGrid_Style" inherits="resultGrid">
<!-- XXX : categoryName (Style, Fabric, etc ...) -->
<!-- Columns description -->
<!-- securityCells : define the tagNames tagName1, tagName1 etc -->
<!-- tagName : column Name wisht can be controlled before render explorer -->
    <colModel inherits="resultGrid/colModel"
    securityColumns="colorTag, supplierTag, descTag"
    securityBranch="Screen" securityType="{#categoryName}" colorTag="colors,sizes"
    supplierTag="suppliers,seasonsClassif" descTag="description,codeAlpha1" >

```

```
<column xsi:type="nodecolumn" headerI18n="orderStatus"  
dataIndex="orderStatus" editable="true" propertyName="OrderStatus"  
propertyFamily="process" />  
</colModel>  
<store xsi:type="Lpfdirectstore" inherits="resultGrid/store" >  
  <dataField name="orderStatus" />  
</store>  
</explorereditablegrid>
```

## 1.2 New custom field with associated length unit

### 1.2.1 Case

Add a new field for Style Category named "**CustomDap**". A length unit must be associated to this field.

Use this field as a research criteria associated to a second criteria of "**nodeCombo**" type that will allow search parameters to be added to the first field.

This field will then appear in the Style header as a value to be entered and a list to select the unit.

### 1.2.2 Configuration

#### PLM Manager Steps

1. Menu: Data Configuration->Extend Data Model.
2. Branch Style: Add Custom field named "CustomDap".
3. Enter the type of field to Double.
4. Select the process unit family and the unit name at "Unit Length".
5. Save and apply.
6. Define the "CustomDap" custom field as well as the length unit property as search criteria in the .xls file to port into the PLM Manager.

#### Screens

1

Declare your custom role for Style Description Objectives:

- a. On your PLM server, open [namespaces/custom/Lectra.PDM.ProductGO.xml](#) under LectraPLMParam.
- b. Duplicate the following code from [namespaces/Lectra.PDM.ProductGO.xml](#) to [namespaces/custom/Lectra.PDM.ProductGO.xml](#).
- c. Add the highlighted line.

```
<panel name="description_Style" layout="column" autoScroll="true" padding="4"><panel
columnWidth="0.5" border="false">
<panel name="identification" titleI18n="Screen.identification"
inherits="Looklikefieldset">
<numberfield fieldLabelI18n="customDap" name="customDap" />
<nodecombo fieldLabelI18n="customDap_CustomFieldUnit"
hiddenName="customDap_CustomFieldUnit"
propertyName="UnitLength" multiSelect="false" />
```

2

Declare your custom role as search criteria for Style Category:

- d. On your PLM server, open [namespaces/custom/Lectra.PDM.Search.Product.xml](#) under LectraPLMParam.
- e. Copy the following code in [namespaces/custom/Lectra.PDM.Search.Product.xml](#) if it doesn't exist yet.
- f. Add the highlighted line.



```
<panel name="description_Style" titleI18n="ProductGO.tree.generalObjectives"
collapsible="true">
<textfield name="codeAlpha1.values" fieldLabelI18n="codeAlpha1" chkVisible="true" />
<textfield name="codeAlpha2.values" fieldLabelI18n="codeAlpha2" chkVisible="true" />
<textarea name="description.values" fieldLabelI18n="description" chkVisible="true" />
<twincombo name="RefVersion" fieldLabelI18n="RefVersion" hiddenName="refVersion.values"
ignoreFormClear="false" inherits="http://Lectra.com/pdm/common#yesno"/>
  <numberfield fieldLabelI18n="customDap"
name="customFieldWithUnit|||customDap|||double" />
  <nodecombo fieldLabelI18n="customDap_CustomFieldUnit"
hiddenName="customFieldWithUnit.arg_unitId"
propertyName="UnitLength"
multiSelect="false" />
</panel>
```

**Note:**

The "customFieldWithUnit|||customDap|||double" character string format must be followed. The customFieldWithUnit value is mandatory, as well as the field name (customDap) and its type (double), separated by the "|||".

The types can be: double, float, long, int.

3

To display the two columns for a custom field in the styles explorer, add highlighted lines:

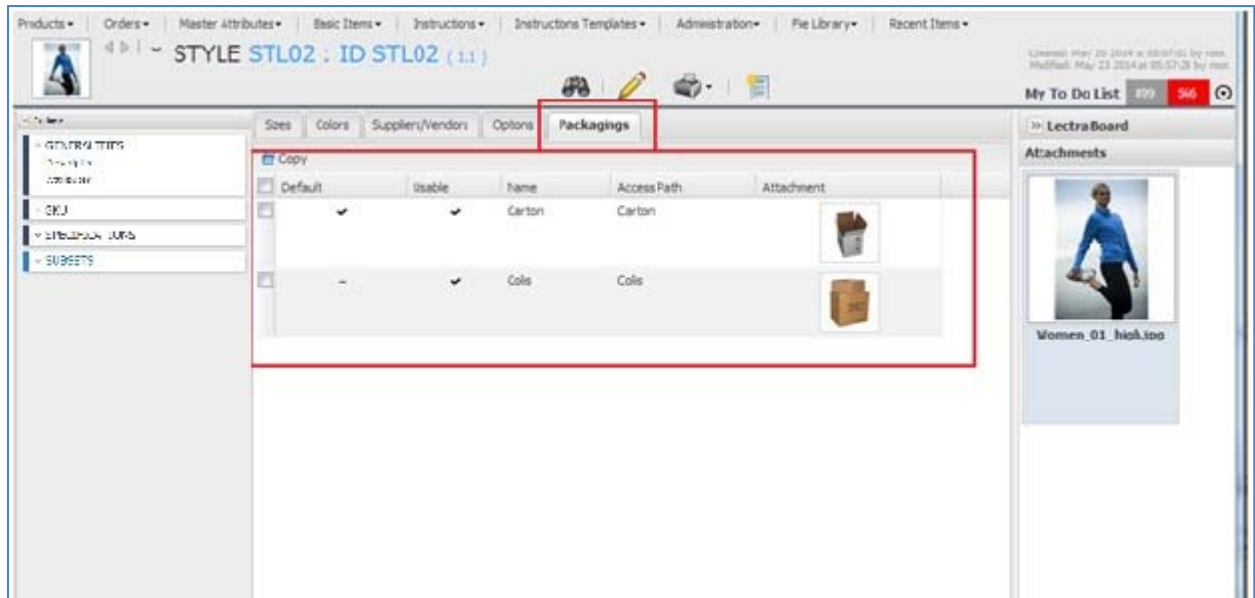
- a. On your PLM server, open **namespaces/custom/Lectra.PDM.Search.Product.xml** under LectraPLMParam.
- b. Copy the following code in **namespaces/custom/Lectra.PDM.Search.Product.xml** if it doesn't exist yet.
- c. Add the highlighted lines.

```
<explorereditgrid name="resultGrid" managerRef="explorerStyleGrid"
explorerSubType="Product" explorerType="{#categoryName}" lockColumn="true"
forceValidation="true" multiCell="true" stateId="ExplorerProduct_grid" stateful="true"
tempCreationId="codeNum2" singleSelectExpr="{#singleSelect}" quickCreateMode="false" >
<!-- Columns description -->
<colModel>
<column xsi:type="numbercolumn" headerI18n="customDap" dataIndex="customDap"
editable="true"/>
<column xsi:type="nodecolumn" headerI18n="customDap_CustomFieldUnit"
dataIndex="customDap_CustomFieldUnit" propertyFamily="process"
propertyName="UnitLength" editable="true"/>
...
<!-- Data description -->
<!-- Advice : Do not edit to keep all data definition -->
<store xsi:type="lpfdirectstore" remoteSort="true" forceUpdateRecordsOnFail="true">
<dataField name="customDap" />
<dataField name="customDap_CustomFieldUnit" />
...
</store>
```

## 1.3 New attribute (variation axis)

### 1.3.1 Case

Add a new attribute named "Packaging" for Style Category.



*Packaging tab added in Style Attributes*

### 1.3.2 Configuration

#### PLM Manager Steps

1. Menu: Classification/Define lookup values.
2. Add a new entry named "Packaging".
3. Menu: Data Configuration->Extend Data Model.
4. Branch Style->attributes: add the new attribute Packaging, Save and apply the configuration.

#### Screens

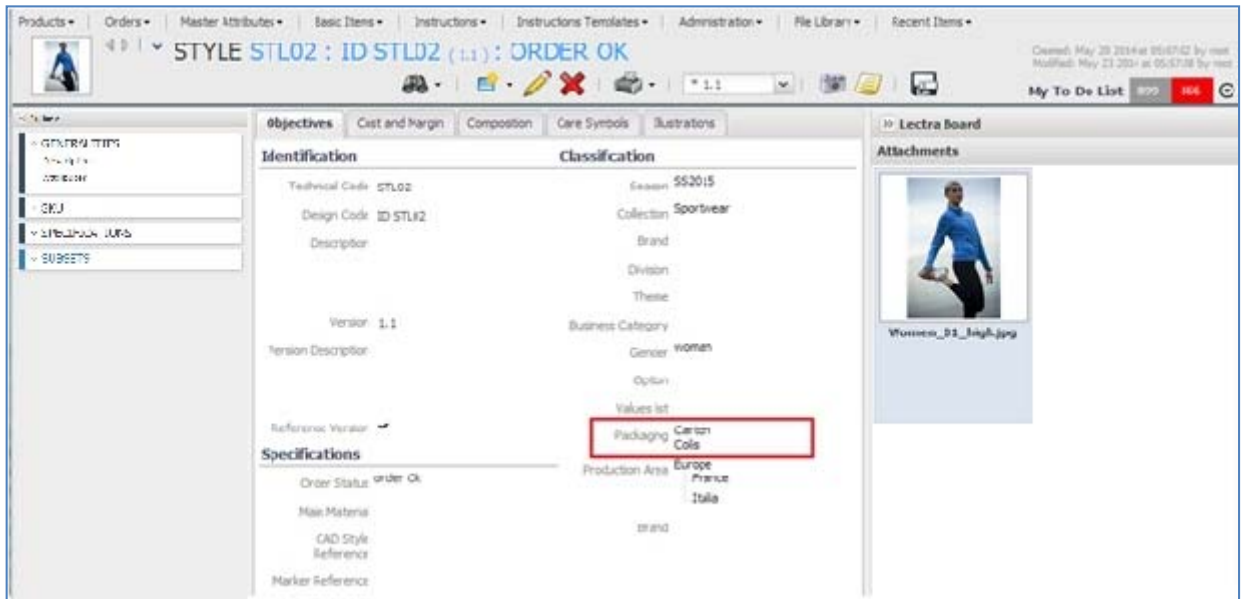
To add show the new attribute tab on Attributes explorer:

- a. On your PLM server, open [screensCusto.xml](#) under LectraPLMParam.
- b. Duplicate the following code from [screens.xml](#) to [screensCusto.xml](#).
- c. Add the highlighted line.

```

<!-- Attributes screen definition of Style category -->
<screen name="Axis.Style" extends="Axis">
<tabs name="axisTabs" placement="top" prefKey="ProductGO.axis.show"
  tabManager="com.Lectra.pdm.webapp.tabs.AxisTabManager"
  tabSelectionStrategy="com.Lectra.pdm.webtool.config.tab.ProductGOTabStrategy">
  <tab name="sizesTab" i18nKey="ProductGO.description.sizeValues"
    icon="cmtree_icons/FinalSize_16.gif">
    <table name="sizes"
      collapsible="false"
      defaultColumn="default"
      customizable="true"
      sortable="true"
      thumbView="false"
      displayed="true"
      displayActionsLabels="true"
      enableColId="true"
      forceFit="true"
      border="false"
      resizable="false"
      resizerCt="tabPanel.Axis.Style.axisTabs">
      <column name="linePosition" i18n="linePosition" displayed="false" editable="false"
        sortableBy="linePosition"/>
      <column name="default" i18n="default" editable="true" sortable="false" minWidth="50"/>
      <column name="usable" i18n="usable" editable="true" minWidth="50"/>
      <column name="base" i18n="base" editable="true" minWidth="40"/>
<!-- <column name="envItem" i18n="FinalSize.envItem" editable="false"/> -->
      <column name="axifyable.name" i18n="name" editable="false" autoComplete="true"
        canCreate="false" pick="false" editableIf="local"/>
      <column name="envItem.qualifier" i18n="FinalSize.qualifier" editable="false"/>
      <column name="envItem.size.size.name" i18n="size" editable="false"/>
      <column name="envItem.option1.size.name" i18n="finalSizes.option1.size.name"
        editable="false"/>
      <column name="envItem.option2.size.name" i18n="finalSizes.option2.size.name"
        editable="false"/>
      <column name="envItem.sizeRun.name" i18n="sizeRun" editable="false"/>
      <column name="fileLinkSmall" i18n="fileLinkSmall" editable="true"/>
      <column name="sizeAlias" i18n="label.alias" editable="true"/>
    </table>
  </tab>
  <tab name="packagingsTab" i18nKey="packagings" directChild="true"
    associatedDtoName="packagingsClassif">
    <table name="packagings"
      collapsible="false"
      defaultColumn="default"
      customizable="true"
      sortable="true"
      displayed="true"
      forceFit="false"
      border="false">
      <column name="linePosition" i18n="linePosition" displayed="false" editable="false"
        sortableBy="linePosition"/>
      <column name="default" i18n="default" editable="true" sortable="false" minWidth="50"/>
      <column name="usable" i18n="usable" editable="true" minWidth="50"/>
      <column name="axifyable.name" i18n="name" editable="false" autoComplete="true"
        canCreate="false" pick="false" editableIf="local"/>
      <column name="axifyable.path" i18n="path" editable="false" autoComplete="true"
        canCreate="false" pick="false" editableIf="local"/>
      <column name="fileLinkSmall" i18n="fileLinkSmall" editable="true"/>
    </table>
  </tab>
</tabs>
</screen>

```



*New attribute will appear also in Style Description*

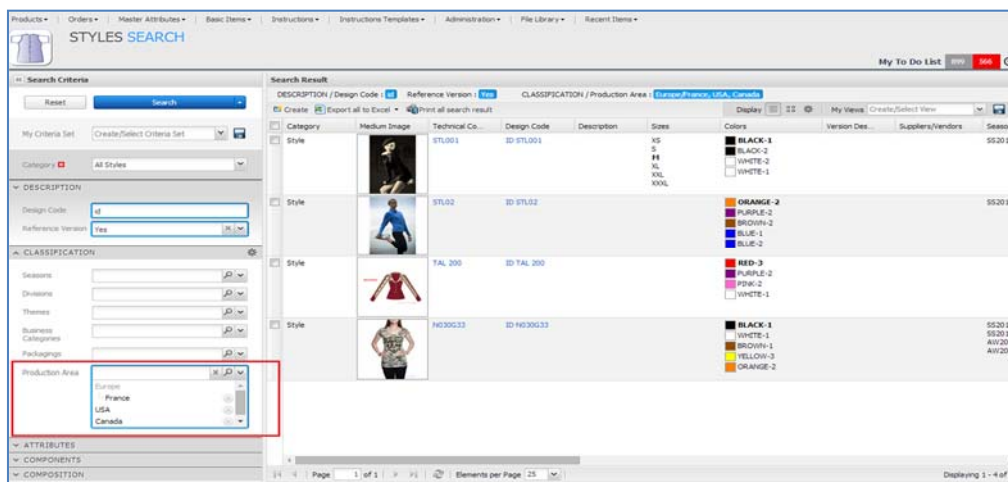
## 1.4 New classification attribute

### 1.4.1 Case

Add a new classification attribute named "ManufacturingCountry" to be able to classify Styles. The attribute is displayed in Description bloc of Styles, and will be displayed in Style search criteria.



*Classification attribute added in Style Description*



*Classification attribute added as search criteria in Style Explorer*

### 1.4.2 Configuration

#### PLM Manager Steps

1. Menu: Classification/Define Lookup Values.
2. Add a new entry named "ManufacturingCountry".
3. Menu: Classification/Affect Lookup Values.
4. Set the new attribute as classification attribute for Style Category.

#### Screens

Nothing to do: the new attribute will appear in both Style Description and Style Explorer.

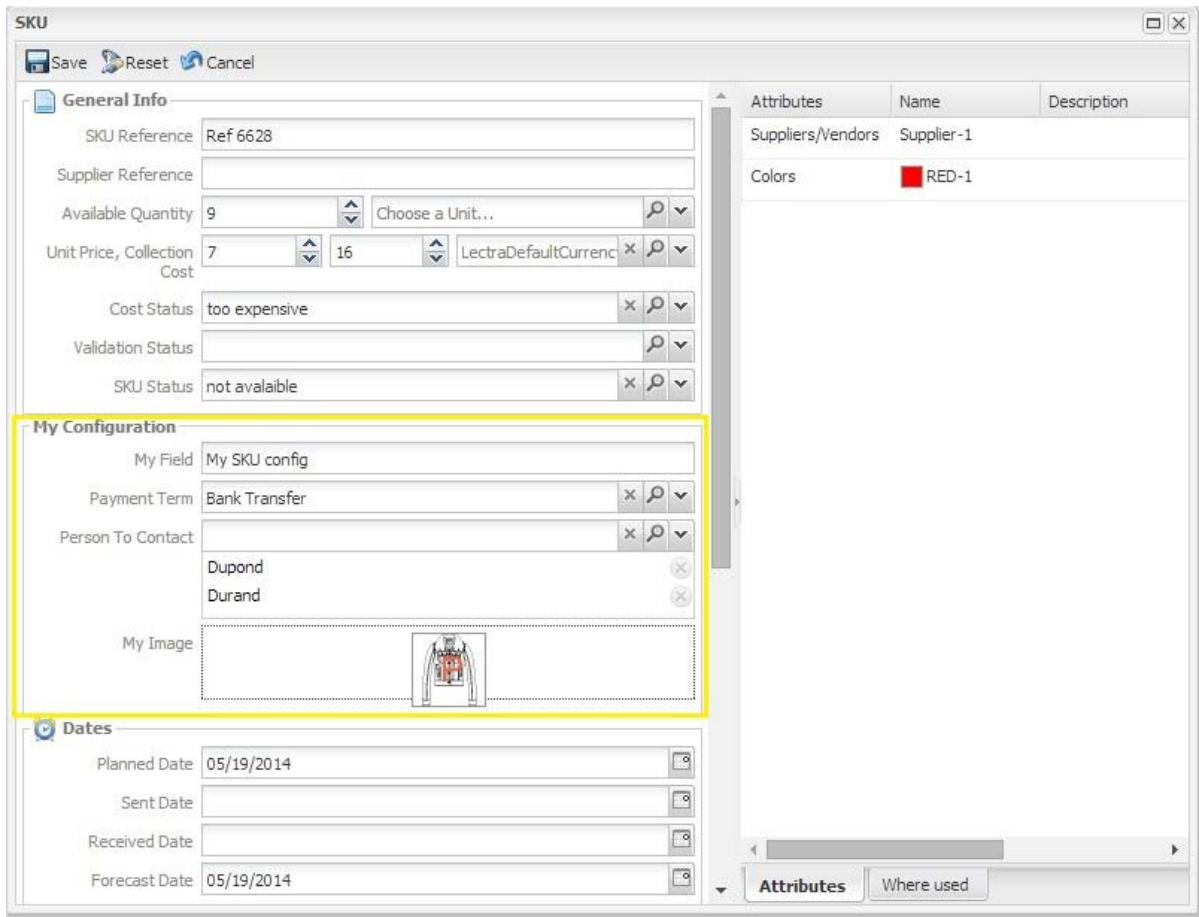
## 2. SKU

### 2.1 SKU form and SKU Grid in the product

#### 2.1.1 Case

Configure a standard SKU named "ColorApproval" with Custom Fields and Custom Roles.

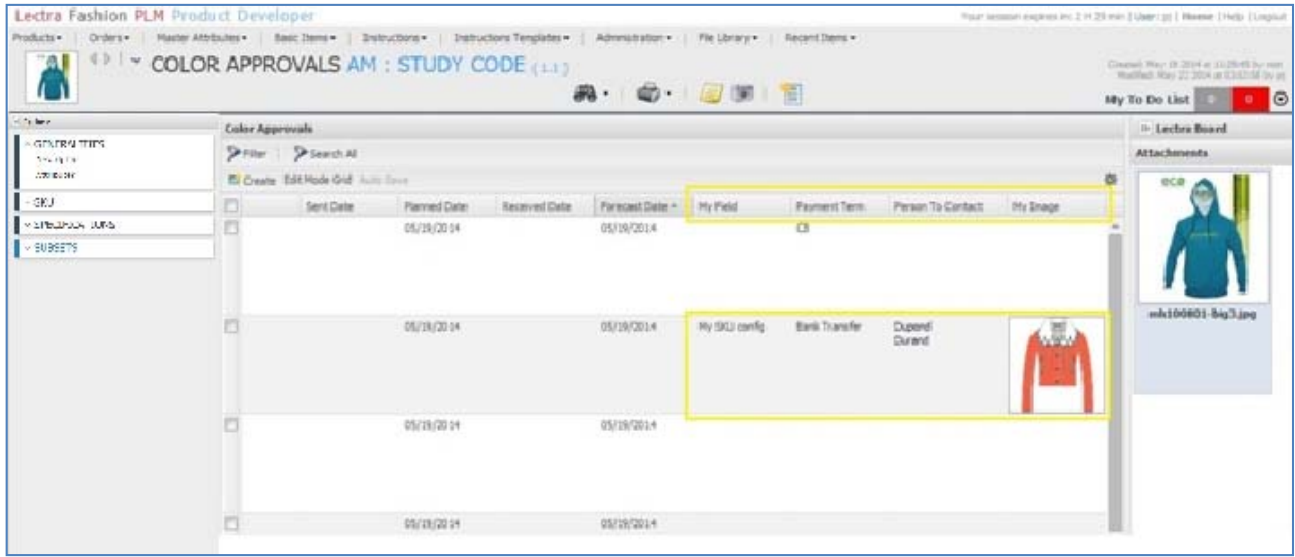
**SKU form:** "My Configuration" block in My SKU ColorApproval.



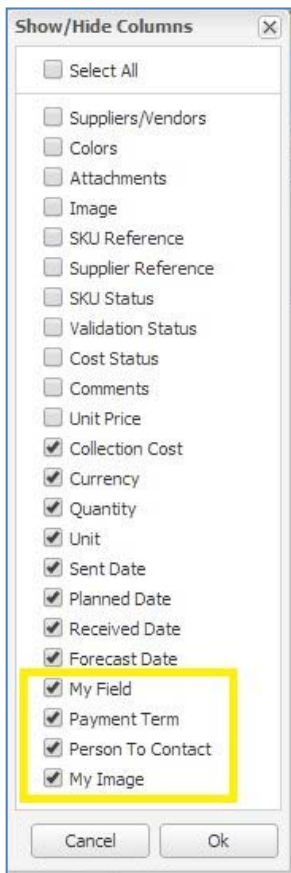
The screenshot shows the 'SKU' configuration window. The 'General Info' section includes fields for SKU Reference (Ref 6628), Supplier Reference, Available Quantity (9), Unit Price (7), Collection Cost (16), Cost Status (too expensive), Validation Status, and SKU Status (not available). The 'My Configuration' section, highlighted in yellow, includes 'My Field' (My SKU config), 'Payment Term' (Bank Transfer), 'Person To Contact' (Dupond, Durand), and 'My Image' (a small image of a garment). The 'Dates' section includes Planned Date (05/19/2014), Sent Date, Received Date, and Forecast Date (05/19/2014). On the right, the 'Attributes' table shows 'Suppliers/Vendors' (Supplier-1) and 'Colors' (RED-1).

Attributes	Name	Description
Suppliers/Vendors	Supplier-1	
Colors	RED-1	

**SKU Grid in a Product:** See here the four custom columns: My Image, My Field, Payment Term, Person To Contact.



**Custom fields and roles in the column configurator:** See here the four custom columns: My Image, My Field, Payment Term, Person To Contact.



## 2.1.2 Configuration

### PLM Manager Steps

1. Go to Data Configuration - Extend Data Model
2. Extend SKU item
3. Right click on **ColorApproval** - Add custom fields and custom roles :
  - Add a String CustomField named **MyField**
  - Add a Pick list CustomRole named **PaymentTerm**
  - Add a Pick list CustomRole named **PersonToContact** and checked "Allow multiple"
  - Add a Document Target named **MyImage**

### Configure the Screens SKU Form and SKU Grid in the product

To be able to use the Custom Field and Custom Roles in the SKU form and in the SKU grid of the product, on your PLM server, open and edit the file **Lectra.PDM.SKU.xml** under **LectraPLMParam\namespaces\custom** and add the following XML code.

Step1: declare the "MyConfiguration" block in the SKU form:

Open a panel on Sku "**ColorApproval**" form and add a fieldset "**MyConfiguration**" , and declare each custom fields and custom roles:

```
<panel name="mainPanel_ColorApproval" inherits="mainPanel_default">
  <fieldset titleI18n="MyConfiguration" position="1">
    <textfield fieldLabelI18n="MonChamp" name="MyField" />
    <nodecombo fieldLabelI18n=" PaymentTerm " hiddenName="PaymentTerm"
    propertyName="PaymentTerm" propertyFamily="process" multiSelect="false" />
    <!-- change to multiSelect to true for a multiple role -->
    <nodecombo fieldLabelI18n=" PersonToContact " hiddenName="PersonToContact"
    propertyName="PersonToContact" propertyFamily="process" multiSelect="true" />
    <imagefield name="MyImage" fieldLabelI18n=" MyImage " imageSize="small"
    inherits="http://Lectra.com/pdm/common#defaultImageField" managerRef="smallImageField">
      <managerInstance name="Lectra.PDM.Mgrs.imageFieldMgr" />
    </imagefield>
  </fieldset>
</panel>
```

*Green color represents translations. See step 3.*

Step 2: declare the columns in the SKU grid of the product:

Open the explorereditablegrid of the ColorApproval SKU:

```
<explorereditablegrid name="skuSearchResultsGrid_ColorApproval"
inherits="skuSearchResultsGrid_default">
```



Open the colModel (columns) of the **ColorApproval** SKU and declare the custom fields as columns:

```
<colModel inherits="skuSearchResultsGrid_default/colModel">
  <column xsi:type="textcolumn" headerI18n=" MyField " dataIndex="MyField"
    sortIndex="customFields.MyField" editable="true" />
  <column xsi:type="nodecolumn" headerI18n=" PaymentTerm " dataIndex="PaymentTerm"
    sortIndex="customRoles.PaymentTerm.name" editable="true" />
  <column xsi:type="nodecolumn" headerI18n=" PersonToContact " propertyFamily="process"
    propertyName="PersonToContact" dataIndex="PersonToContact" editable="true"
    multiselect="true" />
  <column xsi:type="imagecolumn" headerI18n=" MyImage " dataIndex="MyImage" editable="true"
    imageSize="medium">
    <imageEditor inherits="http://Lectra.com/pdm/common#defaultImageField"
      managerRef="productImageField">
      <managerInstance name="Lectra.PDM.Mgrs.imageFieldMgr" />
    </imageEditor>
  </column>
</colModel>
```

*The string custom field MyField is sortable.*

*The non multiselect list custom role PaymentTerm is sortable.*

*The multiselect list custom role PersonToContact is not sortable.*

Declare all the dataIndexes of custom fields and the custom roles:

```
<store xsi:type="Lpfgroupingstore" inherits="skuSearchResultsGrid_default/store">
  <dataField name="MyField" />
  <dataField name="PaymentTerm" />
  <dataField name="PersonToContact" />
  <dataField name="MyImage" />
</store>
```

Close the SKU **ColorApproval** ExplorerGrid

```
</explorereditablegrid>
```

Here the view of the consolidate xml **Lectra.PDM.SKU.xml** under **LectraPLMPParam\namespaces\custom**:

```
<namespace uri="http://Lectra.com/pdm/sku/custom" prefix="sku"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xs="http://www.w3.org/2001/XMLSchema">

<panel name="mainPanel_ColorApproval" inherits="mainPanel_default">
  <fieldset titleI18n="MyConfiguration" position="1">
    <textfield fieldLabelI18n="MonChamp" name="MyField" />
    <nodecombo fieldLabelI18n=" PaymentTerm " hiddenName="PaymentTerm"
      propertyName="PaymentTerm" propertyFamily="process" multiSelect="false" />
    <!-- change to multiSelect to true for a multiple role -->
    <nodecombo fieldLabelI18n=" PersonToContact " hiddenName="PersonToContact"
      propertyName="PersonToContact" propertyFamily="process" multiSelect="true" />
    <imagefield name="MyImage" fieldLabelI18n=" MyImage " imageSize="small"
      inherits="http://Lectra.com/pdm/common#defaultImageField" managerRef="smallImageField">
      <managerInstance name="Lectra.PDM.Mgrs.imageFieldMgr" />
    </imagefield>
  </fieldset>
</panel>
```

```

<explorereditablegrid name="skuSearchResultsGrid_ColorApproval"
inherits="skuSearchResultsGrid_default">
<colModel inherits="skuSearchResultsGrid_default/colModel">
  <column xsi:type="textcolumn" headerI18n="MonChamp" dataIndex="MyField"
sortIndex="customFields.MyField" editable="true" />
  <column xsi:type="nodecolumn" headerI18n=" PaymentTerm " dataIndex="PaymentTerm"
sortIndex="customRoles.PaymentTerm.name" editable="true" />
  <column xsi:type="nodecolumn" headerI18n="P PersonToContact " propertyFamily="process"
propertyName="PersonToContact" dataIndex=" PersonToContact " editable="true" />
  <column xsi:type="imagecolumn" headerI18n=" MyImage " dataIndex="MyImage" editable="true"
imageSize="medium">
  <imageEditor inherits="http://Lectra.com/pdm/common#defaultImageField"
managerRef="productImageField">
  <managerInstance name="Lectra.PDM.Mgrs.imageFieldMgr" />
  </imageEditor>
  </column>
</colModel>
<store xsi:type="lpfgroupingstore" inherits="skuSearchResultsGrid_default/store">
  <dataField name=" MyField " />
  <dataField name=" PaymentTerm " />
  <dataField name="PersonToContact" />
  <dataField name=" MyImage " />
</store>
</explorereditablegrid>
</namespace>

```

Step 3: declare the translations :

On the server edit the file: **PLM-Fashion\PDM\LectraPLMParam\i18n\xls\custom\messagesCusto\_en.properties.xml**.

Copy/Paste the following content at the end of the file:

```

MyConfiguration =My Configuration
MyField =My Field
PaymentTerm =Payment Term
PersonToContact =Person To Contact
MyImage =My Image

```

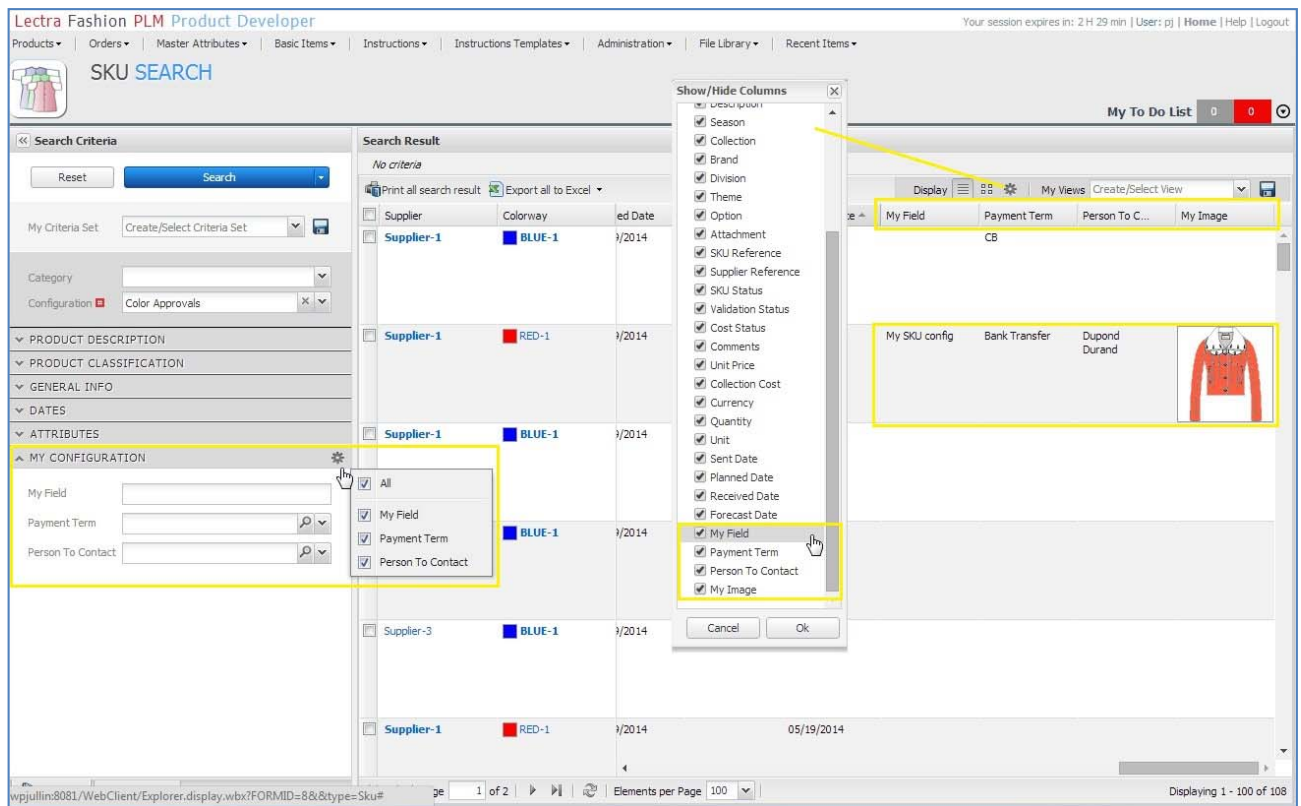
Save the file.

## 2.2 SKU global Search

### 2.2.1 Case

Configure the global search SKU menu to be able to search on the [custom fields](#) and the [custom roles](#) that you have declared in the PLM Manager.

**PLM Illustration SKU Global Search:** Here we see the search criteria My Field, Payment Term, Person To Contact and in the result the columns: My Image, My Field, Payment Term, Person To Contact. Configurators are also impacted.



### 2.2.2 Configuration

#### PLM Manager Steps

1. Prerequisite: you have configured as above your [customFields](#) and [CutomRoles](#) in the menu Data Configuration->Extend Data Model.
2. Import your Search Criteria on MyField, PaymentTerm and PersonToContact :
  - Create a new .xls file, and paste (in A1 cell) the table below



Entity Type	Entity Configuration	Field Name	Field Path	Field Type	Field Type Configuration	Field
productman	ColorApproval	PaymentTerm	customRoles.PaymentTerm	core.Property	process/PaymentTerm	false
productman	ColorApproval	MyField	customFields.MyField	core.customdefinitions.StringDef		
productman	ColorApproval	PersonToContact	customRoles.PersonToContact	core.Property	process/PersonToContact	true

- In PLM Manager, select Data Configuration / Define Search Criteria
- Select SKU/SKU\_ColorApproval item and click on Import
- Search and import .xls created file

### **Configure the Screens SKU Form and SKU Grid in the product**

To be able to use the Custom Field and Custom Roles as Search Criteria and in the result Skus grid, on your PLM server, open and edit the file **Lectra.PDM.Search.SKU.xml** under **LectraPLMParam\namespaces\custom** and add the following XML code:

Step1: declare Search criteria in the bloc SKUGeneralInfo

Open the Panel on SKU **ColorApproval**, declare the panel **MyConfiguration** with custom fields and custom roles:

```
<panel name="criteria_ColorApproval">
  <panel region="north" name="ConfigInstance" inherits="Configuration" />
  <panel region="center" name="accordionInstance" inherits="accordionPanel">

    <panel titleI18n="MyConfiguration" name="MyConfiguration" collapsible="true"
      layout="form">
      <defaults anchor="100%" />

      <textfield name="MyField.values" fieldLabelI18n=" MyField " value=""
        chkVisible="true" />
      <nodecombo fieldLabelI18n=" PaymentTerm " propertyFamily="process"
        propertyName="PaymentTerm" hiddenName="PaymentTerm.values" chkVisible="false"
        multiSelect="false" />
      <nodecombo fieldLabelI18n=" PersonToContact " propertyFamily="process"
        propertyName="PersonToContact" hiddenName="PersonToContact.values"
        chkVisible="false" multiSelect="true" />
      <!-- change to multiSelect to true for a multiple role -->

    </panel>
  </panel>
</panel>
```

Step2: declare the columns in the SKU grid of General Search

Open the **explorereditblegrid** of the **ColorApproval** SKU:

```
<explorereditblegrid name="resultGrid_ColorApproval" inherits="resultGrid">
```

Open the **colModel** (columns) of the **ColorApproval** SKU and declare the custom fields as columns :

```
<colModel inherits="resultGrid/colModel">
  <column xsi:type="textcolumn" headerI18n=" MyField " dataIndex="MyField"
    sortIndex="customFields.MyField" editable="true" />
  <column xsi:type="nodecolumn" headerI18n=" PaymentTerm " dataIndex="PaymentTerm"
    sortIndex="customRoles.PaymentTerm.name" editable="true" propertyName="PaymentTerm"
    propertyFamily="process" />
  <column xsi:type="nodecolumn" headerI18n=" PersonToContact " dataIndex="PersonToContact"
    editable="true" propertyName="PersonToContact" propertyFamily="process"
    multiSelect="true" />
  <column xsi:type="imagecolumn" headerI18n=" MyImage " dataIndex="MyImage" editable="true"
    locked="false" imageSize="medium">
    <imageEditor inherits="http://Lectra.com/pdm/common#defaultImageField"
      managerRef="productImageField">
      <managerInstance name="Lectra.PDM.Mgrs.imageFieldMgr" />
    </imageEditor>
  </column>
</colModel>
```

*The string custom field **MyField** is sortable.*

*The **non multiselect** list custom role **PaymentTerm** is sortable.*


*The **multiselect** list custom role **PersonToContact** is **not** sortable.*

Declare all the dataIndexes of custom fields and the custom roles:

```
<store xsi:type="Lpfdirectstore" inherits="resultGrid/store">
  <dataField name="MyField" />
  <dataField name="PaymentTerm" />
  <dataField name="PersonToContact" />
  <dataField name="MyImage" />
</store>
```

Close the SKU **ColorApproval** explorereditableGrid

```
</explorereditablegrid>
```

 Note: to declare the Columns below My Image, My Field, Payment Term, Person To Contact, the grammar is exactly the same as in Step2 of the §2.1 but the columns are not declared in the same file

Here is the view of the consolidate xml **Lectra.PDM.Search.SKU.xml** under **LectraPLMParam\namespaces\custom**:

```
<namespace uri="http://Lectra.com/pdm/search/sku/custom" prefix="searchsku"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:common="http://Lectra.com/pdm/common">

<panel name="criteria_ColorApproval">
  <panel region="north" name="ConfigInstance" inherits="Configuration" />
  <panel region="center" name="accordionInstance" inherits="accordionPanel">

    <panel titleI18n=" MyConfiguration " name="MyConfiguration" collapsible="true"
      layout="form">
      <defaults anchor="100%" />
      <textfield name="MyField.values" fieldLabelI18n="MyField" value=""
        chkVisible="true" />
      <nodecombo fieldLabelI18n=" PaymentTerm " propertyFamily="process"
        propertyName="PaymentTerm" hiddenName="PaymentTerm.values" chkVisible="false"
        multiSelect="false" />
      <nodecombo fieldLabelI18n=" PersonToContact " propertyFamily="process"
        propertyName="PersonToContact" hiddenName="PersonToContact.values"
        chkVisible="false" multiSelect="true" />
      <!-- change to multiSelect to true for a multiple role -->
    </panel>

  </panel>
</panel>

<explorereditablegrid name="resultGrid_ColorApproval" inherits="resultGrid">
<colModel inherits="resultGrid/colModel">
  <column xsi:type="textcolumn" headerI18n=" MyField " dataIndex="MyField" sortIndex=
    "customFields.MyField" editable="true" />
  <column xsi:type="nodecolumn" headerI18n=" PaymentTerm " dataIndex="PaymentTerm"
    sortIndex="customRoles.PaymentTerm.name" editable="true" propertyName="PaymentTerm"
    propertyFamily="process" />
  <column xsi:type="nodecolumn" headerI18n=" PersonToContact " dataIndex="PersonToContact"
    editable="true" propertyName="PersonToContact" propertyFamily="process"
    multiSelect="true" />
  <column xsi:type="imagecolumn" headerI18n=" MyImage " dataIndex="MyImage" editable="true"
    locked="false" imageSize="medium">
    <imageEditor inherits="http://Lectra.com/pdm/common#defaultImageField"
      managerRef="productImageField">
      <managerInstance name="Lectra.PDM.Mgrs.imageFieldMgr" />
    </imageEditor>
```

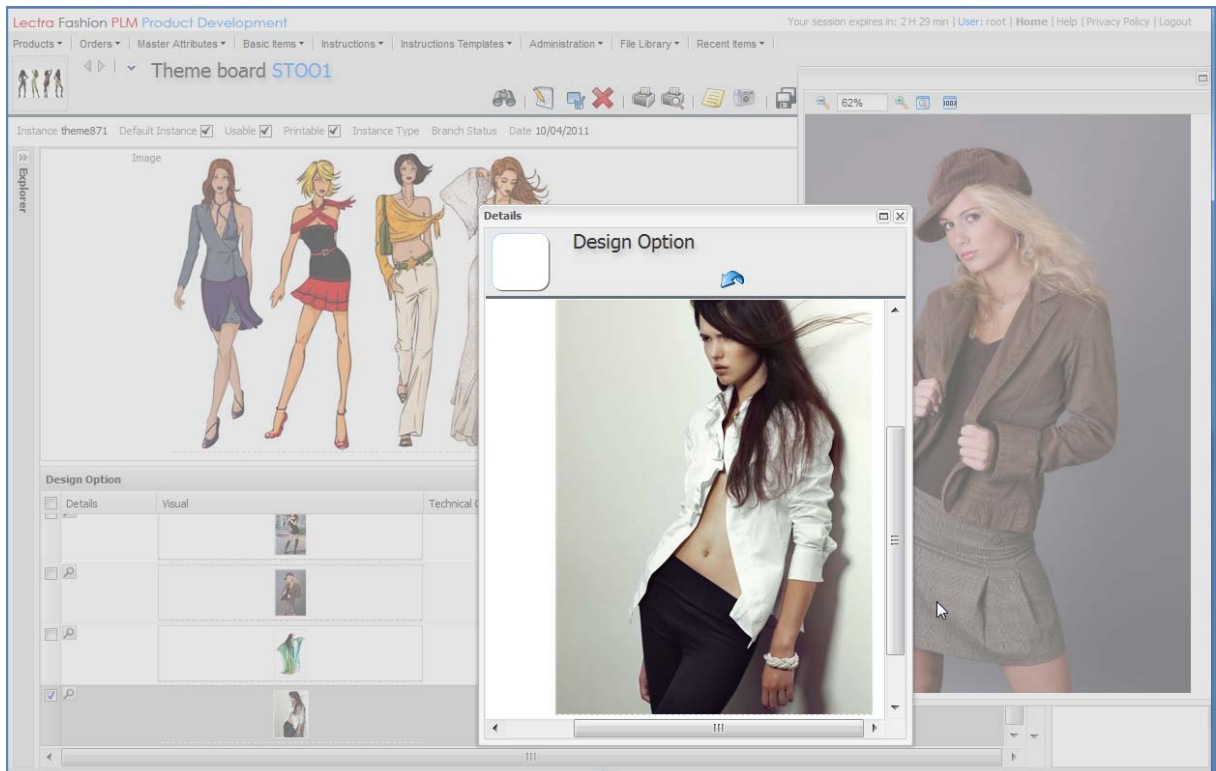
```
    </column>  
</colModel>  
  
<store xsi:type="Lpfdirectstore" inherits="resultGrid/store">  
  <dataField name="MyField" />  
  <dataField name="PaymentTerm" />  
  <dataField name="PersonToContact" />  
  <dataField name="MyImage" />  
</store>  
  
</explorereditblegrid>  
  
</namespace>
```

### 3. SPEC PACKAGE

#### 3.1 Instruction Custom Spec package - New Configuration

##### 3.1.1 Case

Configure a new spec package named "Theme Board" for Style Category. The specification item is an instruction named "Design Option".



##### 3.1.2 Configuration

###### 3.1.2.1 Design Options Instruction:

###### PLM Manager Steps

1. Menu: Data Configuration->Extend Data Model.
2. Branch Instruction: create a configuration named "Design Option".

###### Screens

To be able use Designs Option instructions Explorer: on your PLM server, open explorer-specitem.xml under LectraPLMParam/ screens and add the following XML code.

```
<screen name="Explorer_DesignOption" extends="Explorer_SpecItem" extendsMode="Lazy">
  <parameter name="type" value="DesignOption" />
  <parameter name="tableTitle" value="model.DesingOption" />

  <group name="generalGroup">
    <combobox name="group"
      controller="{class:com.Lectra.lpf.uimodel.controller.LPFWebUIController,
        params:{lpfExtPath:'http://Lectra.com/pdm/search/specitem#Embellichment.group'},
```



```
withValues: true}}" />
  </group>
</screen>
```

### 3.1.2.2 Theme Board Spec Package

#### PLM Manager Steps

1. Menu: Data Configuration->Extend Data Model.
2. Branch Style->specifications: create a specification named "Theme Board".

#### Screens

On your PLM server, open **ScreensCusto.xml** under **LectraPLMParam** and add the following XML code.

```
<screen name="ProductSpecInstance.PlancheTheme" extends="ProductSpecInstance">
  <block name="description" columns="2">
    <field name="defaultSPIImageField" />
  </block>
  <table name="links" customizable="true" title="model.DesignOption"
    thumbView="true"
    thumbField="component.defaultImageField.file.imageSet.mediumImage"
    thumbDescription="component.description"
    thumbTitles="component.codeAlpha1, component.codeAlpha2" sortable="true">
    <column name="LinePosition" displayed="false" editable="false" />
    <column name="component.defaultImageField" editable="false" />
    <column name="component.defaultImageField.file.imageSet.mediumImage"
      displayed="false" editable="false" />
    <column name="component.codeAlpha1" editable="false" />
    <column name="component.codeAlpha2" editable="false" />
    <column name="component.description" editable="false" minwidth="150" />
    <column name="component.comment" editable="false" minwidth="150" />
    <column name="comment" editable="true" minwidth="150" />
  </table>
</screen>
```

To be able to pick a Design Option in Theme spec package: on your PLM server, open **explorer-specitem.xml** under **LectraPLMParam/** screens and add the following XML code.

```
<screen name="Explorer_DesignOption_Picker" extends="Explorer_DesignOption"
  extendsMode="Lazy">
  <toolbar name="explorerToolBar" extends="pickerToolBar"
    extendsMode="copy" />
</screen>
```

To be able to set default attachment image in the form, add

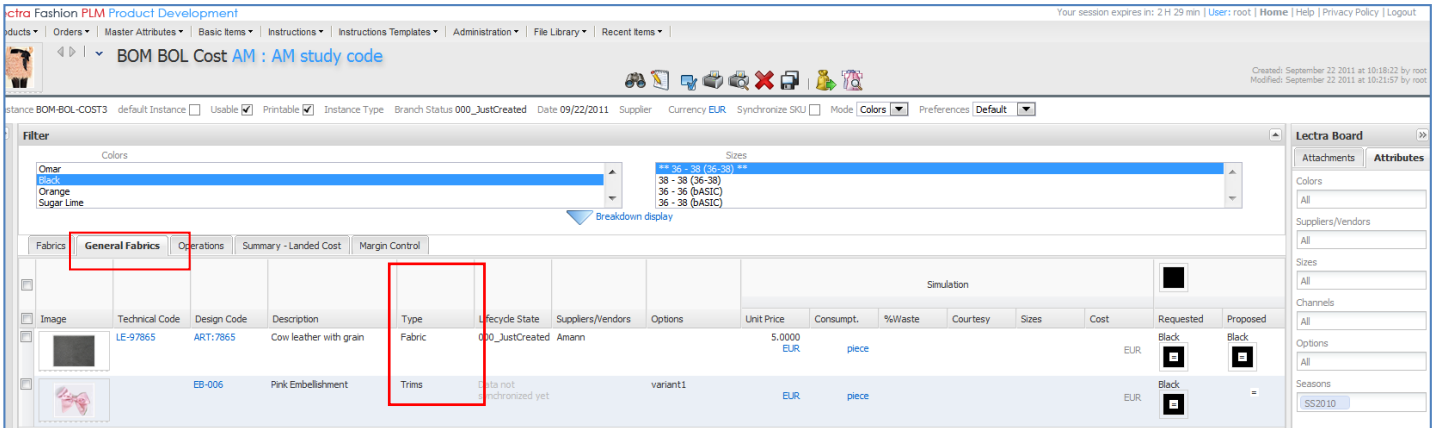
```
<block name="description" columns="2">
  <field name="defaultSPIImageField" />
</block>
```

## 4. BOM BOL COST

No change with the V3R3 customization.

### 4.1.1 Case

Configure a new BOM Table named GeneralFabrics for Style Category to use Trims and Fabrics components in the same table.



The screenshot shows the 'BOM BOL Cost' configuration screen. The 'GeneralFabrics' table is selected in the 'Fabrics' tab. The table has columns for 'Image', 'Technical Code', 'Design Code', 'Description', 'Type', 'Recycle State', 'Suppliers/Vendors', 'Options', 'Unit Price', 'Consumpt.', '%Waste', 'Courtesy', 'Sizes', 'Cost', 'Requested', and 'Proposed'. The 'Type' column is highlighted in red, showing 'Fabric' and 'Trims' components. The 'Requested' and 'Proposed' columns show 'Black' and 'Black' respectively.

### 4.1.2 Configuration

#### PLM Manager Steps

1. Menu: Data Configuration->Extend Data Model.
2. Branch Style/Style/specifications/Style - CostingNG:
  - a. Add a Table named: GeneralFabrics.
  - b. Choose the categories: Fabric and Trims.
  - c. Select Save button
  - d. Select Apply button

#### Configure the screens to declare the new spectable

On your PLM server, open **ScreensCusto.xml** under **PDM\LectraPLMParam** and add inside `<screens>` xml tag the following XML code:

```

<!-- GeneralFabrics Bom Table -->
<screen name="specPackages.ProductAdvancedCostingInstance.Style"
extends="specPackages.ProductAdvancedCostingInstance" >
  <block name="costingContainer" >
    <tabs name="costingTabs">
      <!-- Declare your new spectable name GeneralFabrics -->
      <tab name="GeneralFabricsTab" i18nKey="GeneralFabrics"
associatedDtoName="costBOMSpLinks" autoLoad="true" lockable="true"
lockAction="Lectra.PDM.SpecPackage.Costing.tableLock" autoHeight="true">
        <table name="GeneralFabrics">
          sortable="true"
          customizable="true"
          scrollable="true"
          collapsible="true"
          lockColumn="true"
          displayBbar="true"
        </table>
      </tab>
    </tabs>
  </block>
</screen>

```

```

maxHeightForFixedCols="380"
defaultFixedColumnsNumber="3"
displayActionsLabels="false"
thumbView="true"
thumbField="componentProduct.multiMediaBoard.default.fileLink.file.imageSet.mediumImage"
thumbDescription="componentProduct.codeAlpha1"
enableColId="false"
displayTitle="false"
xtype="Lectra.PDM.Quirks.BreakdownGridPanel">
  <column name="LinePosition" displayed="false" editable="false" sortableBy="LinePosition"
showable="false" />
  <column editable="false" name="componentProduct.defaultImageField" minWidth="90"/>
  <column editable="false"
name="componentProduct.multiMediaBoard.default.fileLink.file.imageSet.mediumImage" displayed="false"/>
<!-- only for thumb mode -->

  <column editableIf="componentProduct.Local" editable="false"
name="componentProduct.codeAlpha1" minWidth="90" autoComplete="true" canCreate="false"
displayKey="codeAlpha1" differentialKeys="codeAlpha2" pick="false"/>
  <column editableIf="componentProduct.Local" editable="false"
name="componentProduct.codeAlpha2" minWidth="90" autoComplete="true" canCreate="false"
displayKey="codeAlpha2" differentialKeys="codeAlpha1" pick="false"/>
  <column editableIf="componentProduct.Local" editable="false"
name="componentProduct.description" minWidth="150"/>

  <column editable="false" name="componentProduct.categoryName" minWidth="90"/>
  <column editable="false" name="componentProduct.productStatus" minWidth="90"/>
  <column editable="true" name="classification" minWidth="90"/>
  <column editable="true" name="position" minWidth="90"/>
  <column editable="true" name="role" minWidth="90"/>
  <column editable="true" name="comment" minWidth="150"/>
  <column name="colorInvariant" editable="true" minWidth="90"/>
  <column name="purchaseUnit" editable="false" minWidth="110"/>
  <column name="buyingUnit" editable="false" minWidth="110"/>
  <column name="defaultPurchasePrice" editable="false" minWidth="110"/>

  <column name="suppliers" editable="true" minWidth="110"/>
  <column name="options" editable="true" minWidth="110"/>
  <column
  editable="true" name="simulation" displayed="true" sortable="false">
    <column name="BOMUnitPrice" editable="true" sortable="false" minWidth="80"/>
    <column name="consumption" editable="true" sortable="false" minWidth="80"/>
    <column name="wastage" editable="true" sortable="false" minWidth="80"/>
    <column name="courtesy" editable="true" sortable="false" minWidth="80"/>
    <column name="size" editable="true" sortable="false" minWidth="80"/>
    <column name="simulationBOMCost" editable="true" sortable="false" minWidth="80"/>
  </column>
  <column
  editable="true" name="breakdownColor" displayed="false" sortable="false">
    <column editable="true" name="requestedColor" minWidth="80"/>
    <!-- can not use displayed="false" for componentAv : delete the line -->
    <column editable="true" name="componentAv" minWidth="80"/>
    <column editable="true" name="comment" minWidth="80"/>
    <column editable="false" name="unitCost" minWidth="80"/>
    <column editable="true" name="negociatedCost" minWidth="80"/>
    <column editable="false" name="costBOM" minWidth="80"/>
  </column>
  <column
  editable="true" name="breakdownNOColor" displayed="false" sortable="false">
    <column editable="true" name="requestedColor" minWidth="80"/>
    <!-- can not use displayed="false" for componentAv : delete the line -->
    <column editable="true" name="componentAv" minWidth="80"/>
  </column>
  <column
  editable="true" name="breakdownSize" displayed="false" sortable="false">
    <!-- can not use displayed="false" for componentAv : delete the line -->
    <column editable="true" name="componentAv" minWidth="80"/>
    <column editableIf="componentProduct.Local" editable="false" name="proposedSizeUnit"
minwidth="80"/>
    <column editable="true" name="consumptionBOM" minWidth="80"/>
    <column editable="false" name="unitCost" minWidth="80"/>
    <column editable="true" name="negociatedCost" minWidth="80"/>
    <column editable="false" name="costBOM" minWidth="80"/>
  </column>
  <column
  editable="true" name="breakdownNOSize" displayed="false" sortable="false">
    <!-- can not use displayed="false" for componentAv : delete the line -->

```

```

        <column editable="true" name="componentAv" minwidth="80"/>
        <column editableIf="componentProduct.Local" editable="false" name="proposedSizeUnit"
minwidth="80"/>
        <column editable="true" name="consumptionBOM" minwidth="80"/>
    </column>
</table>
</tab>
</tabs>
</block>
</screen>
<!-- End GeneralFabrics Bom Table -->

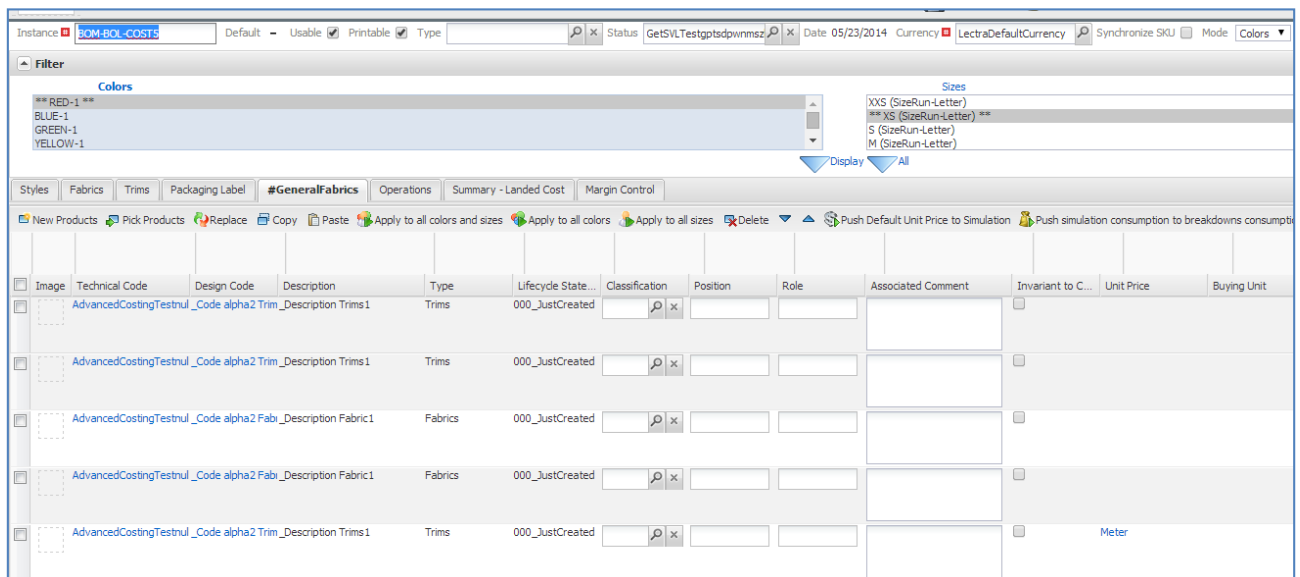
```

**Some observations:**

- The Columns of GeneralFabrics tab are a merge of Trims and Fabrics columns.
- Columns no editable (editable="false") could be removed from the GeneralFabrics tab, permitting to reduce the set of columns in this tab.

**Next steps:**

- restart the PLM.
- After login, reload the PLM configuration  
`<host>/pdm/admin.SessionMonitor.reloadConfig.wbx`
- Create a BOM BOL COST.
- Pick Products (Trims and Fabrics)
- You must obtain a screen like the following :



For more information on BOM BOL COST customization, you can consult the document `Lectra_Fashion_PLM_V4R1_Configuration_Exercises.pptx` (page 29).

## 5. CALENDAR

### 5.1 Steps

#### 5.1.1 How customize steps in Time & Actions?

##### 5.1.1.1 How to add a custom field "Task Type" applied to tasks and use it in Time & Actions?

#### PLM Manager Steps

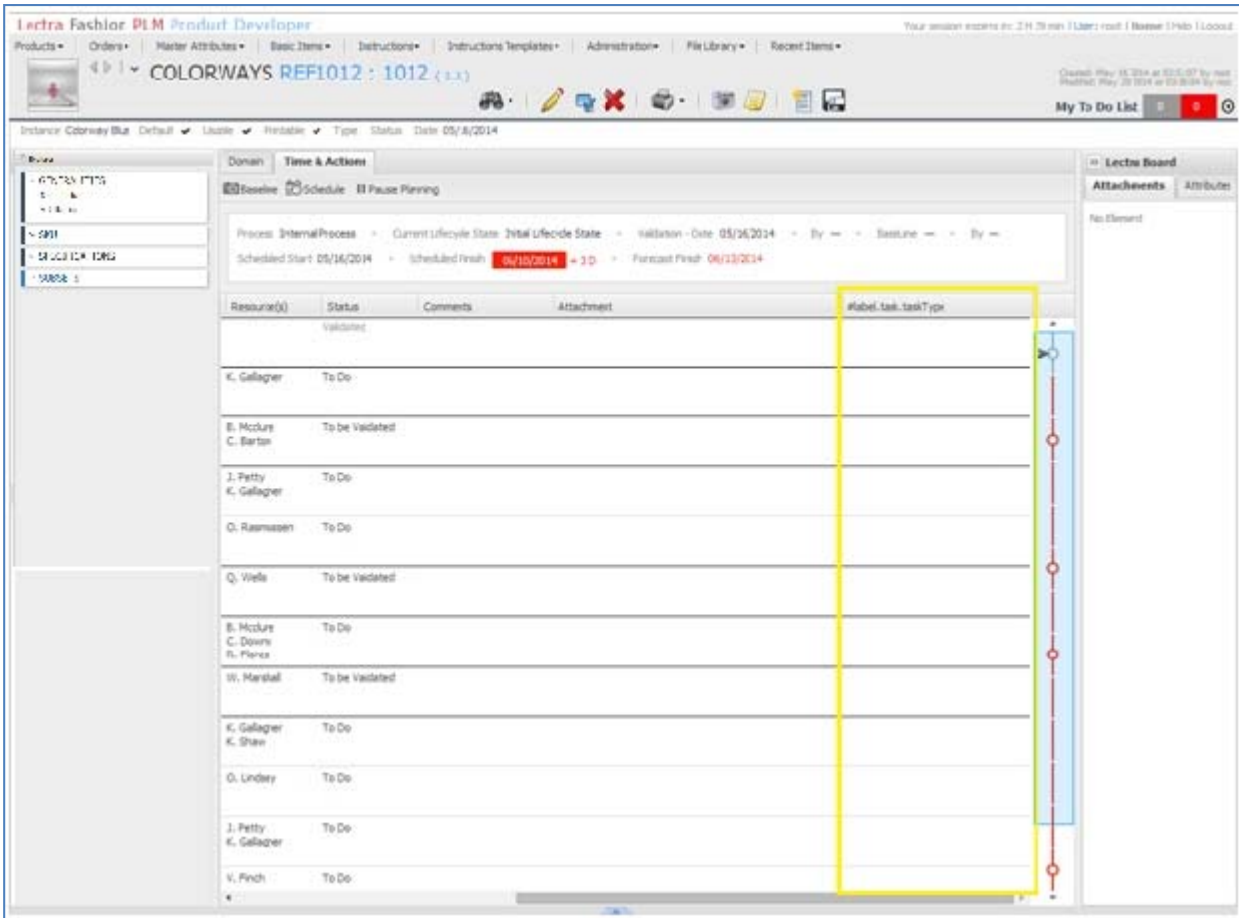
1. Go to Data Configuration - Extend Data Model
2. Extend Calendar Management item
3. Right click on Task - Add custom field
4. Add field named **taskType** as String field

#### Screen custo

On file `namespaces/custom/Lectra.PDM.TimeAndAction.xml`, between `<namespace>` tags, add the following XML code:

```
<pdmbasicgrid name="planningGrid_custom" inherits="planningGrid_default">
  <colModel inherits="planningGrid_default/colModel">
    <column xsi:type="textcolumn" dataIndex="taskType" editable="true"
      headerI18n="label.task.taskType" sortable="true" />
  </colModel>
  <store xsi:type="lpfdirectstore" inherits="planningGrid_default/store">
    <dataField name="taskType" />
  </store>
</pdmbasicgrid>
```

## Screen Result



### 5.1.1.2 How to add a new field "Deliverable document" to Lifecycle States?

#### PLM Manager

1. Go to Data Configuration - Extend Data Model
2. Extend Calendar Management item
3. Right click on LifeCycleState - Add custom role
4. Add a field named **deliverableDoc** as Document target field

#### Screen custo

On file [namespaces/custom/Lectra.PDM.TimeAndAction.xml](#), to add new column Deliverable document, update XML with adding a new column and a new dataField:

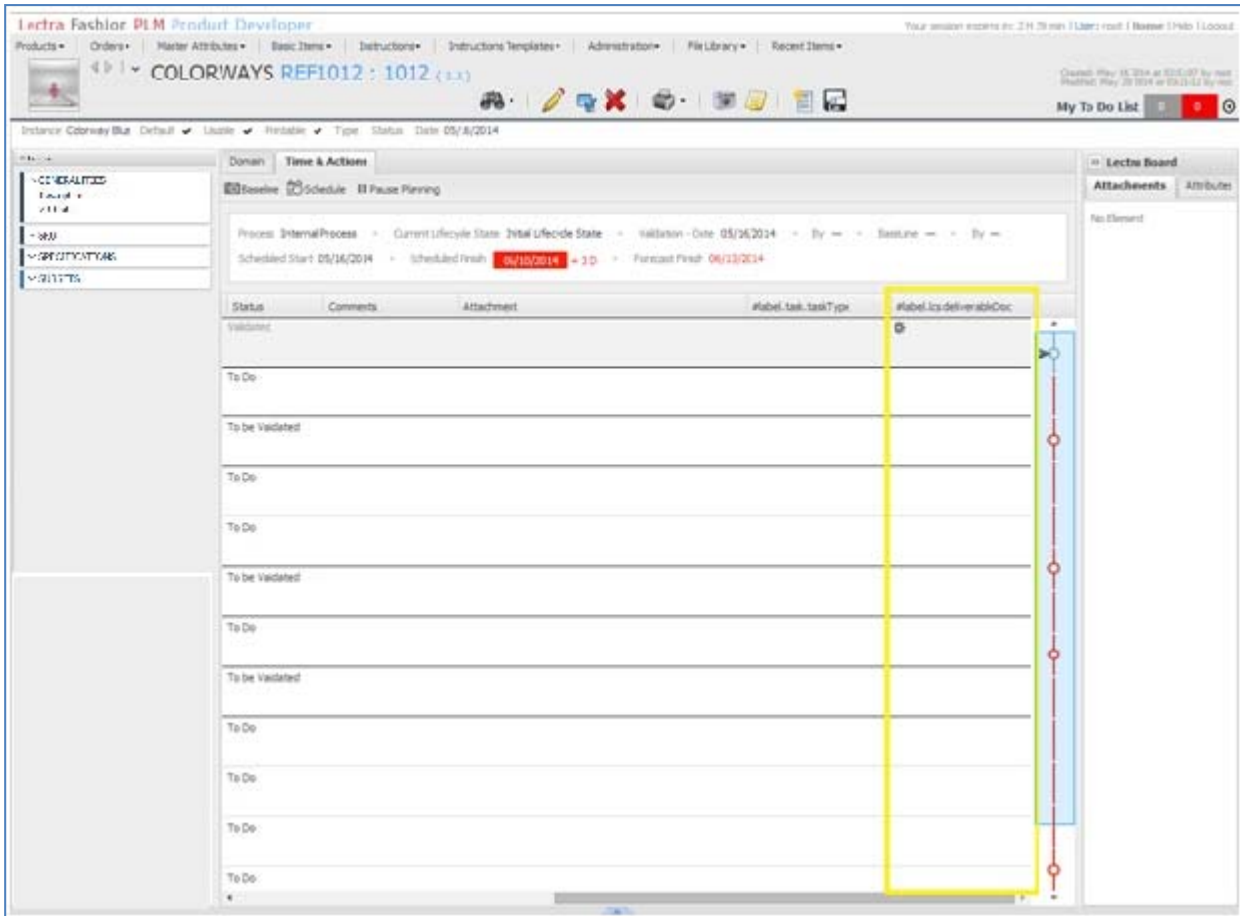
```
<pdmbasicgrid name="planningGrid_custom" inherits="planningGrid_default">
  <colModel inherits="planningGrid_default/colModel">
    <column xsi:type="textcolumn" dataIndex="taskType" editable="true"
      headerI18n="label.task.taskType" sortable="true" />
    <column xsi:type="imagecolumn" headerI18n="label.lcs.deliverableDoc"
      dataIndex="deliverableDoc" editable="true" hideThumbnail="true"
      showLabel="true" cls="pdm-planning-step-skipped-ignore">
      <imageEditor inherits="http://lectra.com/pdm/common#defaultImageField"
        managerRef="mediumImageField">
        <managerInstance name="Lectra.PDM.Mgrs.imageFieldMgr"/>
      </imageEditor>
    </column>
  </colModel>
</pdmbasicgrid>
```

```

</column>
</colModel>
<store xsi:type="lpfdirectstore" inherits="planningGrid_default/store">
<dataField name="taskType" />
<dataField name="deliverableDoc" />
</store>
</pdmbasicgrid>

```

**Screen Result**



### 5.1.1.3 How to add a new field "Time Spent" to both Lifecycle States and tasks?

#### PLM Manager

1. Go to Data Configuration - Extend Data Model
2. Extend Calendar Management item
3. Right click on LifeCycleState - Add custom field
4. Add field named **timeSpent** as Integer field
5. Right click on Tasks - Add custom field
6. Add field named **timeSpent** as Integer field

#### Screen custo

On file `namespaces/custom/Lectra.PDM.TimeAndAction.xml`, between `colModel` tags, below previous columns added, add the following XML code:

```
<column xsi:type="numbercolumn" sortable="true" dataIndex="timeSpent" format="0"
  headerI18n="label.step.timeSpent" editable="true">
  <editorField xsi:type="spinnerfield" allowDecimals="false" />
</column>
```

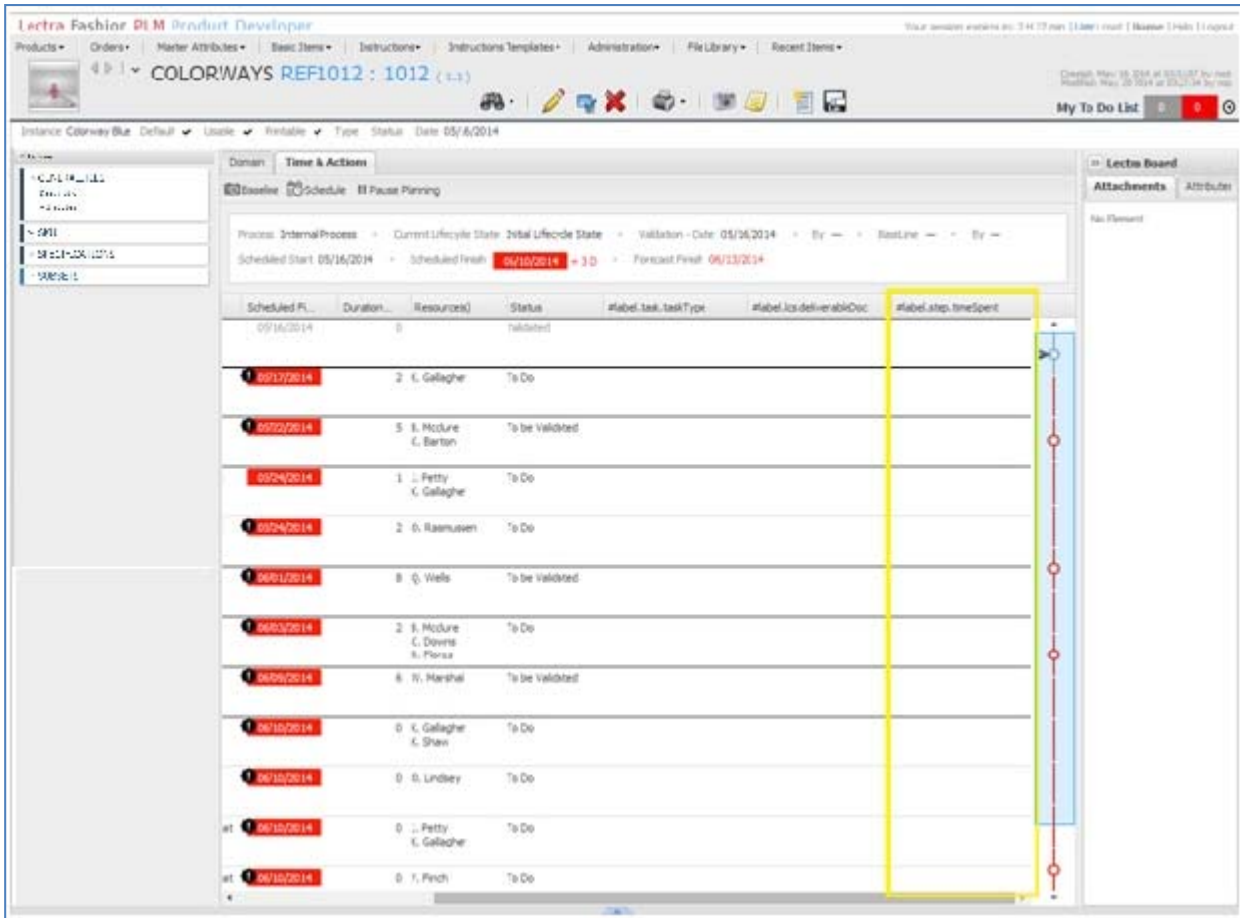
NB: `<editorField>` tag is optional, it changes field into spinner field and prohibits decimals.

And between store tags, below previous column added, add the following XML code :

```
<dataField name="timeSpent" />
```



**Screen Result**



The screenshot displays the 'Lectra Fashion PLM Product Developer' interface. The main window shows a task list for 'COLORWAYS REF1012 : 1012'. The interface includes a navigation menu on the left, a top toolbar with various icons, and a main content area with a table of tasks. A yellow box highlights the '#label.step.timespent' column in the table.

Scheduled Pl.	Duration	Resources	Status	#label.task.taskType	#label.task.deliverableDoc	#label.step.timespent
09/16/2014	0		Hidden			
09/17/2014	2	K. Gallagher	To Do			
09/22/2014	5	S. McClure C. Barton	To be Validated			
09/24/2014	1	J. Petty K. Gallagher	To Do			
09/24/2014	2	D. Rasmussen	To Do			
09/31/2014	0	G. Wells	To be Validated			
09/30/2014	2	S. McClure C. Downs R. Ponsa	To Do			
09/09/2014	6	W. Marshal	To be Validated			
09/10/2014	0	K. Gallagher C. Shaw	To Do			
09/10/2014	0	D. Lindsey	To Do			
09/10/2014	0	J. Petty K. Gallagher	To Do			
09/10/2014	0	T. Finch	To Do			

## 5.1.2 How to implement this customization to the Subset Explorer?

### 5.1.2.1 In subset explorer, with Calendar configuration, how to display new custom fields on tasks?

#### Screen custo

On file `namespaces/custom/Lectra.PDM.Search.Assortment.xml`, between namespace tags, add the following XML code

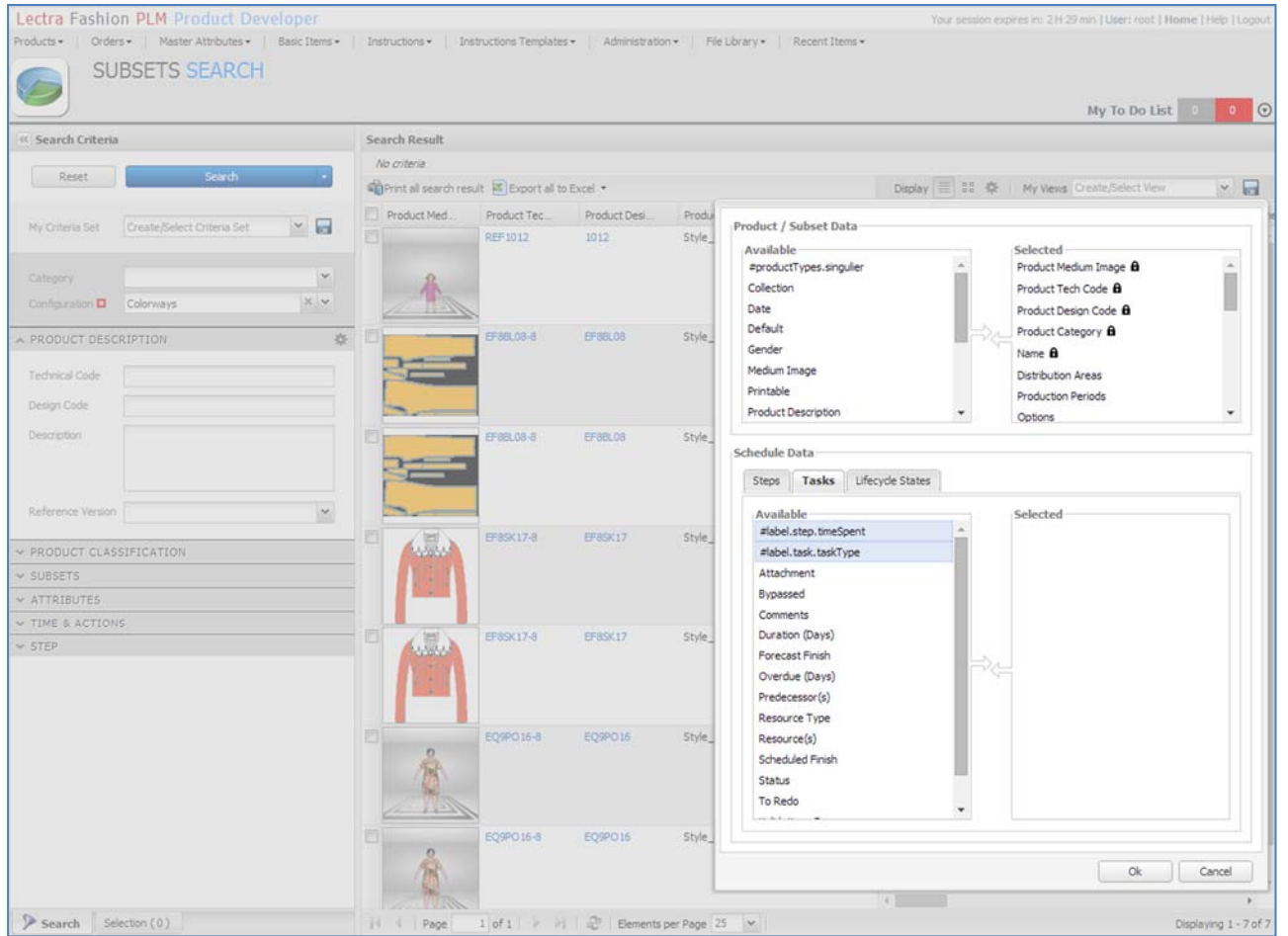
```
<explorereditblegrid name="resultGrid_with_workflow_custo"
  inherits="resultGrid_with_workflow_default">
  <colModel inherits="resultGrid_with_workflow_default/colModel">
  </colModel>
  <store xsi:type="lpfdirectstore"
    inherits="resultGrid_with_workflow_default/store" >
    <dataField name="${#stepPath}.deliverableDoc" genStepField="deliverableDoc"
      arrayIndex="true" />
    <dataField name="${#stepPath}.timeSpent" genStepField="timeSpent"
      arrayIndex="true" />
  </store>
</explorereditblegrid>

<groupcolumn name="taskColumns_custo" inherits="taskColumns_default" >
  <column xsi:type="textcolumn" dataIndex="${#stepPath}.taskType"
    headerI18n="label.task.taskType" name="taskType" id="${#stepId}_taskType"
    width="100" editable="true" sortable="true" wfGroupable="true" />
  <column xsi:type="numbercolumn" sortable="true"
    dataIndex="${#stepPath}.timeSpent" format="0"
    headerI18n="label.step.timeSpent" editable="true" name="timeSpent"
    id="${#stepId}_timeSpent" wfGroupable="true" >
    <editorField xsi:type="spinnerfield" allowDecimals="false" />
  </column>
</groupcolumn>
```

**NB:** Make sure `<column>` tags have to be mutually identical in two custom files (`Lectra.PDM.Search.Assortment.xml` and `Lectra.PDM.TimeAndAction.xml`), except for some differences:

1. `<column>` tags have to include attributes in `Lectra.PDM.Search.Assortment.xml` (XXX is custom field name) :
  - `dataIndex="${#stepPath}.XXX"`
  - `name="XXX"`
  - `id="${#stepId}_XXX"`
  - `wfGroupable="true"`
2. `<dataField>` tags have to include attributes in `Lectra.PDM.Search.Assortment.xml` :
  - `genStepField = "XXX"`
  - `name="${#stepPath}.XXX"`
  - `arrayIndex="true"`

### Screen Result



The screenshot displays the 'SUBSETS SEARCH' interface in the Lectra Fashion PLM Product Developer. The main window shows search criteria on the left and search results in the center. A configuration dialog box is open on the right, titled 'Product / Subset Data' and 'Schedule Data'.

**Search Criteria:**

- Reset
- Search
- My Criteria Set: Create/Select Criteria Set
- Category: [Dropdown]
- Configuration: Colorways

**Search Result:**

Product Med...	Product Tec...	Product Desi...	Produ
	REF1012	1012	Style_
	EF88L08-8	EF88L08	Style_
	EF88L08-8	EF88L08	Style_
	EF88K17-8	EF88K17	Style_
	EF88K17-8	EF88K17	Style_
	EQ9PO16-8	EQ9PO16	Style_
	EQ9PO16-8	EQ9PO16	Style_

**Product / Subset Data Dialog:**

- Available:** #productTypes.singuler, Collection, Date, Default, Gender, Medium Image, Printable, Product Description
- Selected:** Product Medium Image, Product Tech Code, Product Design Code, Product Category, Name, Distribution Areas, Production Periods, Options

**Schedule Data Dialog:**

- Available:** #label.step.timeSpent, #label.task.taskType, Attachment, Bypassed, Comments, Duration (Days), Forecast Finish, Overdue (Days), Predecessor(s), Resource Type, Resource(s), Scheduled Finish, Status, To Redo
- Selected:** [Empty]

Navigation: Search Selection (0), Page 1 of 1, Elements per Page 25, Displaying 1 - 7 of 7

### 5.1.2.2 How to display new Lifecycle states custom fields too?

#### Screen custo

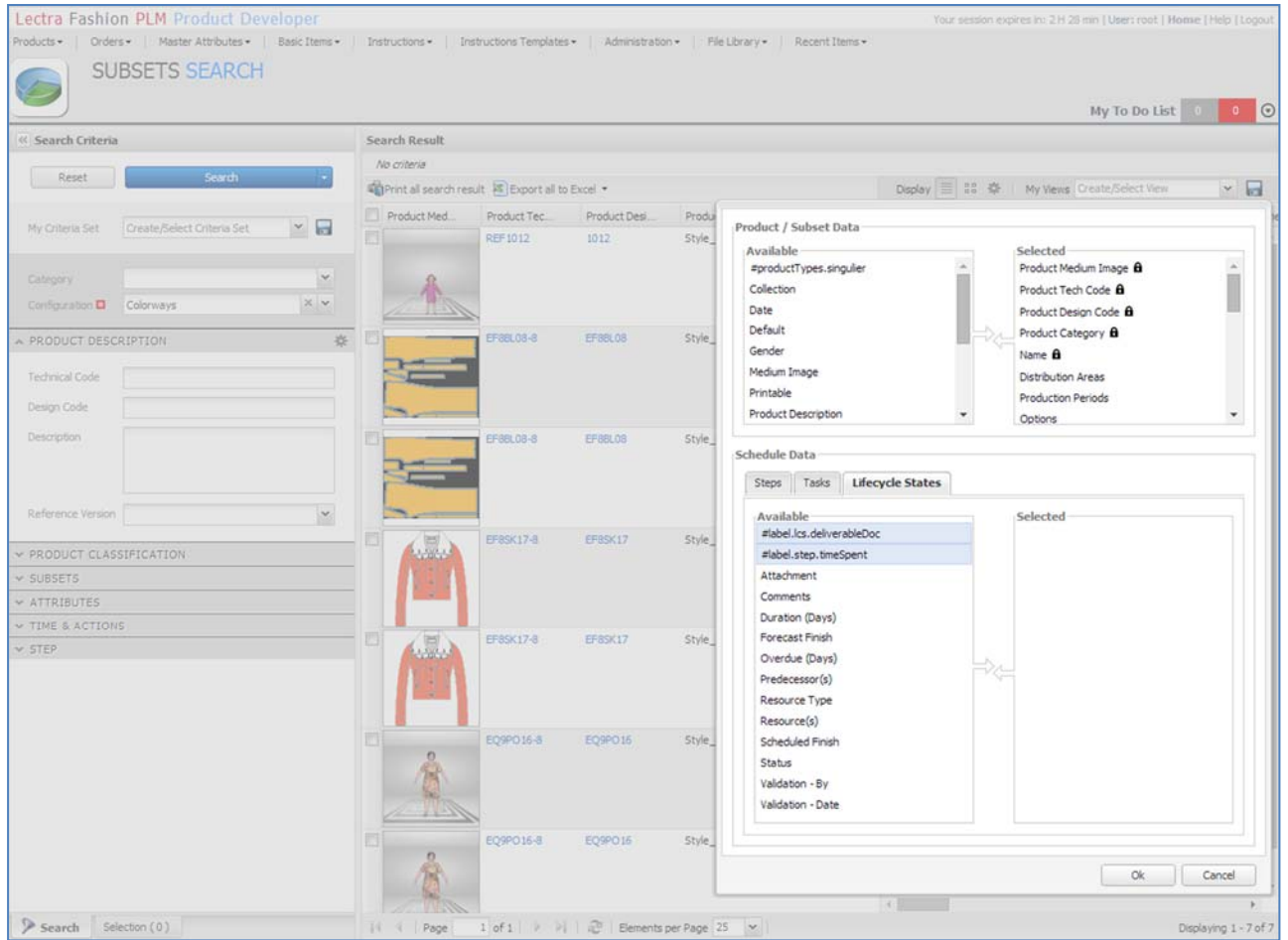
On file `namespaces/custom/Lectra.PDM.Search.Assortment.xml`, add the following XML code:

```
<groupcolumn name="lcsColumns_custo" inherits="lcsColumns_default" >
  <column xsi:type="imagecolumn" dataIndex="{#stepPath}.deliverableDoc"
    imageSize="medium" hideThumbnail="true" showLabel="true"
    headerI18n="label.lcs.deliverableDoc" name="deliverableDoc"
    id="{#stepId}_deliverableDoc" wfGroupable="true" editable="true">
    <imageEditor inherits="http://lectra.com/pdm/common#defaultImageField"
      managerRef="mediumImageField">
      <managerInstance name="Lectra.PDM.Mgrs.imageFieldMgr"/>
    </imageEditor>
  </column>
  <column xsi:type="numbercolumn" sortable="true"
    dataIndex="{#stepPath}.timeSpent" format="0"
    headerI18n="label.step.timeSpent" editable="true" name="timeSpent"
    id="{#stepId}_timeSpent" wfGroupable="true" >
    <editorField xsi:type="spinnerfield" allowDecimals="false" />
  </column>
</groupcolumn>
```








And between `explorereditablegrid` / `store tags`, below previous `dataField` added, add the following XML code:

```
<dataField name="{#stepPath}.taskType" genStepField="taskType" arrayIndex="true" />
```

**Screen result (columns configurator)**



The screenshot displays the 'SUBSETS SEARCH' interface in the Lectra Fashion PLM Product Developer. The main search results table is currently empty, showing 'No criteria' and 'Print all search result' / 'Export all to Excel' options. A configuration window titled 'Product / Subset Data' is open, showing two columns: 'Available' and 'Selected'. The 'Available' column contains various data points, and the 'Selected' column contains a subset of these. Below this, a 'Schedule Data' window is also visible, showing 'Lifecycle States' with 'Available' and 'Selected' columns.

Product Med...	Product Tec...	Product Desi...	Produ...
	REF1012	1012	Style_...
	EF88L08-8	EF88L08	Style_...
	EF88L08-8	EF88L08	Style_...
	EF85K17-8	EF85K17	Style_...
	EF85K17-8	EF85K17	Style_...
	EQ9PO16-8	EQ9PO16	Style_...
	EQ9PO16-8	EQ9PO16	Style_...

**Product / Subset Data**

Available	Selected
#productTypes.singular	Product Medium Image
Collection	Product Tech Code
Date	Product Design Code
Default	Product Category
Gender	Name
Medium Image	Distribution Areas
Printable	Production Periods
Product Description	Options

**Schedule Data**

Available	Selected
#label.lcs.deliverableDoc	
#label.step.timeSpent	
Attachment	
Comments	
Duration (Days)	
Forecast Finish	
Overdue (Days)	
Predecessor(s)	
Resource Type	
Resource(s)	
Scheduled Finish	
Status	
Validation - By	
Validation - Date	

### 5.1.2.3 Result display when steps expanded

Lectra Fashion PLM Product Developer Your session expires in: 2 H 29 min | User: root | Home | Help | Logout

Products ▾ | Orders ▾ | Master Attributes ▾ | Basic Items ▾ | Instructions ▾ | Instructions Templates ▾ | Administration ▾ | File Library ▾ | Recent Items ▾

**SUBSETS SEARCH** My To Do List 0 0

**Search Criteria**

Reset Search

My Criteria Set: Create/Select Criteria Set

Category:

Configuration: Colorways

**PRODUCT DESCRIPTION**

Technical Code:

Design Code:

Description:

Reference Version:

**PRODUCT CLASSIFICATION**

SUBSETS

ATTRIBUTES

TIME & ACTIONS

STEP

**Search Result**

No criteria

Print all search result Export all to Excel

Name	Initial Lifecycle State	#label.lcs.del...	#label.step.t...	Summary	#label.step.timeS...	#label.task.ta...
Colorway Blue	Validated on 05/16/2014			To Do before 05/17/2014 +3 DAYS		
SalesSubset_Inter net	Validated on 05/15/2014			To Do before 05/16/2014 +3 DAYS		
SalesSubset_Store	Validated on 06/02/2014			To Do before 06/03/2014		
SalesSubett_Inte rnet	Validated on 05/03/2014			To Do before 05/04/2014 +15 DAYS		
SalesSubset_Store	Validated on 08/12/2014			To Do before 08/13/2014		
SalesSubset_Inter net	Validated on 05/14/2014			To Do before 05/15/2014 +4 DAYS		
SalesSubset_Store	Validated on 08/12/2014			To Do before 08/13/2014		

Page 1 of 1 Elements per Page 25 Displaying 1 - 7 of 7

### 5.1.2.4 Update new custom fields values in Time&Action screen of first displayed subset

Lectra Fashion PLM Product Developer Your session expires in: 2 H 29 min | User: root | Home | Help | Logout

Products | Orders | Master Attributes | Basic Items | Instructions | Instructions Templates | Administration | File Library | Recent Items

Created: May 16 2014 at 03:51:07 by root  
Modified: May 20 2014 at 03:27:34 by root

**COLORWAYS REF1012 : 1012 (1.1)**

My To Do List 0 0

Instance: Colorway Blue | Default | Usable | Printable | Type | Status | Date: 05/16/2014

Domain: **Time & Actions**

Process: Internal Process | Current Lifecycle State: Initial Lifecycle State | Validation - Date: 05/16/2014 | By: | Baseline: | By: |

Scheduled Start: 05/16/2014 | Scheduled Finish: 06/10/2014 + 3 D | Forecast Finish: 06/13/2014

Source(s)	Status	Comments	Attachment	#label.task.taskType	#label.lcs.deliverableDoc	#label.step.timeSpent
	Validated				twoParameter.jxml	12
lagher	To Do			Design		20
June ton	To be Validated					
ty lagher	To Do					
smussen	To Do					
ils	To be Validated					
June rna res	To Do					
irshall	To be Validated					
lagher wv	To Do					
dsey	To Do					
ty lagher	To Do					
ch	To Do					

Lectra Board  
Attachments | Attributes  
Menu | Refresh  
No Element

### 5.1.2.5 Compare values in the subset explorer

Lectra Fashion PLM Product Developer Your session expires in: 2 H 29 min | User: root | Home | Help | Logout

Products ▾ Orders ▾ Master Attributes ▾ Basic Items ▾ Instructions ▾ Instructions Templates ▾ Administration ▾ File Library ▾ Recent Items ▾

**SUBSETS SEARCH** My To Do List 0 0

**Search Criteria**

Reset Search

My Criteria Set: Create/Select Criteria Set

Category:

Configuration: Colorways

**PRODUCT DESCRIPTION**

Technical Code:

Design Code:

Description:

Reference Version:

**PRODUCT CLASSIFICATION**

SUBSETS

ATTRIBUTES

TIME & ACTIONS

STEP

**Search Result**

No criteria

Print all search result Export all to Excel

Name	Initial Lifecycle State	#label.lcs.del...	#label.step.6...	Summary	#label.step.timeS...	#label.task.ta...
Colorway Blue	Validated on 05/16/2014	twoParameter.jxml	12	To Do before 05/17/2014 +3 DAYS	20	Design
SalesSubset_Inter net	Validated on 05/15/2014			To Do before 05/16/2014 +3 DAYS		
SalesSubset_Store	Validated on 06/02/2014			To Do before 06/03/2014		
SalesSubset_Inter net	Validated on 05/03/2014			To Do before 05/04/2014 +15 DAYS		
SalesSubset_Store	Validated on 08/12/2014			To Do before 08/13/2014		
SalesSubset_Inter net	Validated on 05/14/2014			To Do before 05/15/2014 +4 DAYS		
SalesSubset_Store	Validated on 08/12/2014			To Do before 08/13/2014		

Search Selection (0) Page 1 of 1 Elements per Page 25 Displaying 1 - 7 of 7



## 5.2 Planning

### 5.2.1 How to customize schedules in Time & Actions?

#### 5.2.1.1 How to add a custom long text field "Notes" applied to schedules in the Time & Actions, below standard schedule fields?

##### PLM Manager

3. Go to Data Configuration - Extend Data Model
4. Extend Calendar Management item
5. Right click on Schedule - Add custom field
6. Add field named **notes** as Long string field

##### Screen custo

On file [namespaces/custom/Lectra.PDM.TimeAndAction.xml](#), between *namespace* tags, add the following XML code

```
<fieldset name="fieldsetform_custom" inherits="fieldsetform_default">  
  <textarea name="notes" fieldLabelI18n="label.planning.notes"  
    dataIndex="notes"/>  
</fieldset>
```

#### 5.2.1.2 How to add a custom date field "Deadline" applied to planning in Time & Actions, beside standard planning dates?

##### PLM Manager

1. Go to Data Configuration - Extend Data Model
2. Extend Calendar Management item
3. Right click on Schedule - Add custom field
4. Add field named **deadlineDate** as Date field

##### Screen custo

On file [namespaces/custom/Lectra.PDM.TimeAndAction.xml](#), between *namespace* tags, add the following XML code

```
<fieldset name="fieldsetform_date_custom" inherits="fieldsetform_date_default" >  
  <datefield name="deadlineDate" fieldLabelI18n="label.planning.deadlineDate"  
    dataIndex="deadlineDate"/>  
</fieldset>
```

NB : fieldset named "fieldsetform\_custom" is used for first line of planning attributes (with Process, Current Lifecycle State etc.), while fieldset named "fieldsetform\_date\_custom" is used for second line of schedule attributes (with dates : Scheduled Start, Scheduled finish etc.)

## Screen Result

In edit mode:

Lectra Fashion PLM Product Developer Your session expires in: 2 H 25 min | User: root | Home | Help | Logout

Products | Orders | Master Attributes | Basic Items | Instructions | Instructions Templates | Administration | File Library | Recent Items Created: May 16 2014 at 03:51:07 by root  
Modified: May 22 2014 at 03:09:58 by root

**COLORWAYS REF1012 : 1012 (1.1)**

Instance: Colorway Blue | Default | Usable | Printable | Type | Status | Date: 05/16/2014

Domain: **Time & Actions**

Process: Internal Process | Current Lifecycle State: Initial Lifecycle State | Validation - Date: 05/16/2014 | By: #label.planning.notes | Notes for this planning

Scheduled Start: 05/16/2014 | Scheduled Finish: 06/10/2014 + 5 D | Forecast Finish: 06/15/2014 | #label.planning.deadlineDate: 07/02/2014

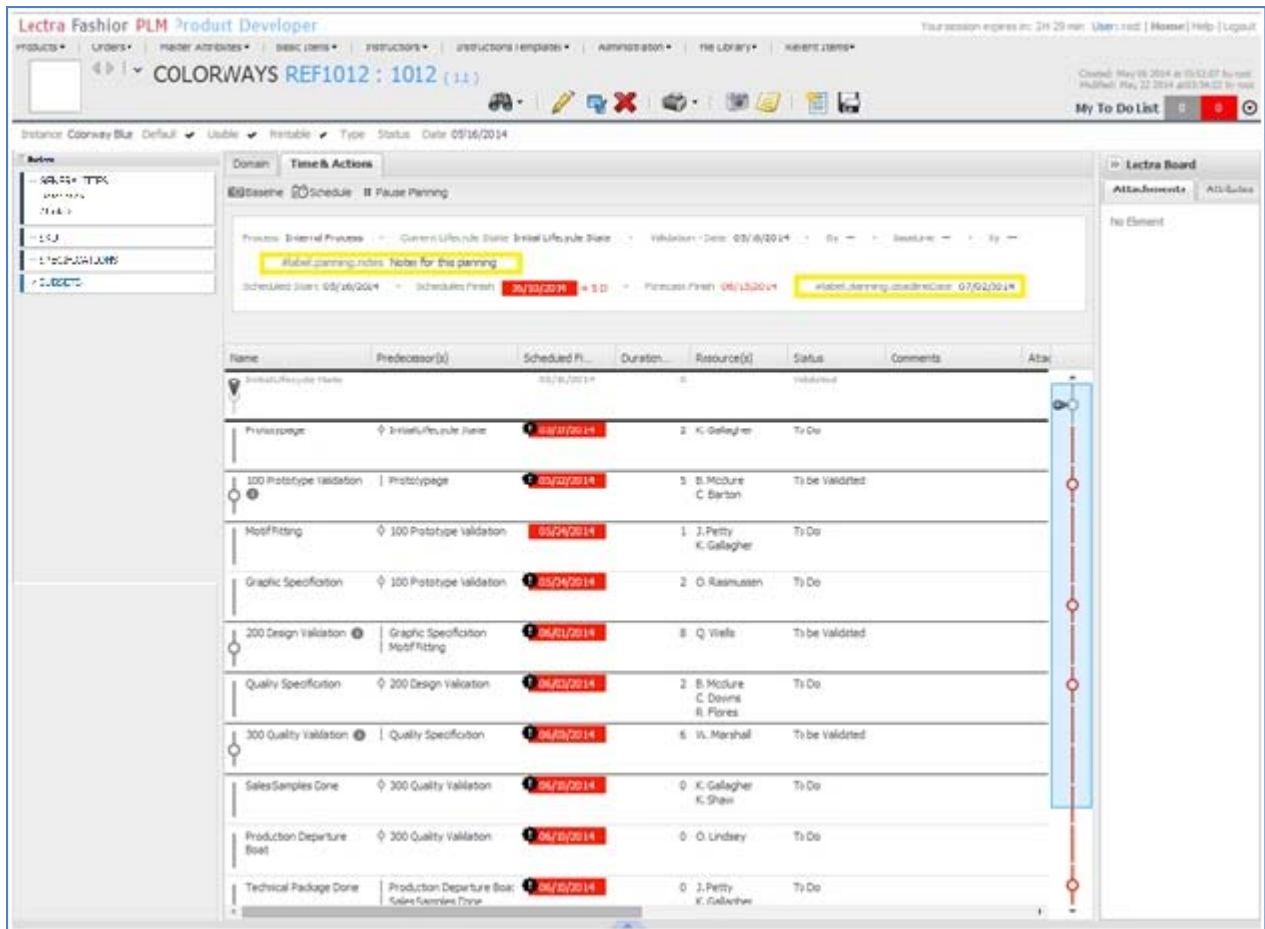
Name	Predecessor(s)	Scheduled Fin...	Duration...	Resource(s)	Status	Comme
Initial Lifecycle State		05/16/2014	0		Validated	
Prototypage	Initial Lifecycle State	05/17/2014	2	K. Gallagher	To Do	
100 Prototype Validation	Prototypage	05/22/2014	5	B. Mclure C. Barton	To be Validated	
Motf Fitting	100 Prototype Validation	05/24/2014	1	J. Petty K. Gallagher	To Do	
Graphic Specification	100 Prototype Validation	05/24/2014	2	O. Rasmussen	To Do	
200 Design Validation	Graphic Specification Motf Fitting	06/01/2014	8	Q. Wells	To be Validated	
Quality Specification	200 Design Validation	06/03/2014	2	B. Mclure C. Downs R. Flores	To Do	
300 Quality Validation	Quality Specification	06/09/2014	6	W. Marshall	To be Validated	
Sales Samples Done	300 Quality Validation	06/10/2014	0	K. Gallagher K. Shaw	To Do	
Production Departure Boat	300 Quality Validation	06/10/2014	0	O. Lindsey	To Do	
Technical Package Done	Production Departure Boat Sales Samples Done	06/10/2014	0	J. Petty K. Gallagher	To Do	

Calendar: July 2014

My To Do List: 0

Lectra Board: Attachments | Attributes | Menu | Refresh | No Element

In display mode, after save:



The screenshot displays the 'Lectra Fashion PLM Product Developer' interface. The main workspace shows a project schedule for 'COLORWAYS REF1012 : 1012'. The interface includes a navigation menu on the left, a top toolbar, and a main workspace with a Gantt chart and a task list table.

**Task List Table:**

Name	Predecessor(s)	Scheduled Pl...	Duration...	Resource(s)	Status	Comments	Att...
Initial/Life Cycle State		05/16/2014	0		Validated		
Photopage	Initial/Life Cycle State	05/17/2014	2	K. Gallagher	To Do		
100 Prototype Validation	Photopage	05/22/2014	5	B. McClure C. Barton	To be Validated		
Mod/Fitting	100 Prototype Validation	05/29/2014	1	J. Petty K. Gallagher	To Do		
Graphic Specification	100 Prototype Validation	05/29/2014	2	O. Raamussen	To Do		
200 Design Validation	Graphic Specification Mod/Fitting	06/01/2014	8	Q. Virells	To be Validated		
Quality Specification	200 Design Validation	06/03/2014	2	B. McClure C. Davine R. Flores	To Do		
300 Quality Validation	Quality Specification	06/03/2014	6	W. Marshall	To be Validated		
Sales Samples Core	300 Quality Validation	06/05/2014	0	K. Gallagher K. Shan	To Do		
Production Departure Book	300 Quality Validation	06/05/2014	0	O. Lindsey	To Do		
Technical Package Done	Production Departure Book Sales Samples Core	06/05/2014	0	J. Petty K. Gallagher	To Do		

### 5.2.1.3 How to find custom field "Notes" on Subset Explorer, whatever calendar configuration used?

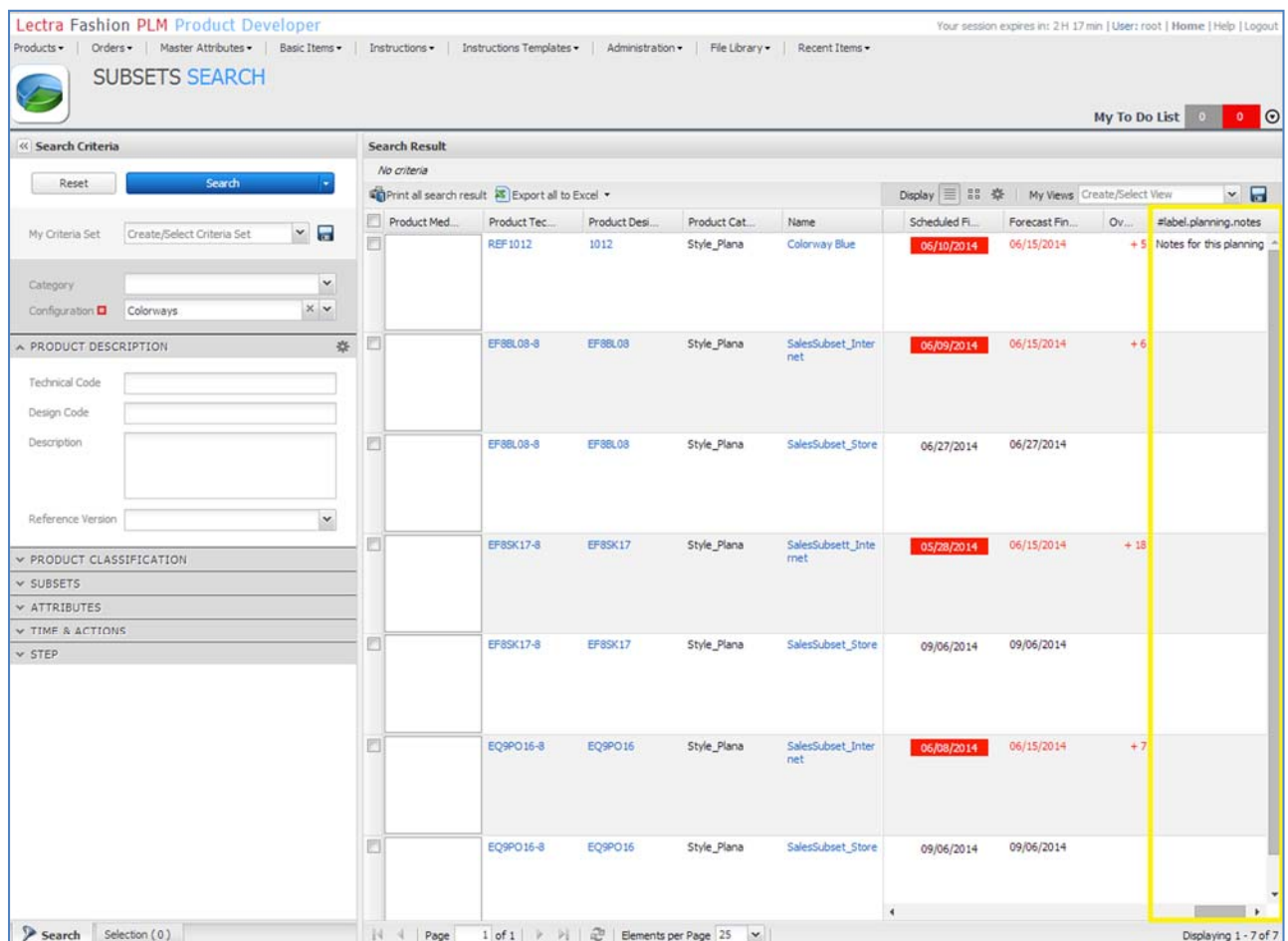
#### Screen custo

On file `namespaces/custom/Lectra.PDM.Search.Assortment.xml`, between namespace tags, add the following XML code

```
<explorereditablergrid name="resultGrid_with_workflow_custo"
inherits="resultGrid_with_workflow_default">
  <colModel inherits="resultGrid_with_workflow_default/colModel" >
    <column xsi:type="longtextcolumn" dataIndex="workflowData.planning.notes"
      headerI18n="label.planning.notes" editable="true" />
  </colModel>
  <store xsi:type="lpfdirectstore"
inherits="resultGrid_with_workflow_default/store" >
    <dataField name="workflowData.planning.notes" />
  </store>
</explorereditablergrid>
```

NB: In Subset explorer, custom schedule fields have to be prefixed by `"workflowData.planning"` in dataIndex of column and in dataField of store.

#### Screen Result



#### 5.2.1.4 How to add custom field "Deadline" on Subset Explorer, only with "Colorways with deadline" configuration?

##### Screen custo

On file `namespaces/custom/Lectra.PDM.Search.Assortment.xml`, after first `<explorereditablegrid>` added, add the following XML code:

```
<explorereditablegrid name="resultGrid_Colorways_StylePlana"
  inherits="resultGrid_with_workflow_custo">
  <colModel inherits="resultGrid_with_workflow_custo/colModel" >
    <column xsi:type="datecolumn"
      dataIndex="workflowData.planning.deadlineDate"
      headerI18n="label.planning.deadlineDate" editable="true"/>
  </colModel>
  <store xsi:type="lpfdirectstore"
    inherits="resultGrid_with_workflow_custo/store">
    <dataField name="workflowData.planning.deadlineDate" />
  </store>
</explorereditablegrid>
```

NB: To keep previous custo and inherits "resultGrid\_Colorways\_StylePlana" of "resultGrid\_with\_workflow\_custo", all `resultGrid_with_workflow_default` references have to be replaced by `resultGrid_with_workflow_custo`.

NB2: Configuration name suffix "`Colorways_StylePlana`" is the Configuration key, defined in PLM Manager and translated in **Administration > Internationalization** on PDM.

### Screen Result

Lectra Fashion PLM Product Developer Your session expires in: 2 H 29 min | User: root | Home | Help | Logout

Products ▾ | Orders ▾ | Master Attributes ▾ | Basic Items ▾ | Instructions ▾ | Instructions Templates ▾ | Administration ▾ | File Library ▾ | Recent Items

**SUBSETS SEARCH** My To Do List 0 0

**Search Criteria**

Reset Search

My Criteria Set: Create/Select Criteria Set

Category: Configuration ✖ Colorways with deadline

**"Colorways with deadline" is translation of "Colorways\_StylePlana" configuration**

Technical Code:

Design Code:

Description:

Reference Version:

PRODUCT CLASSIFICATION

SUBSETS

ATTRIBUTES

TIME & ACTIONS

STEP

**Search Result**

No criteria

Print all search result Export all to Excel

Product Tec...	Product Desi...	Product Cat...	Name	st Fin...	Overdue (Days)	#label.planning.notes	#label.planning.deadlineDate
<input type="checkbox"/> REF1012	1012	Style_Plana	Colorway Blue	2014	+5	Notes for this planning	07/02/2014
<input type="checkbox"/> EF88L08-8	EF88L08	Style_Plana	SalesSubset_Inter net	2014	+6		
<input type="checkbox"/> EF88L08-8	EF88L08	Style_Plana	SalesSubset_Store	2014			
<input type="checkbox"/> EF8SK17-8	EF8SK17	Style_Plana	SalesSubsett_Inte net	2014	+18		
<input type="checkbox"/> EF8SK17-8	EF8SK17	Style_Plana	SalesSubset_Store	2014			
<input type="checkbox"/> EQ9PO16-8	EQ9PO16	Style_Plana	SalesSubset_Inter net	2014	+7		
<input type="checkbox"/> EQ9PO16-8	EQ9PO16	Style_Plana	SalesSubset_Store	2014			

Search Selection (0) Page 1 of 1 Elements per Page 25 Displaying 1 - 7 of 7

### 5.2.1.5 How to create the associated search criteria?

#### PLM Manager

1. Create a new .xls file, and paste (in A1 cell) the table below

Entity	Field Name	Field Path	Field Type
prod	Color	taskType	workflowData.planning.tasks.customFields.taskType
prod	Color	taskTimeSpent	workflowData.planning.tasks.customFields.timeSpent
prod	Color	lcsTimeSpent	workflowData.planning.states.customFields.timeSpent
prod	Color	deadlineDate	workflowData.planning.customFields.deadlineDate
prod	Color	notes	workflowData.planning.customFields.notes

2. In PLM Manager, select Data Configuration / Define Search Criteria
3. Select Partition\_ **Colorways\_StylePlana** and click on Import
4. Search and import .xls created file

#### Screen custo

On file `namespaces/custom/Lectra.PDM.Search.Assortment.xml`, between namespace tags, add the following XML code

```
<panel name="criteria_Colorways_StylePlana" >
  <panel region="north" name="ConfigInstance" inherits="Configuration" />
  <panel region="center" name="accordionInstance" inherits="accordionPanel">
    <panel inherits="partition"/>
    <panel inherits="partitionAxis"/>
    <panel
      inherits="http://lectra.com/pdm/search/tna#explorer_criteria/workflow"
      layout="form" >
      <datefield fieldLabelI18n="label.search.deadlineDate"
        name="deadlineDate.values"
        hiddenName="deadlineDate" width="100" chkVisible="true" />
      <textarea name="notes.values" fieldLabelI18n="label.search.notes"
        value="" chkVisible="true"/>
    </panel>
    <panel inherits="http://lectra.com/pdm/search/tna#explorer_criteria/task"
      layout="form" >
      <textfield fieldLabelI18n="label.search.taskType" name="taskType.values"
        hiddenName="taskType" chkVisible="true" />
      <numberfield fieldLabelI18n="label.search.taskTimeSpent"
        name="taskTimeSpent.values" hiddenName="taskTimeSpent"
        chkVisible="true"/>
      <numberfield fieldLabelI18n="label.search.lcsTimeSpent"
        name="lcsTimeSpent.values" hiddenName="lcsTimeSpent"
        chkVisible="true" />
    </panel>
  </panel>
</panel>
```

Lectra Fashion PLM Product Developer Your session expires in: 2 H 28 min | User: root | Home | Help | Logout

Products ▾ Orders ▾ Master Attributes ▾ Basic Items ▾ Instructions ▾ Instructions Templates ▾ Administration ▾ File Library ▾ Recent Items ▾

## SUBSETS SEARCH

My To Do List 0 0

Search Criteria

Reset Search

My Criteria Set: Create/Select Criteria Set

Category:

Configuration: x Colorways with deadline

PRODUCT DESCRIPTION

PRODUCT CLASSIFICATION

SUBSETS

ATTRIBUTES

TIME & ACTIONS ⚙

Lifecycle State:

Scheduled Start:

Scheduled Finish:

Overdue Only:

Process:

#label.search.deadlineDate: 05/15/2014

#label.search.notes: Notes

STEP

Search Result

TIME & ACTIONS / #label.search.deadlineDate: 05/15/2014 #label.search.notes: Notes

Print all search result Export all to Excel

Display My Views Create/Select View

Name	#label.plann...	#label.plann...	Initial Lifecycle State	Summary	Prototypage
Colorway Blue	05/15/2014	Notes for this planning	Validated on 05/16/2014		<p>To Do before</p> <p><span style="color: red;">! 05/17/2014 +10 DAYS</span></p> <p>2 DAYS</p> <p> K. Gallagher</p>

Search Selection (0) Page 1 of 1 | Elements per Page 25 | Displaying 1 - 1 of 1



Lectra Fashion PLM Product Developer Your session expires in: 2 H 28 min | User: root | Home | Help | Logout

Products ▾ Orders ▾ Master Attributes ▾ Basic Items ▾ Instructions ▾ Instructions Templates ▾ Administration ▾ File Library ▾ Recent Items ▾

## SUBSETS SEARCH

My To Do List 0 0

**Search Criteria**

Reset Search ▾

My Criteria Set

Category

Configuration  Colorways with deadline

**TIME & ACTIONS**

#label.search.deadlineDate:

#label.search.notes:

**STEP**

Name:

Resource(s):

Scheduled Finish: From  To

Forecast Finish: From  To

Task:

Lifecycle State:

Overdue Only:

#label.search.taskType:

#label.search.taskTimeSpent:

#label.search.lcsTimeSpent:

**Search Result**

TIME & ACTIONS / #label.search.deadlineDate: 05/15/2014 #label.search.notes: Notes STEP / #label.search.taskType: Design #label.search.taskTimeSpent: 20  
#label.search.lcsTimeSpent: 18

Print all search result Export all to Excel

Name	#label.plann...	#label.plann...	Initial Lifecycle State	Prototype
Colorway Blue	05/15/2014	Notes for this planning	Validated on 05/16/2014	Summary To Do before <span style="color: red;">05/17/2014</span> <span style="color: red;">+10 DAYS</span> 2 DAYS K. Gallagher

Search Selection (0) Page 1 of 1 Elements per Page 25 Displaying 1 - 1 of 1

## 6. SUBSETS

### 6.1 Subset instance

#### 6.1.1.1 How to add two custom fields "Critical State" (Boolean) and "Comments" (String) to "Deliveries" configuration?

##### PLM Manager

1. Go to Data Configuration - Extend Data Model
2. Extend Subset item
3. Right click on **Deliveries** - Add custom field
4. Add field named **criticalState** as Boolean field
5. Right click on **Deliveries** - Add custom field
6. Add field named **comment** as String field

##### Screen custo

Edit the file `screensCusto.xml` (LectraPLMParam folder on the server) and declare your assortment by adding the following XML code.

```
<screen name="ProductPartition" displayCustoms="false">
  <icons>
    <icon name="defaultImageField"/>
  </icons>
  <!-- Composition of title of header -->
  <block name="header" displayed="false" columns="4" template="header">
    <field name="product.codeAlpha1" editable="false" alias="code1"/>
    <field name="product.codeAlpha2" editable="false" alias="code2"/>
    <field name="product.version.number" editable="false" alias="version"/>
  </block>

  <!-- Header navigation definition -->
  <block name="navheader" displayed="false"
    template="navheaders/NavHeader.html">
    <block name="navheaderCommon" displayed="false"
      template="navheaders/NavFields.html">
      <field name="defaultInstance" alias="defaultInstance" editable="false"/>
      <field name="usable" alias="usable"/>
      <field name="toBePrinted" alias="printable" editable="true"/>
      <field name="partitionType" alias="partitionType" editable="true"/>
      <field name="partitionStatus" alias="partitionStatus" editable="true"/>
      <field name="statusDate" alias="statusDate" editable="false" />
    </block>
    <block name="navheaderExtra" displayed="true"
      template="navheaders/NavFields.html">
      <field name="criticalState" alias="criticalState" editable="true" />
      <field name="comment" alias="comment" editable="true" />
    </block>
  </block>

  <!-- Storyboard -->
  <block name="storyBoard" displayed="false"
    template="screens/Block_Content.html">
  <tabs name="multiMediaBoardAndAxisTabs" tabPosition="top">
    <tab i18nKey="action.toggle.storyBoard" name="multiMediaBoardTab"
      displayed="true" icon="attachement.png">

```

```

<block name="multiMediaBoardContainer" template="board/Board.html">
  <!-- here will come the storyboard block define in the root screen -->
</block>
</tab>
<tab i18nKey="ProductPartition.axis" name="axisTab" displayed="true"
  autoLoad="true" autoHeight="true" layout="form" padding="5"
  labelAlign="top" border="false">
  <block name="axisBoardContainer" template="axisBoard/AxisBoard.html"
    displayed="true">
    <field name="colors" />
    <field name="sizes" />
    <field name="suppliers" />
    <field name="channels" />
    <field name="businessCategorys" />
    <field name="seasons" />
    <field name="themes" />
    <field name="brands" />
    <field name="divisions" />
    <field name="options" />
    <field name="genders" />
  </block>
</tab>
</tabs>
<block>
<block name="multiMediaBoard" displayed="false" columns="1"
  template="storyboard">
  <field name="fileLink" editable="false" alias="fileLink"/>
  <field name="comment" editable="false" alias="comment"/>
</block>

<!-- tabs -->
<tabs id="partitionTabs" name="partitionTabs" displayed="true"
  tabManager="com.Lectra.pdm.webapp.tabs.ProductPartitionTabManager"
  resizerCt="centerPanel">
<!-- Domain tab -->
  <tab name="domain" i18nKey="ProductPartition.domain" icon="icons/table.png"
    autoHeight="true" autoLoad="true">
    <block name="content">
      <table name="partitionRow"
        customizable="true"
        sortable="true"
        rowCheckable="false"
        title="PartitionContent"
        xtype="Lectra.PDM.Partition.MatrixGrid"
        collapsible="false"
        resizable="false"
        resizerCt="tabPanel.ProductPartition.partitionTabs"
        maxHeightForFixedCols="600">
        <column name="defaultValue" editable="true" showable="true"
          displayed="true" sortable="true" />
      </table>
    </block>
  </tab>
<!-- Workflow tab -->
  <tab name="workFlow" i18nKey="TimeAndActions"
    lpfExtPath="http://Lectra.com/pdm/timeandaction#generalPanel"
    extendedProfileTag="TATab">
  </tab>
  <tab name="workFlowTabWarning" i18nKey="workFlowTabWarning"
    directChild="true"
    displayed="false" >
    <block name="errorInfo" template="switch/workFlowTabWarning.html" />
  </tab>
</tabs>

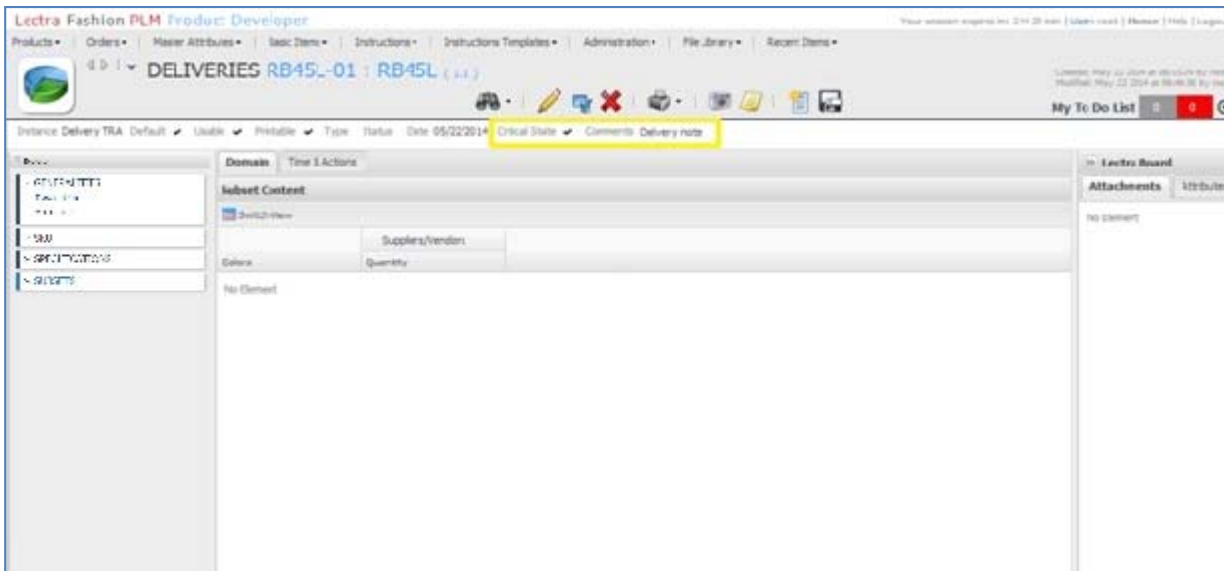
```

```
<!-- Tracking area (bottom of the screen) -->
<tabs name="trackingChangeZone" displayed="false">
  <tab name="changeZone" i18nKey="ProductGO.changeZone" autoLoad="false"
    directChild="true">
  </tab>
  <tab name="actionsHistoryZone" i18nKey="ProductGO.actionsHistoryZone"
    lpfExtPath="http://lectra.com/pdm/changetracking#actionsHistoryGrid" />
</tabs>

<block name="supplier" displayed="false">
  <table name="supplierTasks"
    defaultColumn="default" customizable="true" maxHeightForFixedCols="200"
    thumbView="false" displayed="false" >
    <column name="company.name" editable="false" sortable="false"/>
    <column name="opened" editable="true" sortable="false"/>
    <column name="usable" editable="true" sortable="false"/>
    <column name="proposedDate" editable="true"/>
    <column name="comment" editable="true"/>
  </table>
</block>
<!-- This block is used as a Screen in the saveAs popup -->
<block name="saveAs" displayed="false" columns="1"
  template="partition/PartitionSaveAsPopup.html" >
  <block name="identification" >
    <field name="name" editable="true"/>
  </block>
</block>

</screen>
```

**Screen Result**



## 6.1 Subsets explorer

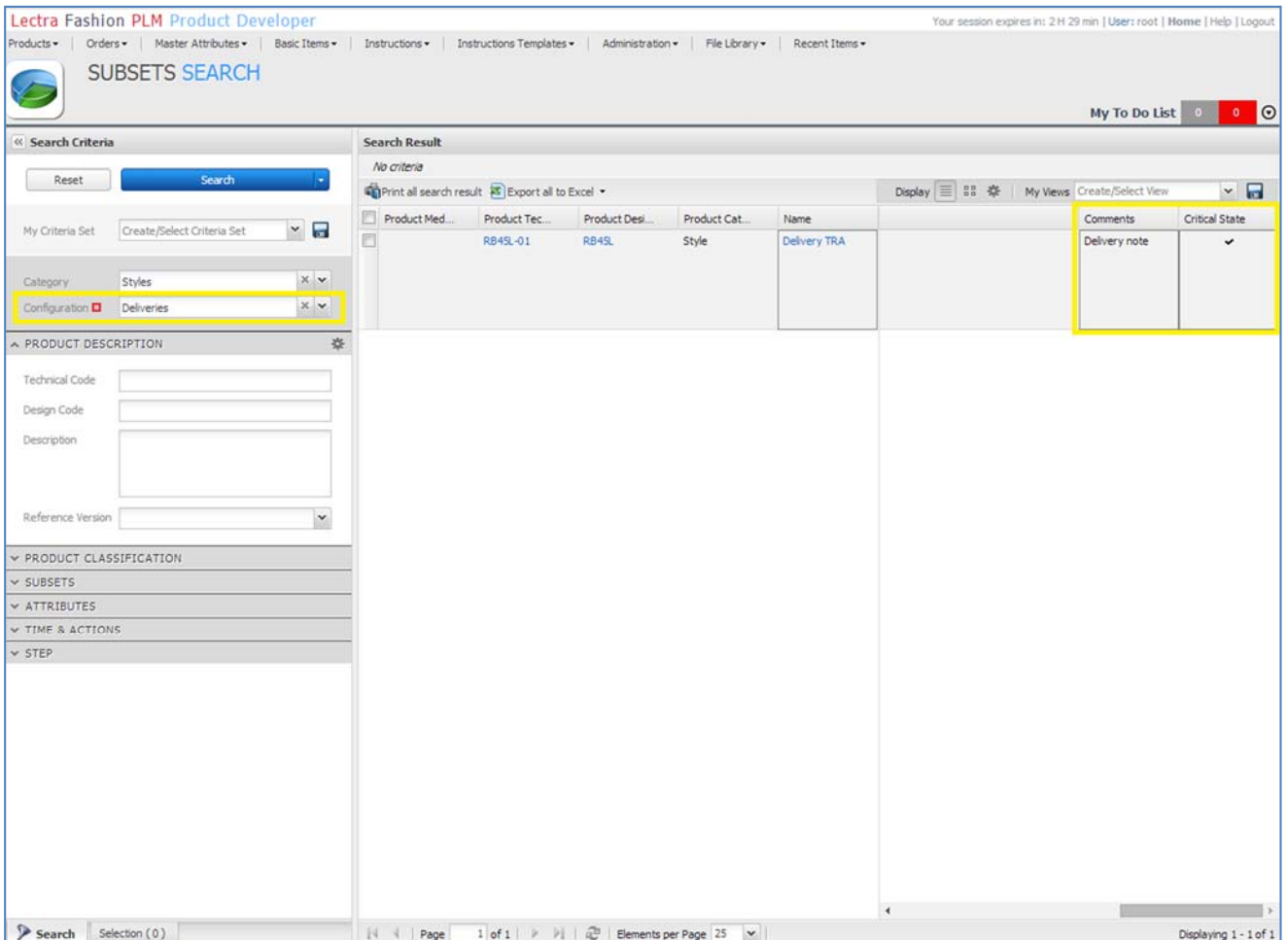
### 6.1.1.1 In subset explorer, with Deliveries configuration, how to see new custom fields?

#### Screen custo

On file `namespaces/custom/Lectra.PDM.Search.Assortment.xml`, between `<namespace>` tags, add the following XML code

```
<explorereditablegrid name="resultGrid_Deliveries"
  inherits="resultGrid_default">
  <colModel inherits="resultGrid_default/colModel">
    <column xsi:type="textcolumn" dataIndex="comment" headerI18n="comment"
      editable="true" />
    <column xsi:type="checkboxcolumn" dataIndex="criticalState"
      headerI18n="criticalState" editable="true"/>
  </colModel>
  <store xsi:type="lfpdirectstore" inherits="resultGrid_default/store">
    <dataField name="criticalState" />
    <dataField name="comment" />
  </store>
</explorereditablegrid>
```

#### Screen Result



The screenshot shows the 'SUBSETS SEARCH' interface. On the left, the 'Search Criteria' panel has 'Configuration' set to 'Deliveries'. The 'Search Result' table displays one entry:

Product Med...	Product Tec...	Product Desi...	Product Cat...	Name	Comments	Critical State
	RB4SL-01	RB4SL	Style	Delivery TRA	Delivery note	▼

The 'Comments' and 'Critical State' columns for the first row are highlighted with a yellow box. The 'Critical State' column contains a dropdown arrow.

### 6.1.1.2 How to create the associated search criteria?

#### PLM Manager

1. Create a new .xls file, and paste (in A1 cell) the table below

Entity Type	Entity Configuration	Field Name	Field Path	Field Type
productmanagement	<b>Deliveries</b>	comment	customFields.comment	core.customdefinitions.StringDef
productmanagement	<b>Deliveries</b>	criticalState	customFields.criticalState	core.customdefinitions.BooleanDef

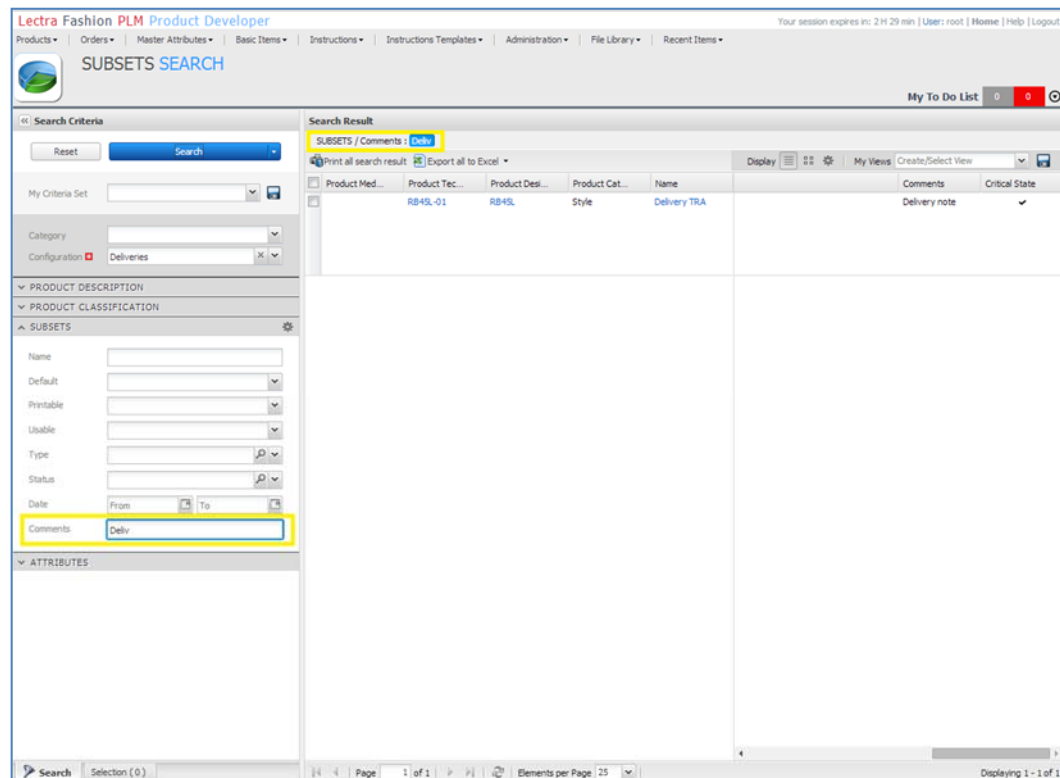
2. In PLM Manager, select Data Configuration / Define Search Criteria
3. Select Partition\_ **Deliveries** and click on Import
4. Search and import .xls created file

#### Screen custo

On file [namespaces/custom/Lectra.PDM.Search.Assortment.xml](#), between `<namespace>` tags, add the following XML code to add comment field in "partition" criteria panel:

```
<panel name="criteria_Deliveries" >
  <panel region="north" name="ConfigInstance" inherits="Configuration" />
  <panel region="center" name="accordionInstance" inherits="accordionPanel" >
    <panel inherits="partition" >
      <textfield fieldLabelI18n="comment" name="comment.values"
        hiddenName="comment" chkVisible="true"/>
    </panel>
    <panel inherits="partitionAxis"/>
  </panel>
</panel>
```

#### Screen Result



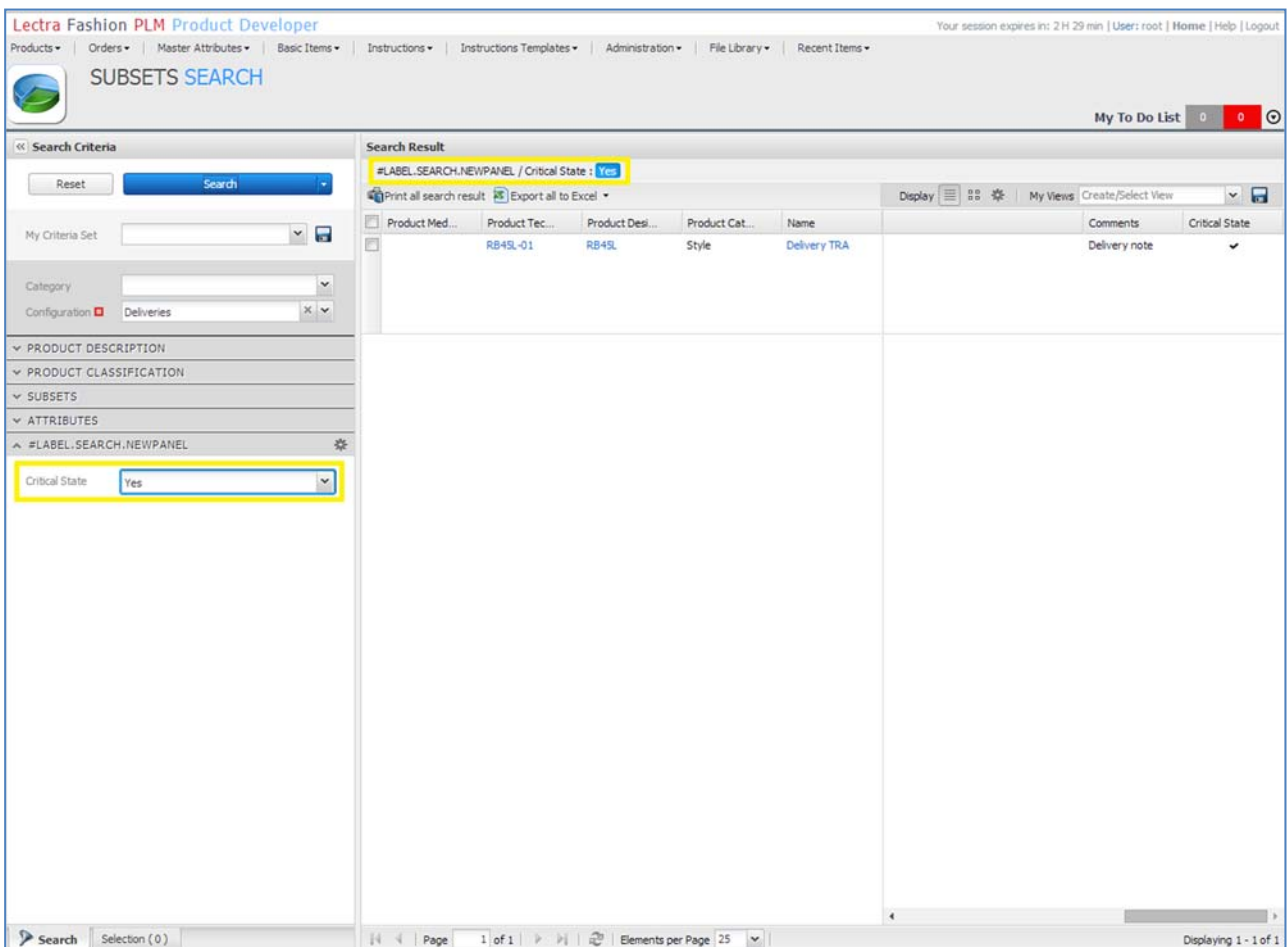
The screenshot shows the 'SUBSETS SEARCH' interface. On the left, the 'Search Criteria' panel is visible, with the 'Comments' field set to 'Deliv'. The main 'Search Result' area displays a table with columns: Product Med., Product Tec., Product Des., Product Cat., Name, Comments, and Critical State. A search result is shown for 'RB4SL-01' with a 'Delivery TRA' name and a 'Delivery note' comment. The 'Comments' field in the search criteria is highlighted with a yellow box, and the 'Deliv' value is also highlighted.

### Screen custo

On file [namespaces/custom/Lectra.PDM.Search.Assortment.xml](#), to create a new search criteria panel and add criticalState criteria, update XML with adding a new panel:

```
<panel name="criteria_Deliveries" >
  <panel region="north" name="ConfigInstance" inherits="Configuration" />
  <panel region="center" name="accordionInstance" inherits="accordionPanel" >
    <panel inherits="partition" >
      <textfield fieldLabelI18n="comment" name="comment.values"
        hiddenName="comment" chkVisible="true"/>
    </panel>
    <panel inherits="partitionAxis"/>
    <panel titleI18n="label.criteria.newPanel" collapsible="true"
      layout="form">
      <defaults anchor="100%" />
      <twincombo fieldLabelI18n="criticalState"
        hiddenName="criticalState.values"
        inherits="http://lectra.com/pdm/common#yesno"
        conditionCtrl="com.lectra.lpf.uimodel.FeatureFilter"
        chkVisible="true"/>
    </panel>
  </panel>
</panel>
```

### Screen Result



The screenshot shows the 'SUBSETS SEARCH' interface. On the left, the 'Search Criteria' panel is expanded to show the 'Critical State' dropdown menu, which is currently set to 'Yes'. The main 'Search Result' area displays a table with the following data:

Product Med...	Product Tec...	Product Desi...	Product Cat...	Name	Comments	Critical State
	RB4SL-01	RB4SL	Style	Delivery TRA	Delivery note	✓

The interface also includes a navigation menu at the top, a search bar, and a 'My To Do List' indicator showing 0 items.



## 7. COLLECTION PLAN

### 7.1 Detail Collection Plan screen

#### 7.1.1 How customize General Data in detail Collection Plan screen ?

Let's add **custom fields** and **custom roles** in General Data :

##### PLM Manager Steps

1. Go to Data Configuration - Extend Data Model
2. Extend Collection Management item
3. Right click on Collection Plan - Add **custom field** / Add **custom role**
4. Add fields / roles named:
  - a. **CP\_LongString** as Long string field
  - b. **CP\_Int** as Integer field
  - c. **CP\_Date** as Date field
  - d. **CP\_Boolean** as Boolean field
  - e. **CP\_Country\_Multi** as Country process Pick List allowing multiple
  - f. **CP\_Country\_Single** as Country process Pick List
  - g. **CP\_Doc** as Document Target
  - h. **CP\_Color** as Marketing Color

##### Screen custo

On file `namespaces/custom/Lectra.PDM.CollectionPlan.CollectionPlan.xml`, between `<panel inherits="detailsEdit/detailsEditCenter" overflowX="auto" overflowY="auto" layout="form">` tags, add the following XML code:

```

<textarea name="CP_LongString" fieldLabelI18n="custom.cp.Label.Longstring" height="100" width="500" margin="10 0 0 10">
  <bind readOnly="{!isPageEditable}" value="{collectionPlan.CP_LongString}" />
</textarea>
<checkbox name="CP_Boolean" fieldLabelI18n="custom.cp.Label.boolean" margin="10 0 0 10">
  <bind readOnly="{!isPageEditable}" value="{collectionPlan.CP_Boolean}" />
</checkbox>
<integerfield name="CP_Int" fieldLabelI18n="custom.cp.Label.int" margin="10 0 0 10">
  <bind readOnly="{!isPageEditable}" value="{collectionPlan.CP_Int}" />
</integerfield>
<datefield name="CP_Date" fieldLabelI18n="custom.cp.Label.date" margin="10 0 0 10" width="250">
  <bind readOnly="{!isPageEditable}" value="{collectionPlan.CP_Date}" />
</datefield>
<nodecombo name="CP_Country_Multi" multiSelect="true" propertyName="Country" formatQuery="false" fieldLabelI18n="custom.cp.Label.hvl.country.multi" width="300" margin="10 0 0 10">
  <bind readOnly="{!isPageEditable}" value="{collectionPlan.CP_Country_Multi}" />
</nodecombo>
<nodecombo name="CP_Country_Single" multiSelect="false" displayField="path" propertyName="Country" formatQuery="false" fieldLabelI18n="custom.cp.Label.hvl.country.single" width="300" margin="10 0 0 10">
  <bind readOnly="{!isPageEditable}" value="{collectionPlan.CP_Country_Single}" />
</nodecombo>
<imagefield name="CP_Doc" fieldLabelI18n="custom.cp.Label.document" useREST="true"
  inherits="http://Lectra.com/pdm/common#defaultImageFieldEXT5" managerRef="selSmallImageField" imageWidth="96" imageHeight="96">
  <managerInstance name="Lectra.PDM.Mgrs.imageFieldRestMgr" />
  <bind readOnly="{!isPageEditable}" fileLinkObj="{collectionPlan.CP_Doc}" />
</imagefield>
<envitemcombo name="CP_Color" hiddenName="CP_Color" envItemType="MarketingColor" hideTrigger2="true" fieldLabelI18n="custom.cp.Label.envitem.color" pageSize="25" >
  <bind readOnly="{!isPageEditable}" value="{collectionPlan.CP_Color}" />
</envitemcombo>

```

## Translations

Add i18 keys and their value by modifying the [PLM-Fashion\PDM\LectraPLMParam\i18n\xls\custom\messagesCusto\\_en.properties](#) file:

```
custom.cp.label.longstring=Other comment
custom.cp.label.boolean=To improve
custom.cp.label.int=Prevision
custom.cp.label.date= End
custom.cp.label.hvl.country.multi= Countries
custom.cp.label.hvl.country.single=Original country
custom.cp.label.document=Add idea
custom.cp.label.envitem.color=Main color
custom.cp.rp.label.date= Beginning
custom.cp.rp.label.boolean= Stop
custom.cp.rp.label.string=Comment 2
custom.cp.rp.label.hvl.country.multi= Countries
custom.cp.rp.label.hvl.country.single= Country
custom.cp.rp.label.document=Recent image
```

Do the same for other language if needed (example : messagesCusto\_fr.properties etc.)

## Screen Result - display mode

Lectra Fashion PLM Product Developer

Collections ▾ Products ▾ Orders ▾ Master Attributes ▾ Basic Items ▾ Instructions ▾ Instructions Templates ▾ Administration ▾ File Library ▾ Recent Items

### COLLECTION PLAN SURF COLLECTION

**Plan** <<

**Detail - Surf Collection**


**PROPERTIES**

Name: **Surf Collection**  
Status: Ongoing  
Hierarchy: Third Level Hierarchy

**Structure**

- Surf Collection
  - 2013/Summer 2013 (SEASON)
  - 2013/Spring 2013 (SEASON)
  - Surf/RipCurl (BRAND)
    - man (GENDER)
    - woman (GENDER)
    - woman (GENDER)
  - Surf/QuickSilver (BRAND)

**Description**: Collection 2016 - Play the colors of the SunSet.  
**Comment**: Do not mix with **dark** colors.  
**Other comment**: Do not forget to see with designers  
**To improve**: ✓  
**Prevision**: 45600  
**End**: 04/08/15

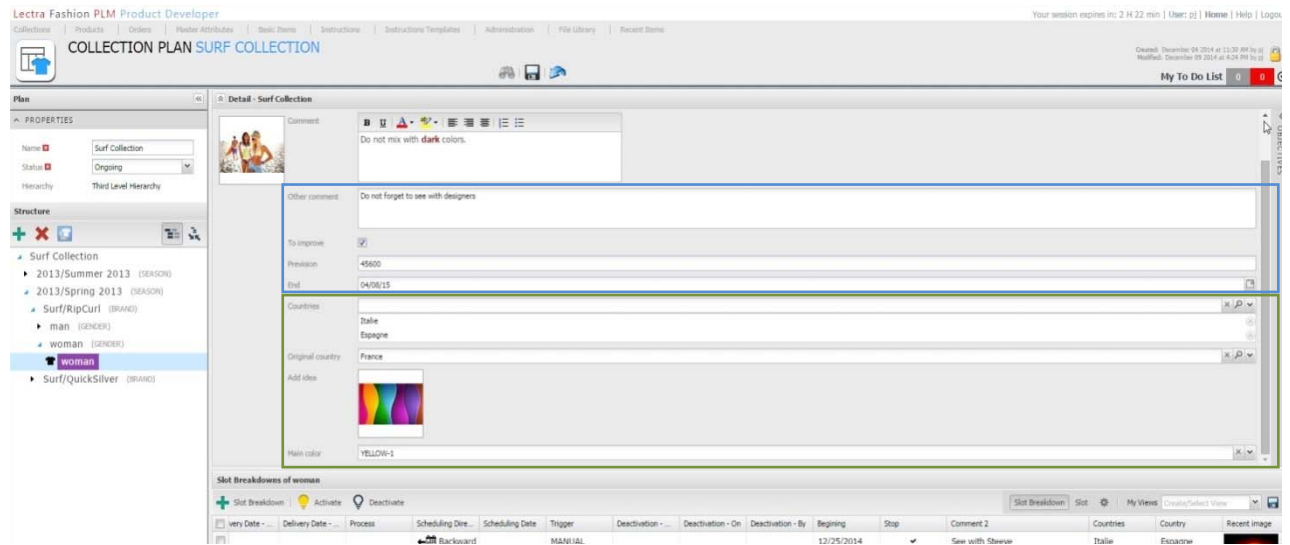
**Countries**: Italie, Espagne  
**Original country**: France  
**Add idea**:   
**Main color**: YELLOW-1

**Slot Breakdowns of woman**

Deploy

very Date - ...	Delivery Date - ...	Process	Scheduling Dire...	Scheduling Date	Trigger	Deactivation - ...
<input type="checkbox"/>			← Backward		MANUAL	
<input type="checkbox"/>			← Backward		MANUAL	

## Screen Result - edit mode



### 7.1.2 How customize Slot Breakdown Grid in detail Collection Plan screen?

Let's add **custom fields** and **custom roles** in Slot Breakdown Grid :

#### PLM Manager Steps

1. Go to Data Configuration - Extend Data Model
2. Extend Collection Management item
3. Right click on Slot Breakdown - Add **custom field** / Add **custom role**
4. Add fields / roles named:
  - a. **CP\_RP\_String** as String field
  - b. **CP\_RP\_Date** as Date field
  - c. **CP\_RP\_Boolean** as Boolean field
  - d. **CP\_RP\_Country\_Multi** as Country process Pick List allowing multiple
  - e. **CP\_RP\_Country\_Single** as Country process Pick List
  - f. **CP\_RP\_Doc** as Document Target

#### Screen custo

On file `namespaces/custom/Lectra.PDM.CollectionPlan.CollectionPlan.xml`, between `<grid name="rangeplanslotbreakdowngridDefault" inherits="rangeplanslotbreakdowngrid">` tags, add the following XML code :

```
<column xtype="datecolumn" dataIndex="CP_RP_Date" headerI18n="custom.cp.rp.Label.date" format="{#i18n['i18n.extdateformat']}" editable="true">
  <editorField xsi:type="datefield" format="{#i18n['i18n.extdateformat']}" />
</column>
<column xtype="checkboxcolumn" dataIndex="CP_RP_Boolean" headerI18n="custom.cp.rp.Label.boolean" headerId="CP_RP_Boolean" editable="true"/>
<column xtype="textcolumn" dataIndex="CP_RP_String" headerI18n="custom.cp.rp.Label.string" headerId="CP_RP_String" editable="true"/>
<column dataIndex="CP_RP_Country_Multi" headerI18n="custom.cp.rp.Label.hvl.country.multi" headerId="CP_RP_Country_Multi">
  <editorField xsi:type="nodecombo" multiSelect="true" propertyName="Country" formatQuery="false" />
  <rendererFn name="Lectra.PDM.Format.nodesRenderer()" />
</column>
<column dataIndex="CP_RP_Country_Single" headerI18n="custom.cp.rp.Label.hvl.country.single" headerId="CP_RP_Country_Single" >
  <editorField xsi:type="nodecombo" multiSelect="false" propertyName="Country" formatQuery="false" />
  <rendererFn name="Lectra.PDM.Format.nodeRenderer()" />
</column>
<column xsi:type="imagecolumn" dataIndex="CP_RP_Doc" headerI18n="custom.cp.rp.Label.document" headerId="CP_RP_Doc" imageSize="medium" useREST="true" editable="true" >
  <imageEditor inherits="http://Lectra.com/pdm/common#defaultImageFieldEXT5" managerRef="attachmentImageField">
    <managerInstance name="Lectra.PDM.Mgrs.imageFieldRestMgr" />
  </imageEditor>
</column>
```

## Screen Result

**Detail - Surf Collection**

Other comment: Do not forget to see with designers


To improve: ✓

Prevision: 45600

End: 04/08/15



Countries: Italie, Espagne

Original country: France

Add idea: 

Main color: YELLOW-1

**Slot Breakdowns of woman**

Deactivation - On	Deactivation - By	Beginning	Stop	Comment 2	Countries	Country	Recent image	Currency
<input type="checkbox"/>		12/31/2014	-	See with Lucy	Italie Espagne France	Espagne		EUR
<input type="checkbox"/>		12/25/2014	✓	See with Steeve	Italie Espagne	Espagne		EUR

## 7.2 List Collection Plan screen

### 7.2.1 How customize General Data in detail Collection Plan screen ?

Let's add **custom fields** and **custom roles** in General Data :

#### PLM Manager Steps

See previous PLM Manager steps.

#### Screen custo

On file `namespaces/custom/Lectra.PDM.CollectionPlan.ListCollectionPlan.xml`, between `<fieldset inherits="listCollectionDetails/listCollectionDetailsRight" >` tags, add the following XML code :

```
<fieldset padding="10" border="false" margin="-3 0 0 0">
  <textarea name="CP_LongString" fieldLabelI18n="custom.cp.Label.longstring" readOnly="true" />
  <checkbox name="CP_Boolean" fieldLabelI18n="custom.cp.Label.boolean" readOnly="true" />
  <integerfield name="CP_Int" fieldLabelI18n="custom.cp.Label.int" readOnly="true" />
  <datefield name="CP_Date" fieldLabelI18n="custom.cp.Label.date" readOnly="true" />
  <nodecombo name="CP_Country_Multi" multiSelect="true" propertyName="Country" fieldLabelI18n="custom.cp.Label.hvl.country.multi" >
    <bind readOnly="true" />
  </nodecombo>
  <nodecombo name="CP_Country_Single" multiSelect="false" propertyName="Country" fieldLabelI18n="custom.cp.Label.hvl.country.single" >
    <bind readOnly="true" />
  </nodecombo>
  <imagefield name="CP_Doc" fieldLabelI18n="custom.cp.Label.document" useREST="true"
    inherits="http://Lectra.com/pdm/common#defaultImageFieldEXT5" managerRef="selSmallImageField" imageWidth="96" imageHeight="96" readOnly="true" >
    <managerInstance name="Lectra.PDM.Mgrs.imageFieldRestMgr" />
  </imagefield>
  <envitemcombo name="CP_Color" envItemType="MarketingColor" fieldLabelI18n="custom.cp.Label.envitem.color" hideTrigger2="true" readOnly="true" />
</fieldset>
```

# Screen Result

Lectra Fashion PLM Product Developer Your session expires in: 2 H 29 min | User: pj | Home | Help | Logout

Collections ▾ Products ▾ Orders ▾ Master Attributes ▾ Basic Items ▾ Instructions ▾ Instructions Templates ▾ Administration ▾ File Library ▾ Recent Items

## COLLECTION PLANS

My To Do List 0 0

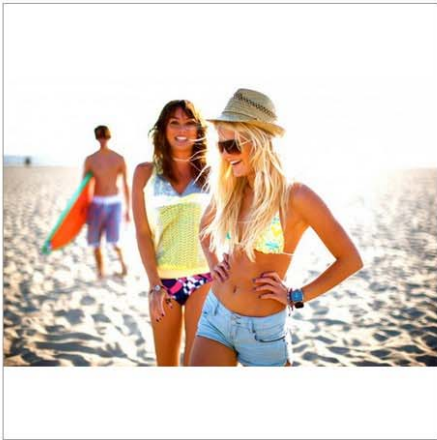
### Collection Plans

+

Filter By Name

- CreateCollectionPlan34051333534672
- CreateCollectionPlan340540182828114
- Surf Collection**
- winter CP

### Details



**Name** Surf Collection

**Description** Collection 2016 - Play the colors of the SunSet.

**Comments** Do not mix with **dark** colors.

**Status** Ongoing

**Created** by pj on 12/04/2014 at 11:30 AM

**Modified** by pj on 12/09/2014 at 5:29 PM

**Other comment** Do not forget to see with designers


**To improve** ✓

**Prevision** -45600

**End** 04/08/15

**Countries** Italie  
Espagne

**Original country** France

**Add idea** 

**Main color** YELLOW-1