IBM® WebSphere® Commerce V7 Feature Pack 2 – Lab exercise

Catalog filter and attribute dictionary tools lab

Catalog filter and attribute dictionary tools

What this exercise is about

In this tutorial, you will explore the new catalog filtering and attribute dictionary capabilities in WebSphere Commerce. You will browse and work with attributes using the new attribute dictionary tools in the Management Center. You will then assign new attributes to products and generate SKUs from them. You will then create several types of catalog filters using the new Catalog Filter and Pricing tool. Finally, you will then assign the filters and verify the results on the storefront.

This tutorial should take approximately 90 min to complete.

What you should be able to do

After completing this exercise, you should be able to:

- Modify attributes in the attribute dictionary

- Assign new attribute dictionary attributes as defining attributes to products

- Create SKUs from attribute dictionary attributes and values

- View new facets in search navigation based on attributes

- Create catalog filters using Catalog Filter Upload in the Catalog Filter and Pricing tool

- Use attribute dictionary attributes and product properties in catalog filters

- Assign newly created dynamic filters in Accelerator

- Verify results on the storefront after filter assignment

Introduction

The following naming conventions are used in the exercises:

Reference Variable	Description
<WCDE_INSTALL_DIR>	C:\WCDE_ENT70
<Hostname>	Hostname for WebSphere Commerce
<AD_Sample>	Location where you download the AD/AttributeDictionary.csv

Catalog filter and attribute dictionary tools

Requirements

Before you begin:

- Install WebSphere Commerce V7 fix pack 2

- Install WebSphere Commerce V7 feature pack 2

- Complete feature enablement

- Publish feature pack Madisons starter store archive **Madisons-FEP.sar**

- Configure search on Madisons store

Catalog filter and attribute dictionary tools

Part 1: Browse Madisons store

In this part of the lab, you will browse the Madisons store to familiarize yourself with the categories and entries before you apply any filters.

____ 1. Start your WebSphere Commerce application or test server.

____ 2. Launch Management Center using the URL https://<WC_HOST>:8000/lobtools or from the hintsandtips.html from the toolkit install directory.

____ 3. Launch the **Madisons** store.

____ 4. Navigate to the **Apparel** category from the top navigation.

    __ a. Go to the **Girls Dresses and Skirts** category. There should be six products in this category. Note that they are currently not further categorized by attributes.

Catalog filter and attribute dictionary tools

Part 2: Browsing the attribute dictionary

You will browse attribute dictionary attributes of the Madisons store.

____ 1.   Start your WebSphere Commerce application or test server.

____ 2.   Launch Management Center using the URL **https://<WC_HOST>:8000/lobtools**.

____ 3.   Open the **Catalogs** tool and select **Madisons** store from the drop down menu.

____ 4.   Upload attribute dictionary data.

　　　__ a. Select New > Catalog Upload.

　　　__ b. Click the browse icon and navigate to <AD_sample> file to upload.

　　　__ c. Go to the **Catalog Uploads** folder on the left navigation to see the status of the upload.

　　　__ d. Ensure that status is success before proceeding.

____ 5.   Browse attribute dictionary attributes.

　　　__ a. You can browse the available attributes by going to the catalog filters and select **Attribute Dictionary** from the drop down menu. Note: If you do not have any attribute dictionary attributes in the database, then the **Attribute Dictionary** option is not available.

　　　__ b. Select the store **Attribute Dictionary** option from the left navigation.

　　　__ c. Make sure all attributes are marked **Searchable**. Click File > **Save All**.

Madisons Attribute Dictionary - Attributes List

Attribute Dictionary ▼

Show All ▼

Sequence	* Type	* Code	* Name	* Data type	Displayable	Searchable	Comparable
0.0	◢	timer	Timer	Text ▼	☑	☑	☐
0.0	◢	pausenserver	Pause 'n Serve	Text ▼	☑	☑	☐
0.0	◢	autooff	Auto-off	Text ▼	☑	☑	☐
0.0	◢	grinder	Grinder	Text ▼	☑	☑	☐
0.0	◢	SKU AD Style	Style	Text ▼	☑	☑	☐
0.0	◢	Product AD Style	Style	Text ▼	☑	☑	☐
0.0	123	Weight	Weight	Decimal number ▼	☑	☑	☐
0.0	123	fulfillmentFrequency	Subscription frequency	Whole number ▼	☑	☑	☐
0.0	123	timePeriod	Subscription period	Whole number ▼	☑	☑	☐
0.0	123	Size Attribute	Size	Text ▼	☑	☑	☐
0.0	123	paymentFrequency	Payment option	Whole number ▼	☑	☑	☐
0.0	123	Size Integer Attribute	Size Integer	Whole number ▼	☑	☑	☐
0.0	◢	Product AD Style2	Style	Text ▼	☑	☑	☐
0.0	123	Colour Attribute	Colour	Text ▼	☑	☑	☐
0.0	◢	espresso	Espresso	Text ▼	☑	☑	☐

Search Results
Active Work
Catalog Uploads
Madisons Attribute Dictionary

Catalog filter and attribute dictionary tools

Part 3: Working with attribute dictionary attributes

In this part of the lab, you will work with attribution dictionary attributes including modifying the attributes, adding new values, adding descriptive, defining attributes and lastly generate SKUs.

____ 1. Start your WebSphere Commerce application or test server.

____ 2. Launch Management Center using the URL **https://<WC_HOST>:8000/lobtools**.

____ 3. Open the **Catalogs** tool and select **Madisons** store from the drop down menu.

____ 4. Access the **Attribute Dictionary** from the drop down menu.

____ 5. Modify attributes in the attribute dictionary.

  __ a. Select and open the **Colour Attribute** by double-clicking on the entry.

  __ b. Scroll down to the **Attribute Value Information** section.

  __ c. Click the new icon ⬜ and add a new attribute value: **Pink** with a Sequence of **5.0**.

▽ **Attribute Values Information**

Attribute values	Sequence (United States English)	* Type	* Value (United States English)	Default value
	1.0	◢	Red	☐
	2.0	◢	White	☐
	3.0	◢	Blue	☐
	4.0	◢	Black	☐
	5.0	◢	Pink	☐
1 of 5 selected				

  __ d. Click **Save and Close**.

____ 6. Add attribute dictionary descriptive attribute.

  __ a. Browse to the Master Catalog.

  __ b. Navigate to **Furniture > Fabric Sofas** category.

  __ c. Open the **White Fabric Roll Arm Sofa (FUFA-02)** and navigate to the Descriptive Attributes tab.

  __ d. You can now add attribute dictionary attributes by opening the utility pane and go to the **Browse** tab.

  __ e. Select the **Attribute Dictionary Attributes** from the drop down menu and expand the section.

  __ f. Drag **Colour Attribute** to the table and select **White** as the **Value**.

Catalog filter and attribute dictionary tools
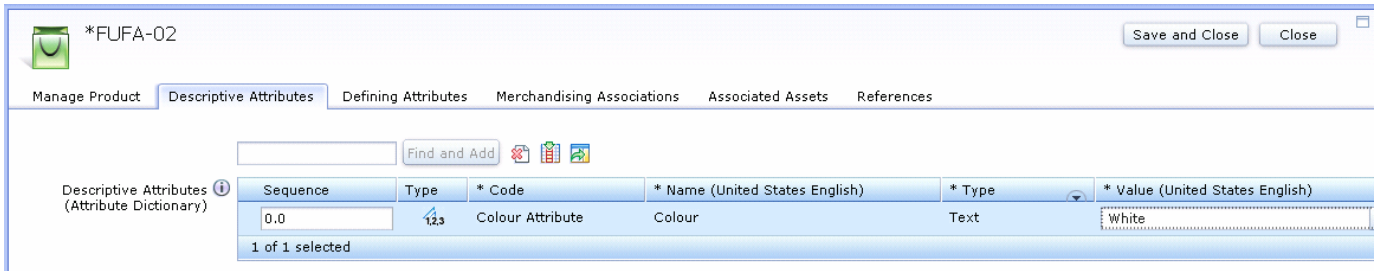
__ g. **Save and Close**.

____ 7. You will be adding color and size attribute dictionary defining attributes to all the items in Girls Dresses and Skirts category.

__ a. Navigate to the **Apparel > Girls Dresses and Skirts** category.

__ b. Open **Denim jumper (MW-0018)** and navigate to the **Defining Attributes** tab.

__ c. Remove existing classic attribute, SIZE, by selecting the attribute and click the **Delete** icon.

__ d. You can now add attribute dictionary attributes by opening the utility pane and go to the **Browse** tab.

__ e. Select the **Attribute Dictionary Attributes** from the drop down menu and expand the section.

__ f. Drag **Colour Attribute** and **Size Attribute** to the table.

__ g. **Save and Close**.

__ h. Repeat steps c – h for the following entries.

1) MW-0021 Garden denim jumper

2) MW-0027 Pretty in pink

3) MW-0019 Woven sleeveless top

4) MW-0020 Animal print skirt

5) MW-0024 Flower tiered skirt

____ 8. You will be modifying existing SKUs for the entries you just added defining attributes for.

Catalog filter and attribute dictionary tools

__ a. Select **MW-0018** to view all the existing SKUs for the product.

__ b. Specify the following combinations for the SKUs:

Colour	Size
Blue	Large
Blue	Medium
Blue	Small
Blue	Xsmall
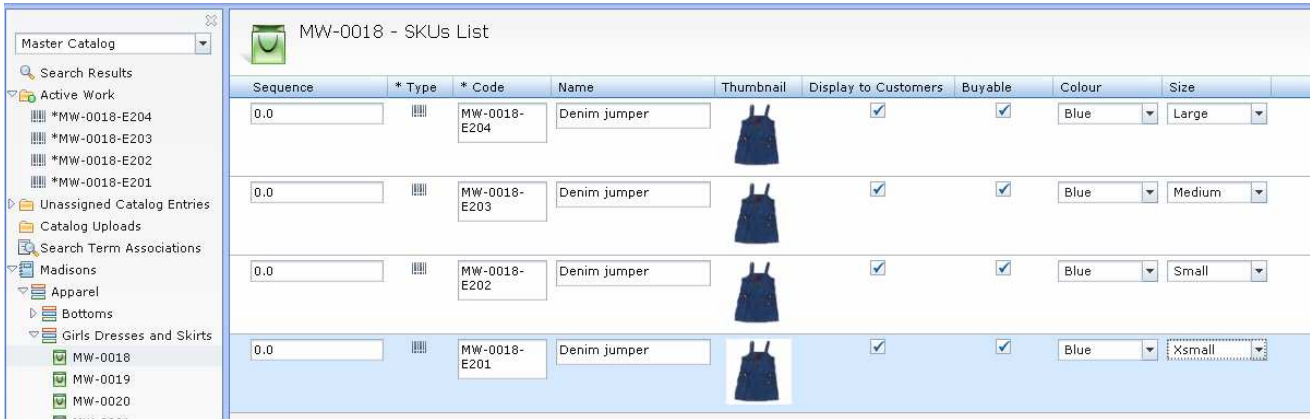
__ c. Go to File > Save all.

__ d. Repeat steps a – c for the rest of the entries in the category.

Product	Colour	Size
MW-0019	White	Large, Medium, Small, Xsmall
MW-0020	White	Large, Medium, Small, Xsmall
MW-0021	Blue	Large, Medium, Small, Xsmall
MW-0024	Pink	Large, Medium, Small, Xsmall
MW-0027	Pink	Large, Medium, Small, Xsmall

Part 4: Verify new attributes

In this part of the lab, you will browse the storefront and verify the new defining attributes you added for the products in the Girls Dresses and Skirts category.

____ 1. Since you made changes to the attribute dictionary, you need to manually rebuild the search index in order to see the new facets on the storefront.

    __ a. Complete **Part 9: Rebuild Search Index** before proceeding to the verification steps.

____ 2. Launch the **Madisons** store.

____ 3. Navigate to the **Apparel > Girls Dresses and Skirts** category and verify the attributes you just added.

____ 4. If you do not see the new facets, close all your browser windows and open it again.

Catalog filter and attribute dictionary tools

Part 5: Create catalog filters

In this part of the lab, you will use the new Catalog Filter and Pricing tool to create catalog filters based on categories, attribute and property conditions.

____ 1.   Start your WebSphere Commerce application or test server.

____ 2.   Launch Management Center using the URL **https://<WC_HOST>:8000/lobtools**.

____ 3.   Open the new **Catalog Filter and Pricing tool** and select the **Madisons** store.

Management Center Tools ▾
- Catalogs
- Marketing
- Promotions
- Assets
- Catalog Filter and Pricing
- Installments
- Store Management
- Getting Started
- Preferences...
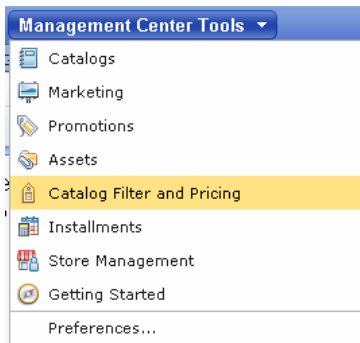
____ 4.   Create catalog filter 1 (CF01) to include all catalog entries that are either **white OR** is manufactured by **MapleWear**.

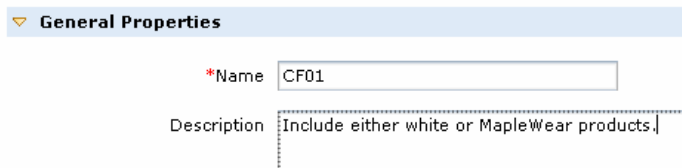__ a. Create a new catalog filter by clicking on the New icon and selecting Catalog Filter.

__ b. Specify the following fields under General Properties.

1) **Name:** CF01

2) **Description:** Include either white or MapleWear products.

▽ **General Properties**

*Name CF01

Description Include either white or MapleWear products.

__ c. Expand the **Filter by Categories, Attributes, and Properties** section.

1) From the tree view, right click the **Madisons** catalog and select **Include**.

Catalog filter and attribute dictionary tools
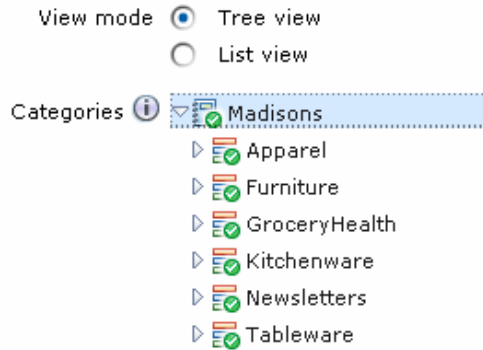
__ d. Since this is a <u>union</u> of two conditions, you want to create two separate condition groups each with one condition.

      1) Click the New icon to create the first condition group (**CG01**).

      2) Click the New icon again to create the second condition group (**CG02**).

      3) Ensure the **Madisons** catalog is selected.
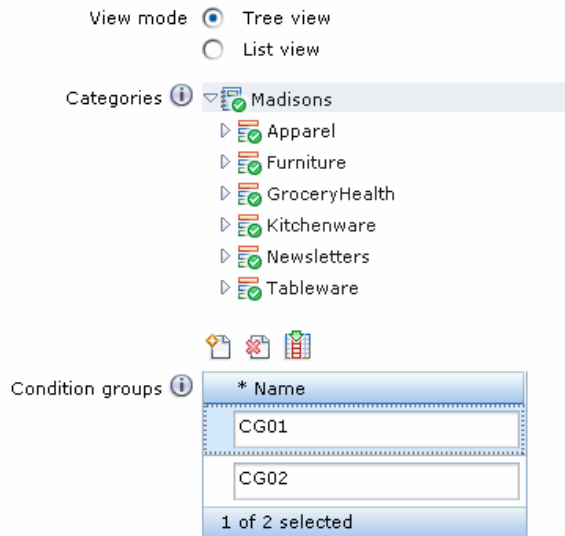
__ e. Select **CG01** and click the New Icon to create a new **Attribute Dictionary Attribute** condition.

      1) Specify 'colour' as the keyword in the pop-up box.
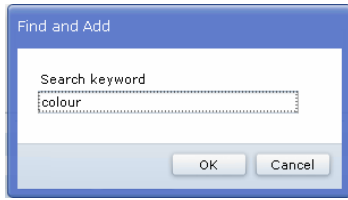
2) Select **equals** as the operator.

3) Select **white** as the value.

__ f. Select **CG02** and click the New Icon to create a new property condition.

1) Select **Manufacturer Name** as the name of the condition.

2) Select **equals** as the property.

3) Specify the value as **MapleWear**.

__ g. Save and Close the filter.

Catalog filter and attribute dictionary tools

_____ 5. Create catalog filter 2 (CF02) to include all catalog entries that are **white AND** are manufactured by **MapleWear**.

__ a. Create a new catalog filter by clicking on the New icon and selecting Catalog Filter.

__ b. Specify the following fields under **General Properties**.

__ c. Expand the **Filter by Categories, Attributes, and Properties Categories** section.

1) From the tree view, right click the **Madisons** catalog and select **Include**.

__ d. Since this is an intersection of two conditions, you want to create one condition group with two conditions.

1) Click the New icon to create the first condition group (**CG01**).

2) Ensure the Madisons catalog is selected.


__ e. Select **CG01** and create the same conditions as catalog filter 1.

1) Create the first condition by clicking the New Icon to create a new attribute condition.

a) Specify 'colour' as the keyword in the pop-up box.

b) Select **equals** as the operator.

Catalog filter and attribute dictionary tools

c) Select **white** as the value.

2) Create the second condition by clicking on the New Icon to create a new property condition.

a) Select **Manufacturer Name** as the name of the condition.

b) Select **equals** as the property.

c) Specify the value as **MapleWear**.
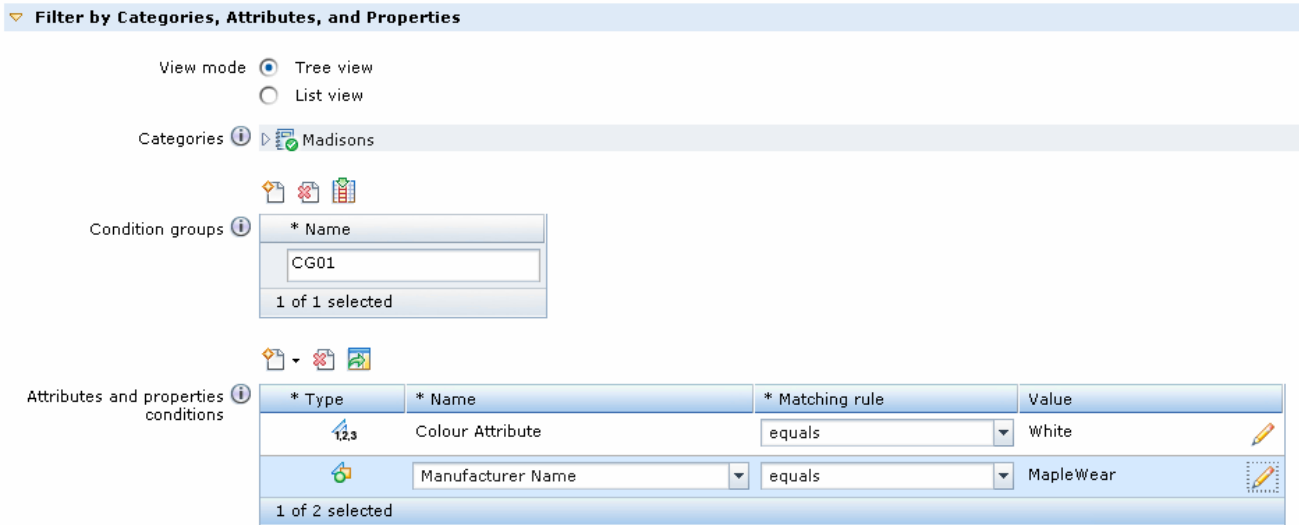
__ f. Save and Close the filter.

____ 6. Create catalog filter 3 (**CF03**) to include only blue and pink skirts in the **Apparel** category. Specify the following values for the fields of the new filter.

__ a. **Name:** CF03

__ b. **Description:** Include blue and pink skirts in the Apparel category.

__ c. Exclude entire catalog, since otherwise everything is implicitly included.

__ d. Include **Apparel** category.
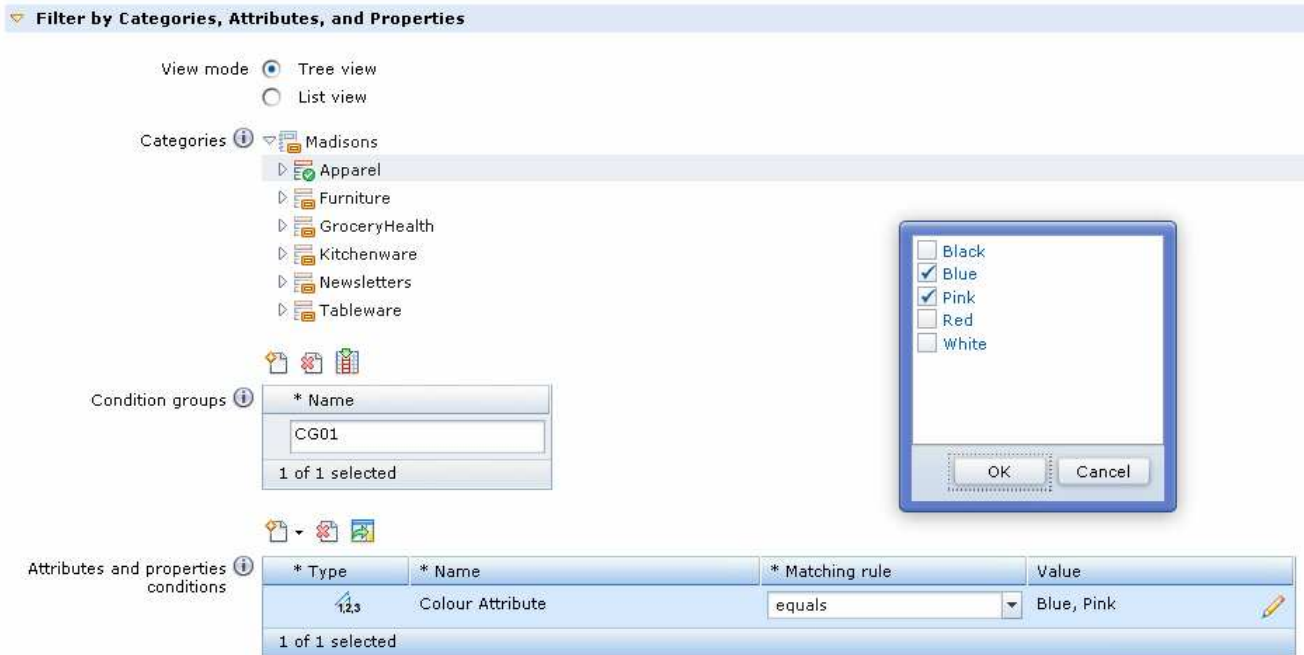
__ e. Create a new condition group **CG01.**

__ f. Create a new attribute condition.

1) Specify 'colour' as the keyword in the pop-up box.

2) Select **equals** as the operator.

3) Select **Blue, Pink** as the values.

__ g. Save and Close the filter.

Catalog filter and attribute dictionary tools

____ 7.   By the completion of this part you have created three catalog filters.

| Filter Name	Description
CF01	Include either white or MapleWear products.
CF02	Include white AND MapleWear products
CF03	Include blue and pink skirts in the Apparel category.

Catalog filter and attribute dictionary tools

Part 6: Assign catalog filters and verify results

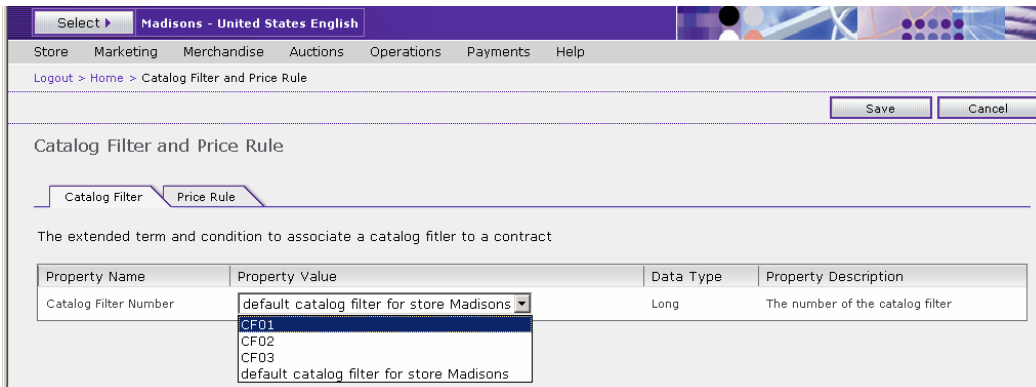In this part of the lab, you will assign and verify the catalog filters you have created.

____ 1.   As a reminder, here are the catalog filters you created.

Filter Name	Description
CF01	Include either white or MapleWear products.
CF02	Include white AND MapleWear products
CF03	Include blue and pink skirts in the Apparel category.

____ 2.   Launch Accelerator using the link provided in the hintsandtips.html **Useful URLs** section.

____ 3.   Select **Madisons** store from the store list.

____ 4.   Select **Merchandise > Catalog Filter and Price Rule**.
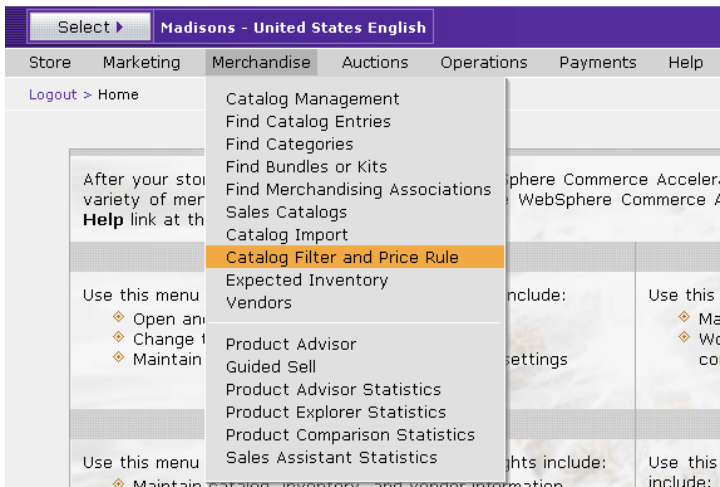
____ 5.   Select and assign **CF01** from the drop down menu of catalog filters. Click **Save**.

____ 6.   Launch the **Madisons** store to verify the results of **CF01**.

Catalog filter and attribute dictionary tools

__ a. Note that both Furniture and Apparel categories appear, since you only included white products and MapleWear products. Since catalog filters search on both defining and description attribute dictionary attributes, the white Colour attribute you assigned to the Fabric sofa gets picked up.

__ b. Navigate to the **Apparel** category. Since all Apparel is manufactured by MapleWear, all subcategories and product entries should be available.
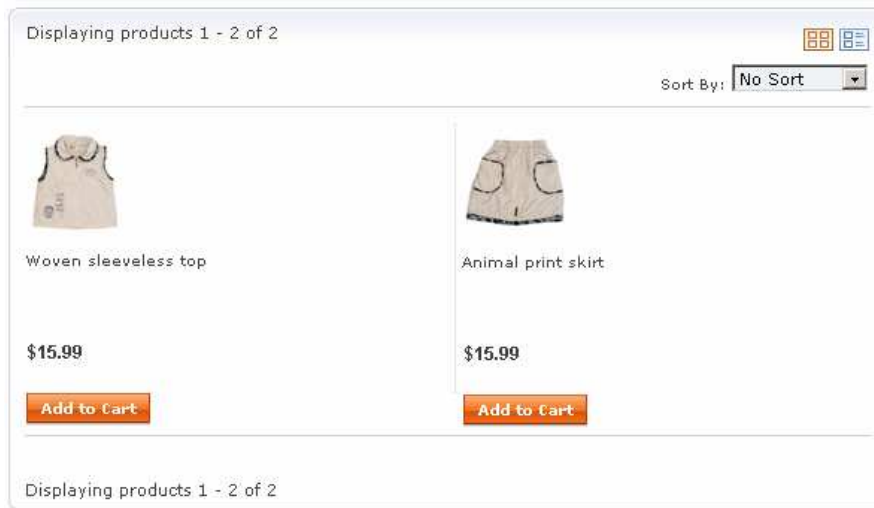

__ c. Try searching for other items from the catalog to ensure that they are excluded.

____ 7. Repeat steps 3-6 to assign catalog filter 2 (**CF02**).

____ 8. Verify results on storefront by re-launching the Madisons store. To ensure you get a fresh session, close all browsers and open the Madisons store again.

Catalog filter and attribute dictionary tools

__ a. Note that again only Apparel appear, but since you only included entries that are both white and is a MapleWear product, only the Girls Dresses and Skirts sub-category appears.

__ b. Navigate to the Apparel category; you should only see the following **white** Apparel product.

__ c. Try searching for other catalog entries to ensure they are excluded.

____ 9.   Repeat steps 3-6 to assign catalog filter 3 (**CF03**).

____ 10.   Verify results on storefront by re-launching the Madisons store. To ensure you get a fresh session, close all browsers and open the Madisons store again.

__ a. Note that only Apparel appears, since you only included products within the Apparel category that are either Blue or Pink.

__ b. Navigate to the **Girls Dresses and Skirts** category.

Catalog filter and attribute dictionary tools

Catalog filter and attribute dictionary tools

Part 7: Upload catalog filter

In this part of the lab, you will create and upload a filter in the new Catalog Filter and Pricing tool to only include pink products and exclude all else.

____ 1.   Create the following two .csv files:

    __ a. Replace the Madisons store and catalog name.

    __ b. **CatalogFilter.csv**

```
CatalogFilter
CatalogFilterId,CatalogFilterName,StoreIdentifier,CatalogIdentifier,Usage,Delete,EnglishDe
scription,FrenchDescription,GermanDescription,ItalianDescription,SpanishDescription,Portug
ueseDescription,SChineseDescription,TChineseDescription,KoreanDescription,JapaneseDescript
ion,RussianDescription,RomanianDescription,PolishDescription
,CF04,<Madisons>,<Madisons>,Buyer,0,Only include pink products,,,,,,,,,,,,,
```

   __ c. **CatalogFilterCatentry.csv**

```
CatalogFilterCatentry
CatalogFilterId,CatalogFilterName,StoreIdentifier,CatalogIdentifier,SelectionType,PartNumb
er,Delete
,CF04,<Madisons>,<Madisons>,Include,MW-0027,0
,CF04,<Madisons>,<Madisons>,Include,MW-0024,0
```

____ 2.   Create an archive (.zip) file from the two .csv files you just created.

____ 3.   Start your WebSphere Commerce application or test server.

____ 4.   Launch Management Center using the URL **https://<WC_HOST>:8000/lobtools**.

____ 5.   Open the **Catalog Filter and Pricing** tool.

____ 6.   Upload catalog filter 4 (**CF04**).

    __ a. Select on the **New > Catalog Filter Upload**.

    __ b. Browse for the archive file that you created.
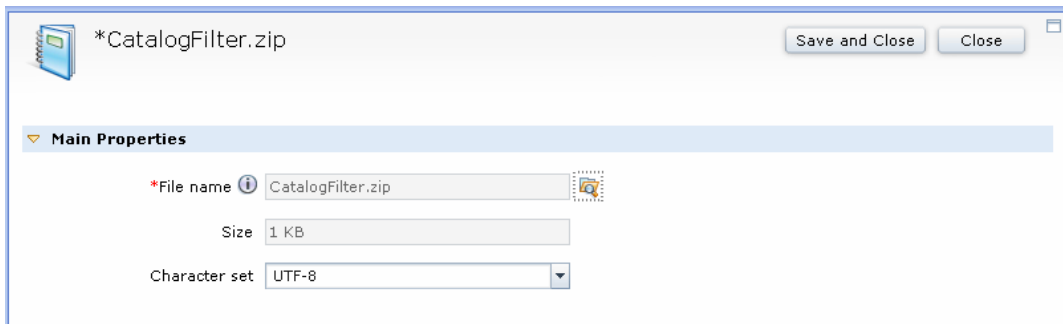
    __ c. Click **Save and Close**.

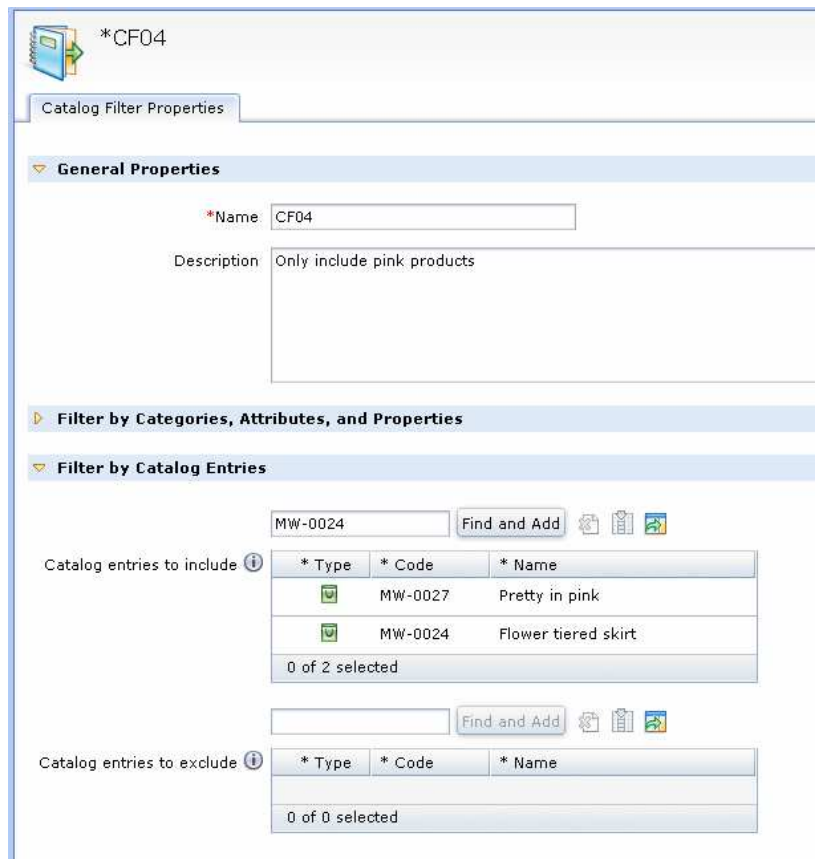____ 7.   Ensure that the upload is successful.
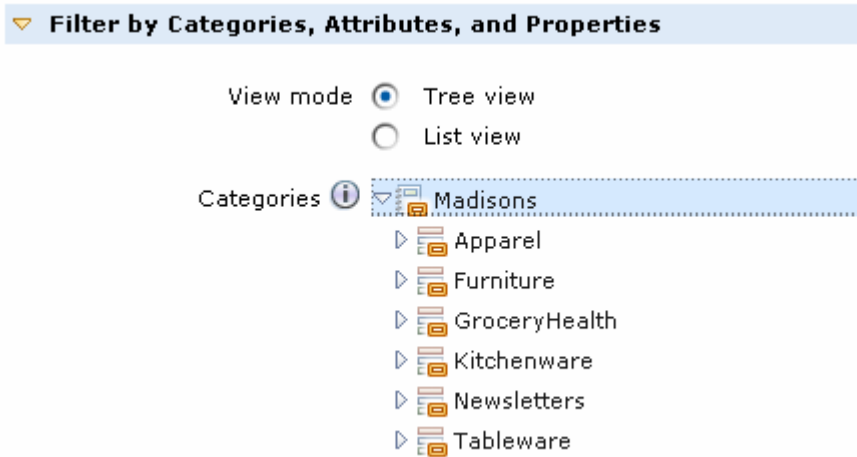
Catalog filter and attribute dictionary tools
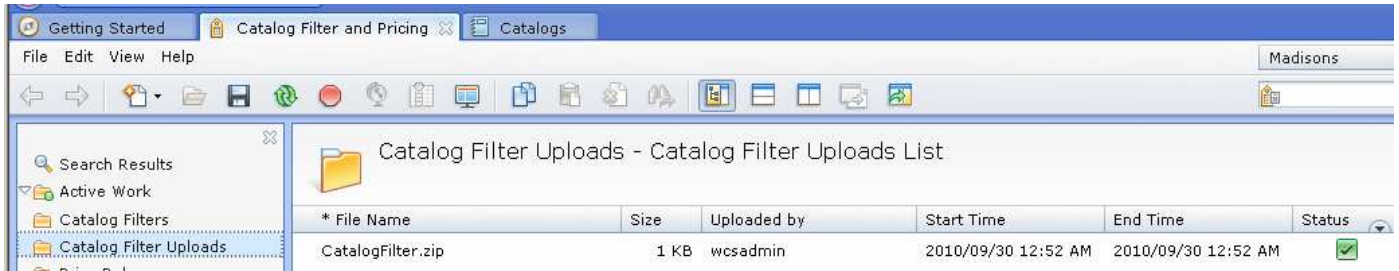
____ 8.   View all Catalog Filters.
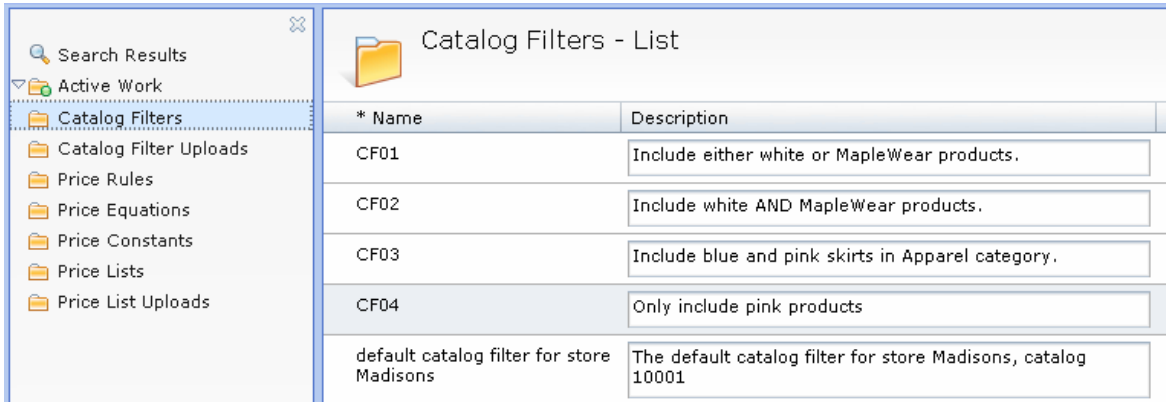
____ 9.   Open and view the CF04 to verify that all pink products are included.

Catalog filter and attribute dictionary tools

____ 10. You need to modify the catalog filter to explicitly exclude everything else so that only the following two pink products are included.

　　　__ a. Open the Filter by Categories, Attributes, and Properties tab

　　　__ b. Exclude the entire Madisons catalog

　　　__ c. Save and close.

▽ **Filter by Categories, Attributes, and Properties**

View mode　◉　Tree view
　　　　　　○　List view

Categories ⓘ ▽ Madisons
　　　　　▷ Apparel
　　　　　▷ Furniture
　　　　　▷ GroceryHealth
　　　　　▷ Kitchenware
　　　　　▷ Newsletters
　　　　　▷ Tableware

Catalog filter and attribute dictionary tools

Part 8: Assign catalog filter and verify results

In this part of the lab, you will assign the uploaded catalog filter to the store and verify the results on the storefront.

____ 1.   Launch Accelerator.

____ 2.   Select **Madisons** store from the store list.

____ 3.   Select **Merchandise > Catalog Filter and Price Rule**.

____ 4.   Select and assign **CF04** from the drop down menu of catalog filters. Click **Save**.

____ 5.   Launch the **Madisons** store to verify the results of **CF04**. Note: If at any time the filter results are not showing up, complete Part 9: Rebuild search index and then check the results again.

__ a. Note that the only pink products in the catalog are the two skirts in **Apparel > Girls Dresses and Skirts**. All other products and categories should be excluded.

Catalog filter and attribute dictionary tools

__ b. Search for other products that should be excluded to ensure that they cannot be found.

Catalog filter and attribute dictionary tools

Part 9: Rebuild the search index

In this part of the lab, you will rebuild the search index in order to pick up the catalog entry filter entries you have uploaded.

____ 1. Preprocess your search index data

　　　__ a. In the WebSphere Commerce Information Center, navigate to the page:

　　　　　1) http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/index.jsp?topic=/com.ibm.commerce.developer.doc/tasks/tsdsearchbuildpre.htm

　　　__ b. Complete the steps described. Some helpful information is below.

　　　　　1) The full-path for the load order configuration file is a directory similar to:

　　　　　　　a) For runtime: `<WC_installdir>\instances\demo\search\pre-processConfig\MC_<master_catalog_id>\DB2`

　　　　　　　b) For toolkit: `<WCDE_installdir>\search\pre-processConfig\MC_<master_catalog_id>\Cloudscape`

____ 2. Build your search index

　　　__ a. In the WebSphere Commerce Information Center, proceed to the page:

　　　　　1) http://publib.boulder.ibm.com/infocenter/wchelp/v7r0m0/index.jsp?topic=/com.ibm.commerce.developer.doc/tasks/tsdsearchbuildindex.htm

　　　__ b. Ensure that your test server is started in Rational Application Developer.

　　　__ c. Complete the steps described.

____ 3. Republish if your server status is not synchronized for Toolkit.

Part 10: What you did in this exercise

In this tutorial, you explored the new catalog filtering and attribute dictionary capabilities in WebSphere Commerce. You were able to work with attributes using the new attribute dictionary tools in the Management Center. After assigning new attributes to products and creating SKUs from them, you were able to verify the new facets in search navigation from the new attributes you assigned. You then created several types of catalog filters using the new Catalog Filter and Pricing tool. Finally, you were able to assign the filters and verify the results on the storefront.

You should now understand how to complete the following tasks:

- Modify attributes in the attribute dictionary

- Assign new attribute dictionary attributes as defining attributes to products

- Create SKUs from attribute dictionary attributes and values

- View new facets in search navigation based on attributes

- Create catalog filters using Catalog Filter Upload in the Catalog Filter and Pricing tool

- Use attribute dictionary attributes and product properties in catalog filters

- Assign newly created dynamic filters in Accelerator

- Verify results on the storefront after filter assignment

Catalog filter and attribute dictionary tools