



Power Apps Canvas App III

Add Compare Screen

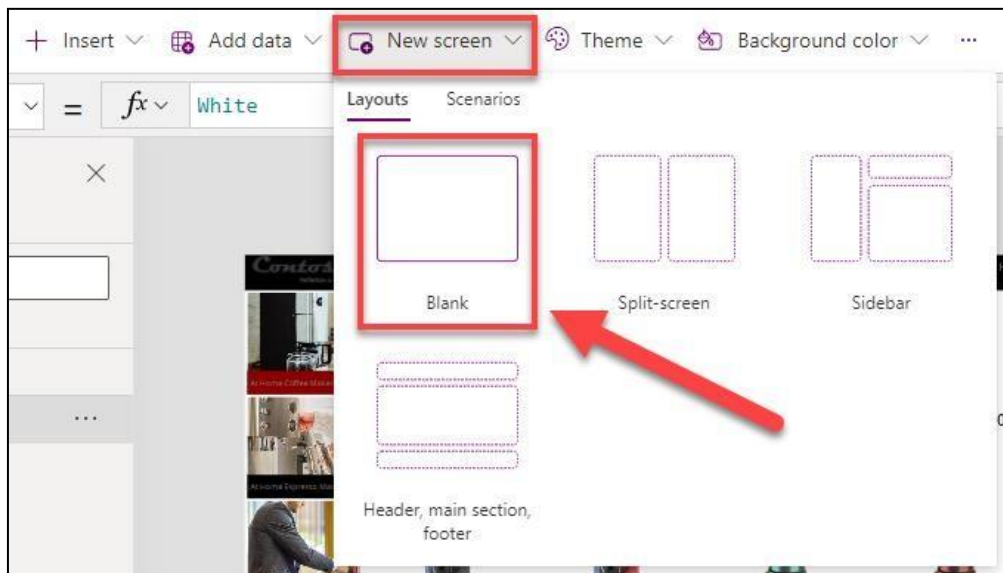
The second screen is where users compare the selected machines and then choose the one they wish to submit for approval. This screen will include:

- A back button for navigation back to the main screen.
- A list of selected machines for comparison (carried over from the main screen).
- Additional details for each machine.
- Highlighting the selected machine

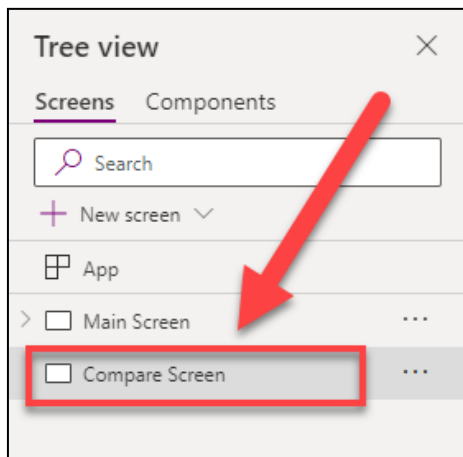
In a subsequent lab, you will create the database tables to store the machine orders and add an edit form to this screen to enter additional information and submit the request.

Task 1: Add screen

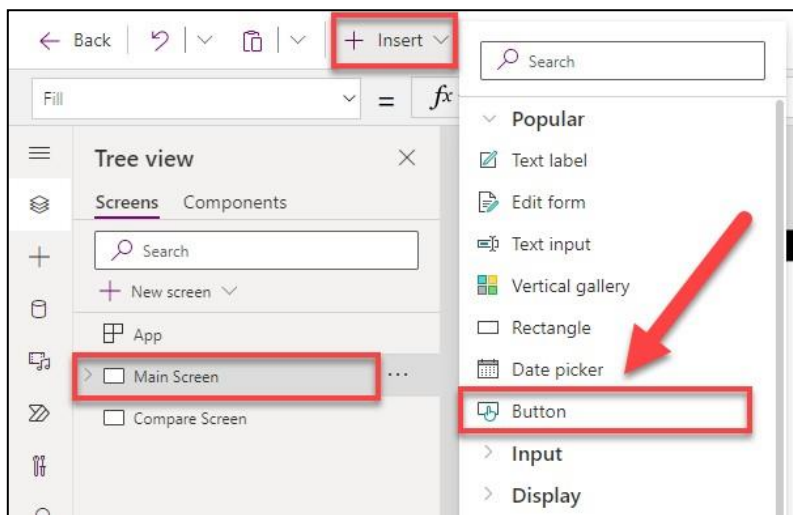
1. From the ribbon select **New Screen** and then choose **Blank**.



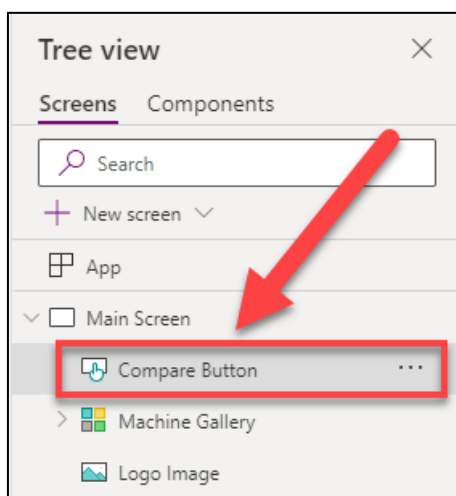
2. In the Tree view pane, select the **ellipses (...)** to the right of the **new screen** that was added. Select **Rename** from the options menu and change the name of the new screen to **Compare Screen**.



3. Within the Tree view, select the **Main Screen**, choose **+ Insert** from the ribbon at the top of the screen, expand the **Popular** group, and then select **Button**.

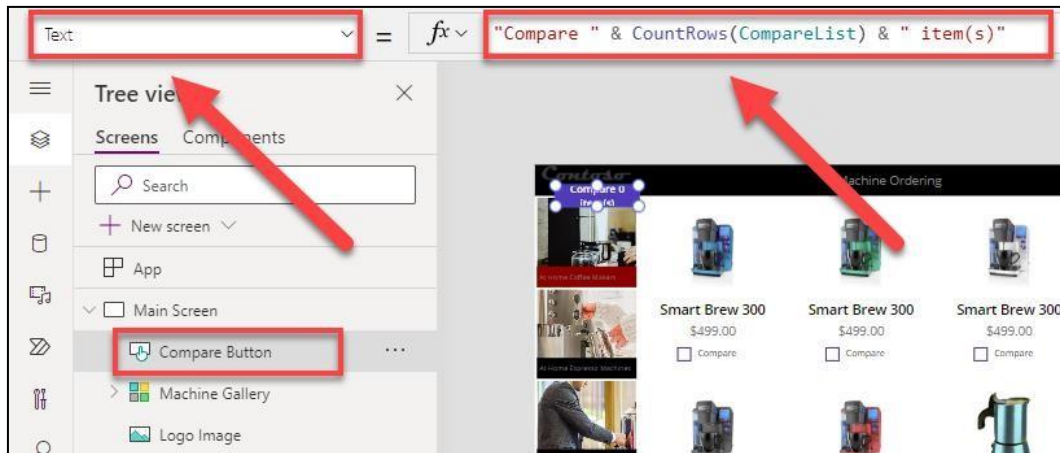


4. Within the **Tree view** to the left of the screen, select the **ellipses (...)** next to the newly added button under the **Main Screen**. Select the **Rename** option and change the name of the button to **Compare Button**.

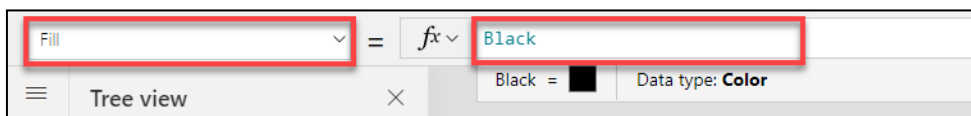


5. Select the **Compare Button** from the **Tree view** to the left of the screen.
6. Set the button's **Text** property value to the formula below by typing in the formula bar at the top of the screen:

"Compare " & CountRows(CompareList) & " item(s)"



7. Set the **Fill** property value of the **Compare Button** to **Black**.



8. Set the **Width** property value of the **Compare Button** to **220**.

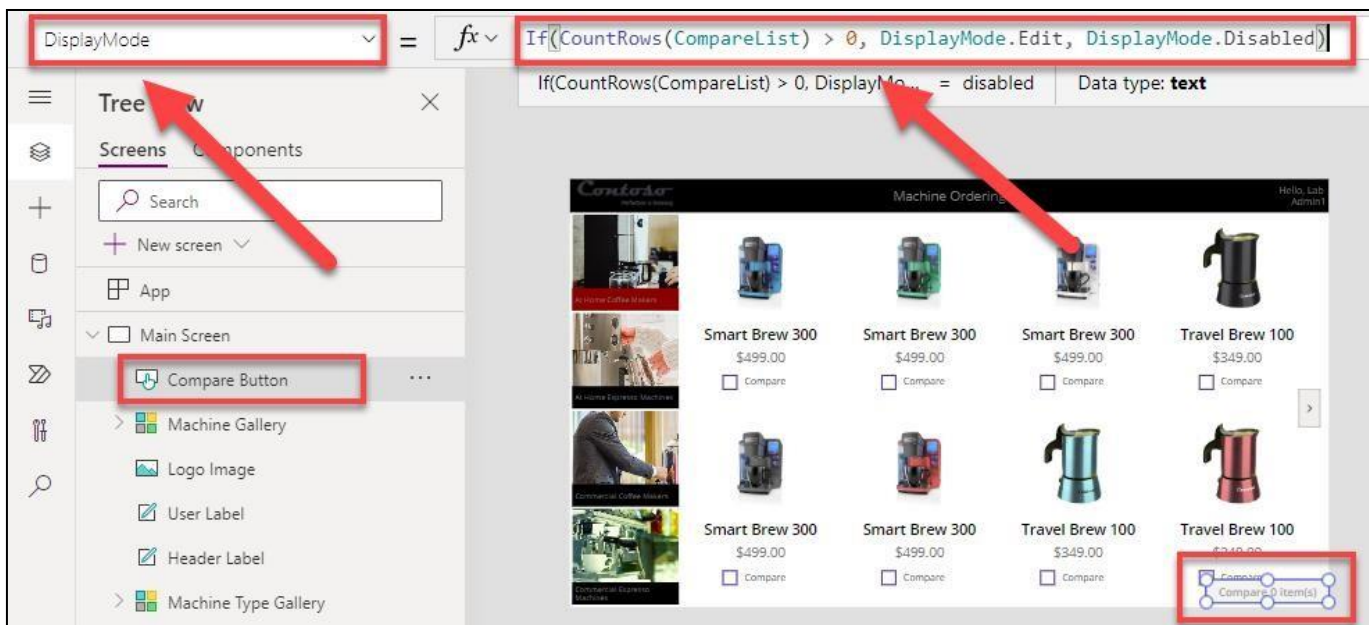
9. Set the **Height** property value of the **Compare Button** to **40**.

10. Set the **X** property value of the **Compare Button** to **1140**.

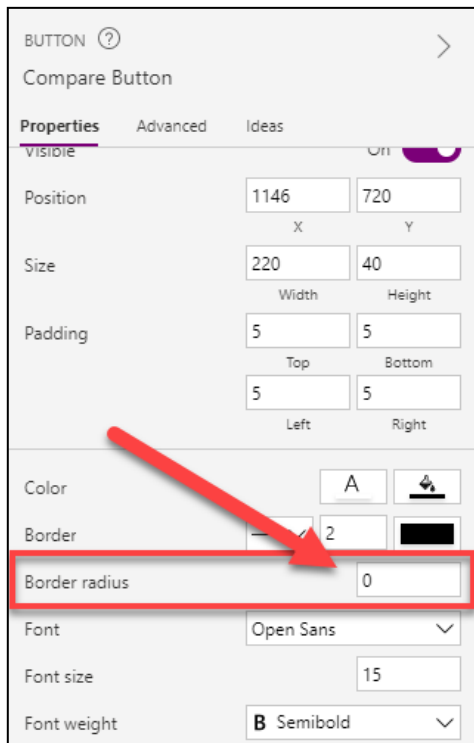
11. Set the **Y** property value of the **Compare Button** to **720**.

12. Set the **DisplayMode** of the **Compare Button** to the formula below. This formula will disable the button if there are no items selected and enable it if at least one item is selected:

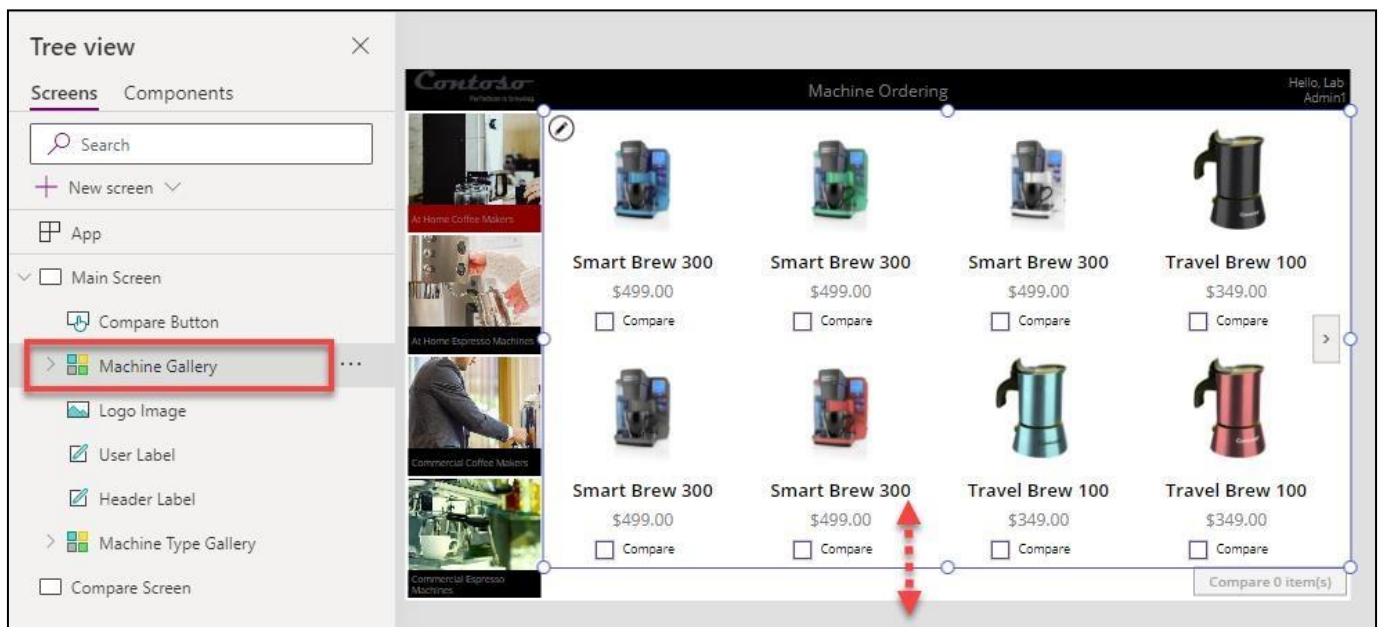
`If(CountRows(CompareList) > 0, DisplayMode.Edit, DisplayMode.Disabled)`



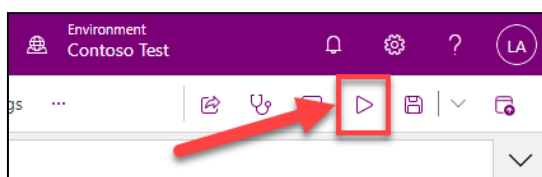
13. Select the **Compare Button** in the Tree view pane to the left of the screen, go to the **Properties** tab within the **Compare Button** pane to the right of the screen and set the **Border radius** to **0** to remove the rounded edge of the button.



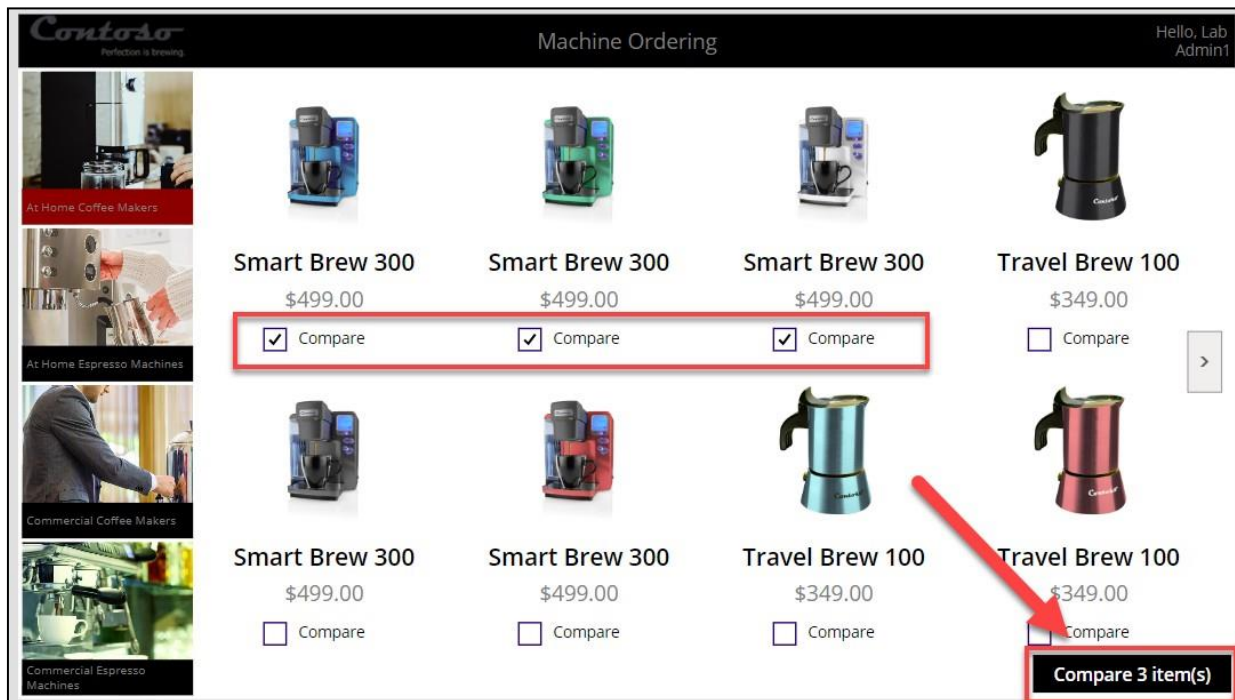
14. Select the **Machine Gallery** from the Tree view pane to the left of the screen and **resize** the Machine Gallery within the canvas so that the Compare Button does not overlap with the Compare Checkboxes.



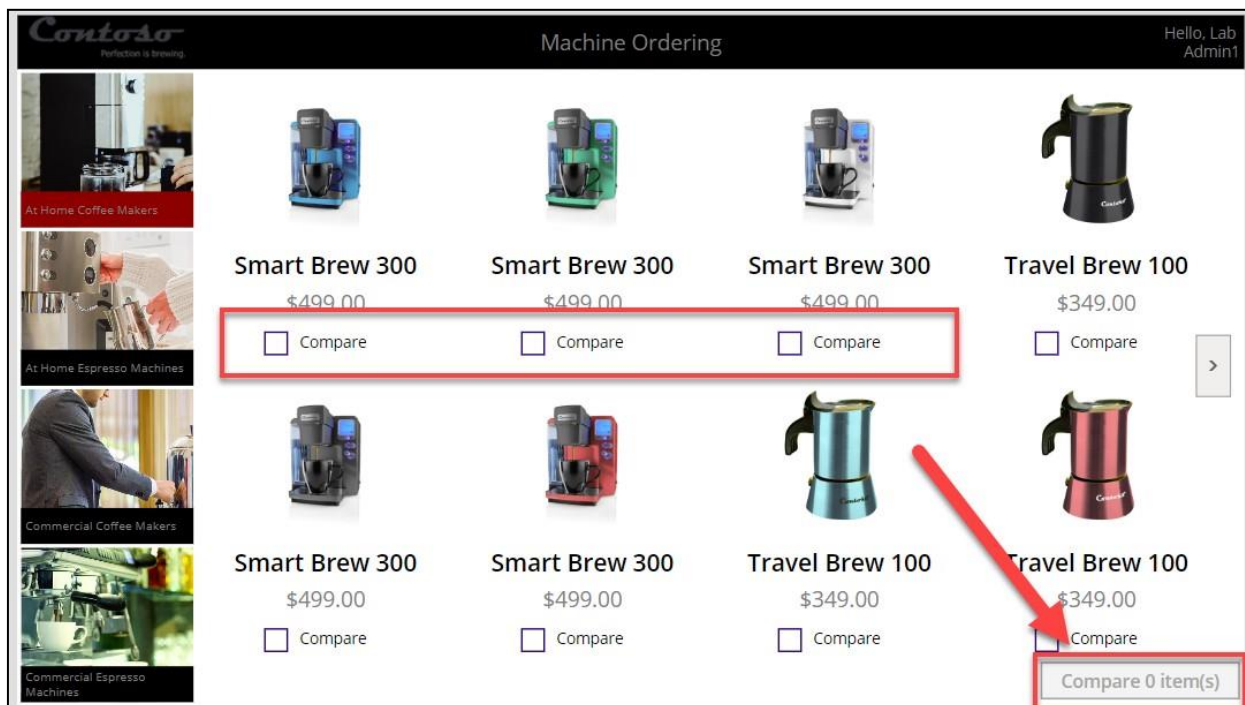
15. Next, select the **Preview mode** button located within the ribbon in the top right corner of the screen.



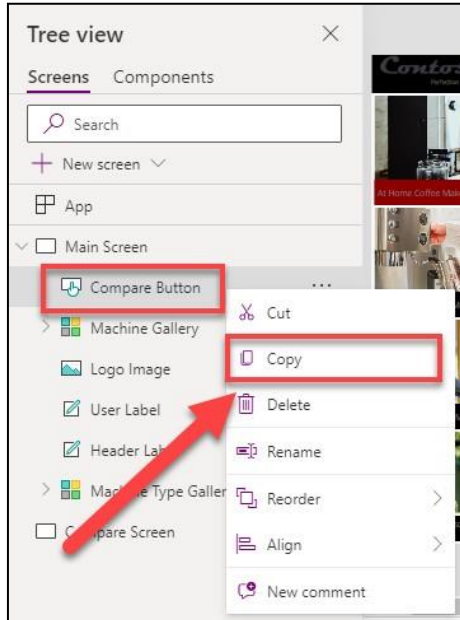
16. Select a few different machines within the Preview mode. Notice that as the machines are selected, the Compare Button changes to a **Black** fill color and the number of items selected in the Compare Button changes.



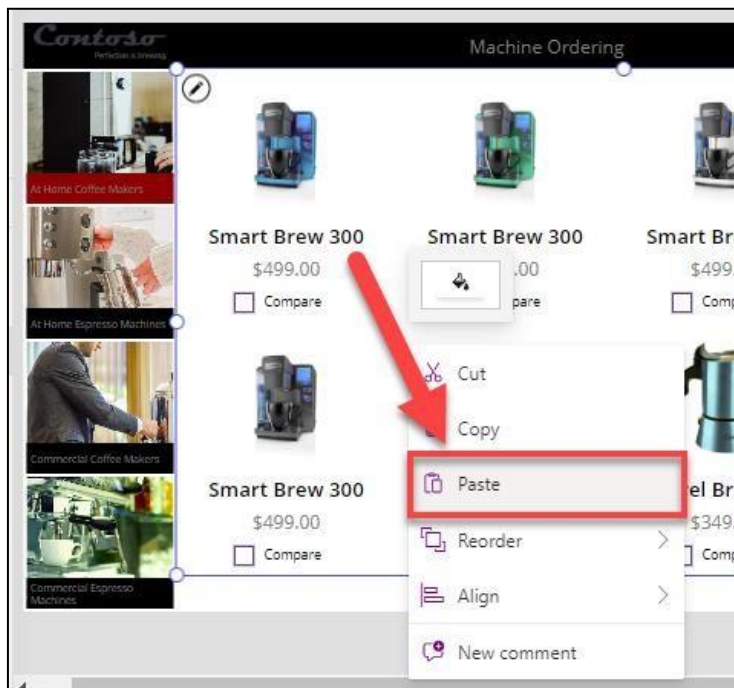
17. **Unselect** all machines – notice the Compare Button changes back to a gray fill color and the number of items selected changes back to 0. Select the **X** in the top right corner to **close** out the Preview mode and navigate back to the canvas.



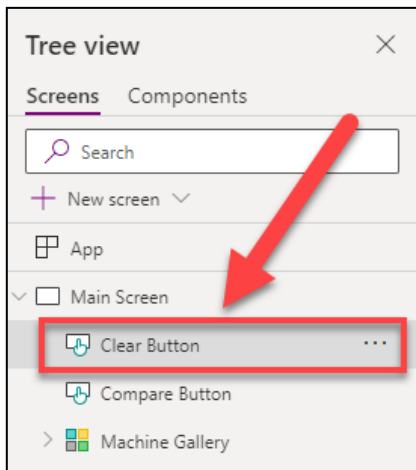
18. Select the **Compare Button** within the Tree view pane to the left of the screen. Right-click on the Compare button and from the menu, select **Copy (Ctrl-C)**.



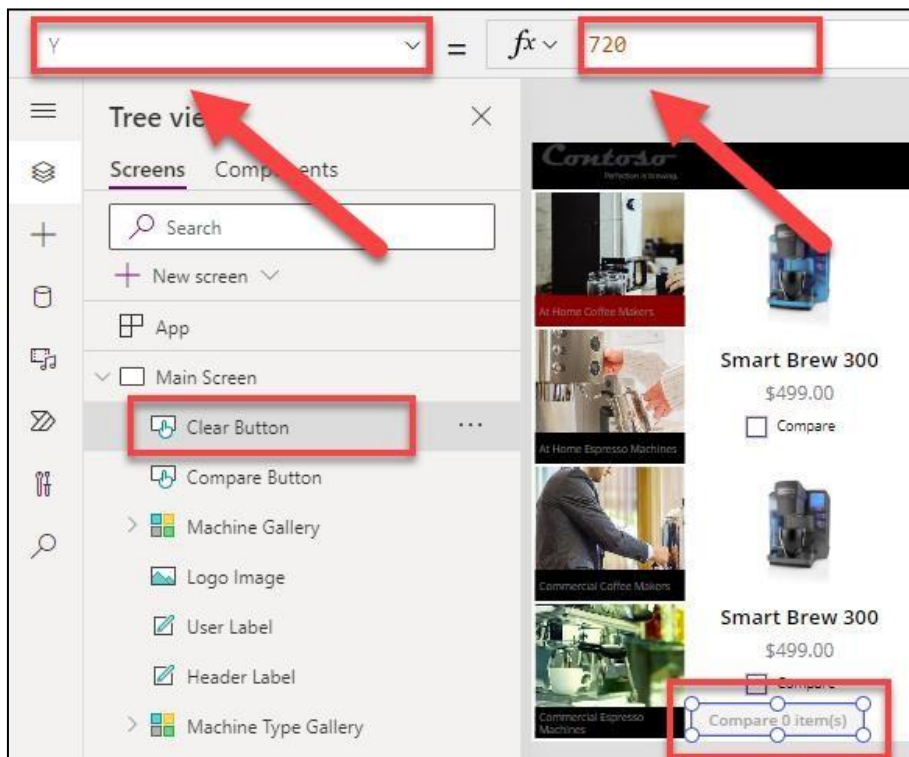
19. Next, right-click in the white space of the **Main Screen** canvas. From the menu, select the option to **Paste (Ctrl-V)**.



20. Within the **Tree view** pane to the left of the screen, select the **ellipses (...)** next to the newly added button, and from the options menu, select **Rename**. Change the name of the button to **Clear Button**.

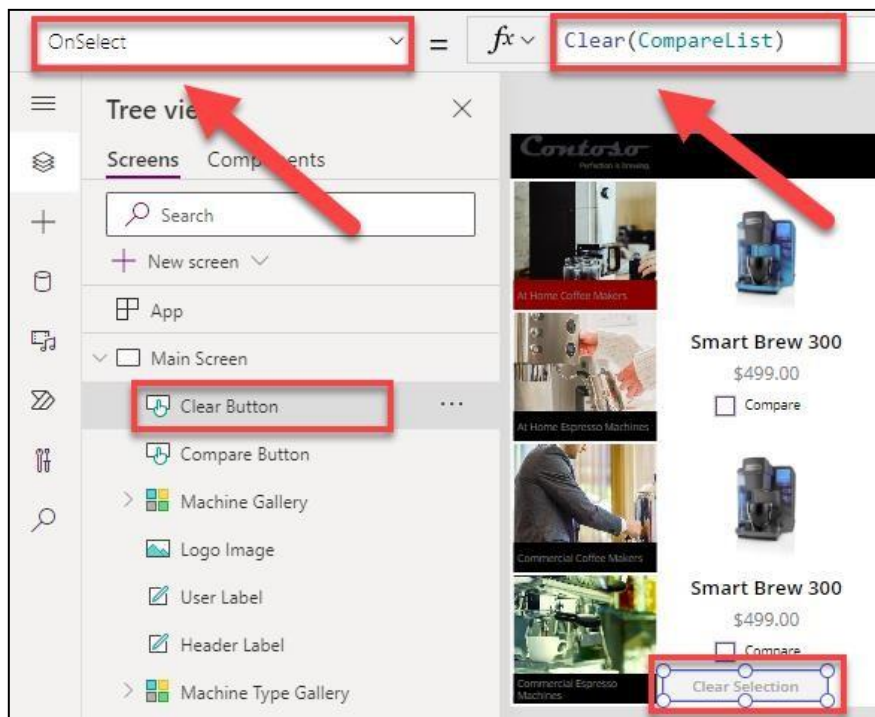


21. Set the **X** property value of the **Clear button** to **205**.
22. Set the **Y** property value of the **Clear button** to **720**.



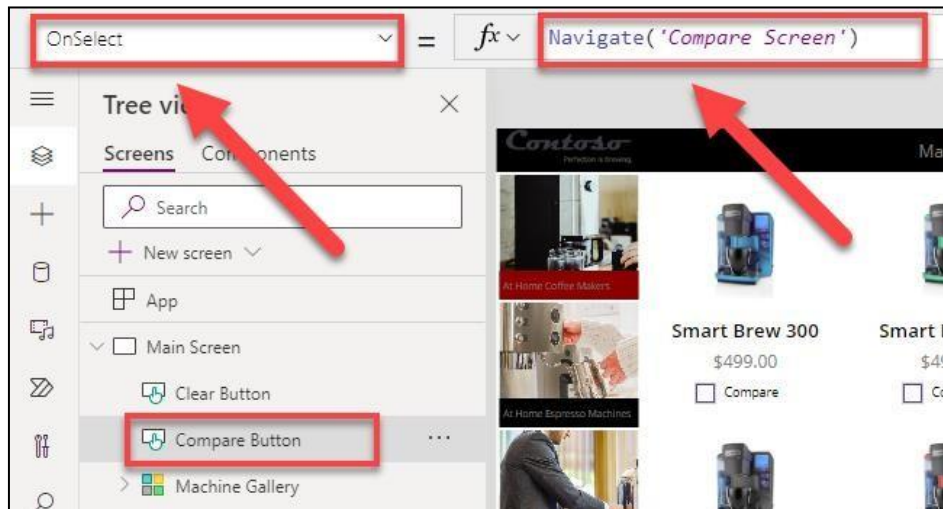
23. Change the **Text** property value of the Clear Button to **"Clear Selection"**.
24. Set the **OnSelect** value of the **Clear Button** to the formula below. This formula will remove all the items in the CompareList collection:

Clear(CompareList)

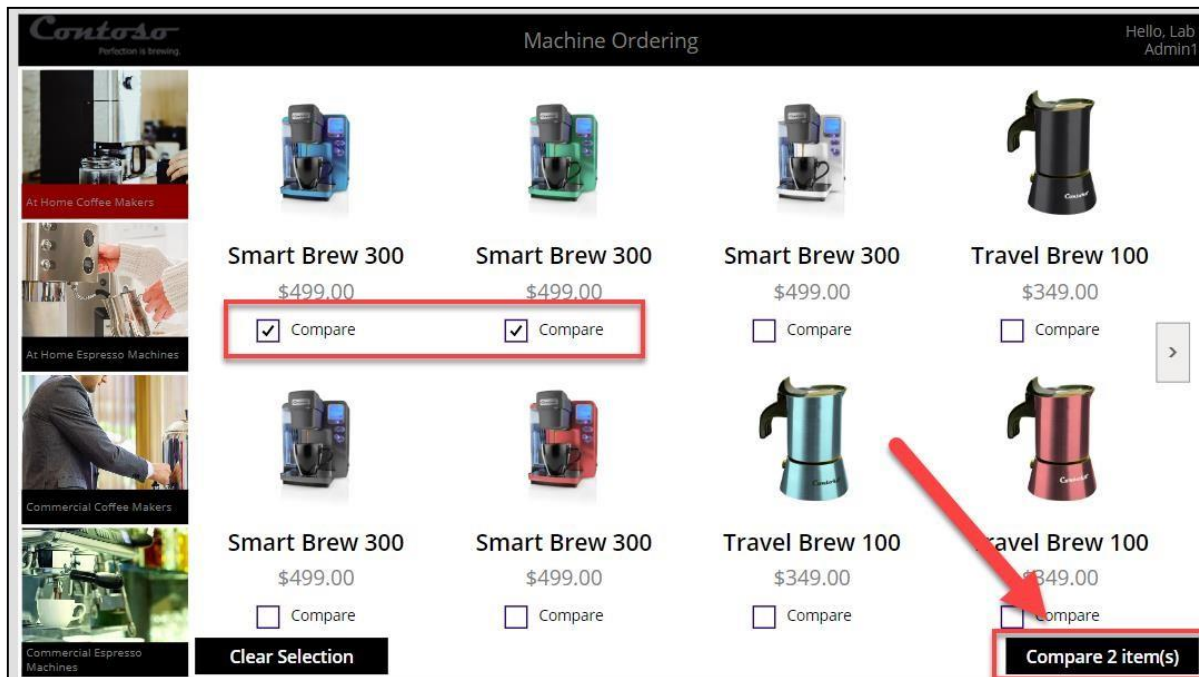


25. Select the **Compare Button** in the Tree view pane to the left of the screen, and change the **OnSelect** value to the formula below:

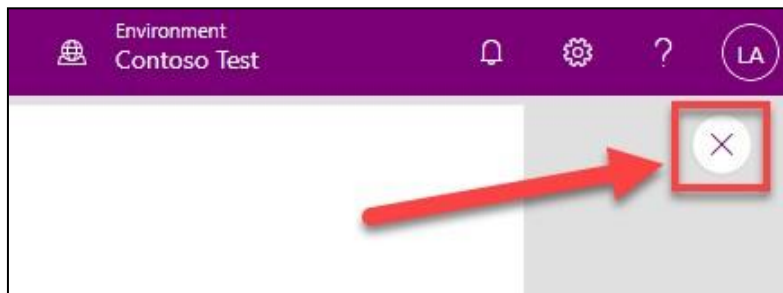
`Navigate('Compare Screen')`



26. Select the **Preview mode** button within the ribbon to the top right of the screen.
 27. Select a couple of machines and select the **Compare** button and verify that it takes you to the second screen.

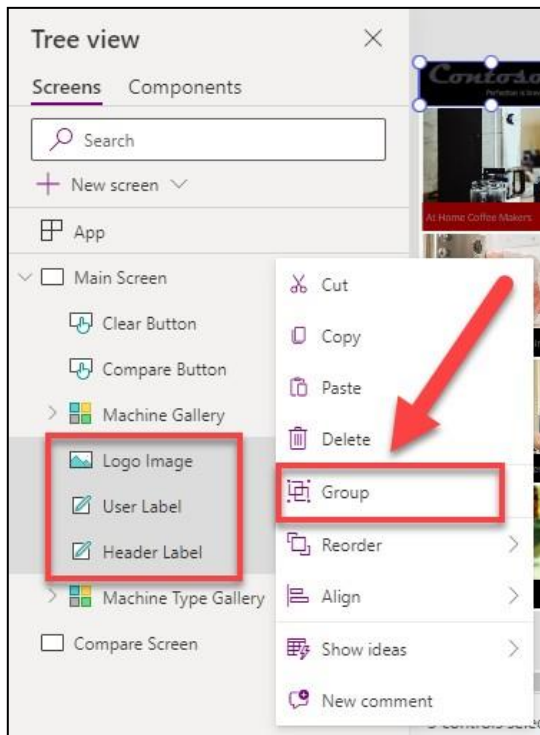


28. You should navigate to the new empty screen. Close the preview by selecting the X in the top right corner of the screen.



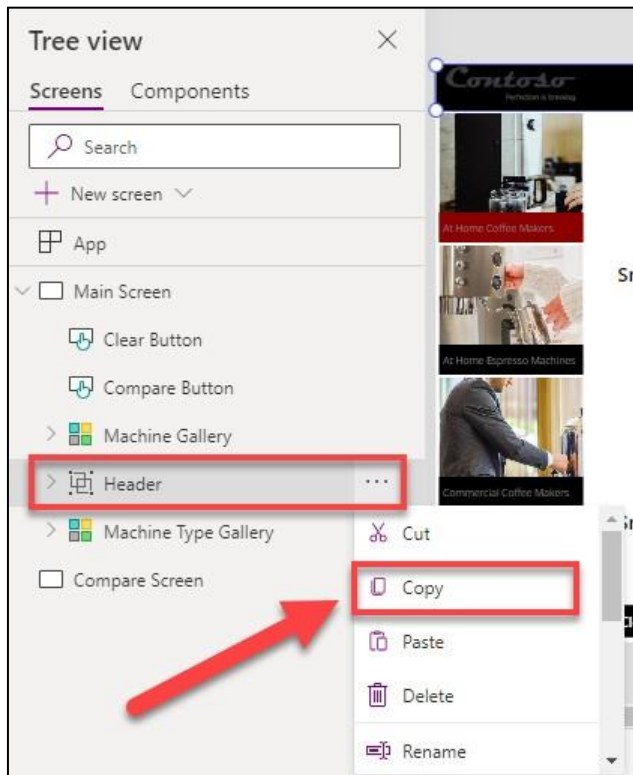
29. Select the **Main Screen** in the **Tree view** pane to the left of the screen.

30. Multi-select the **User Label**, **Header Label**, and **Logo Image** by holding down the **Ctrl** key on your keyboard. Then, right-click and select **Group** from the options.

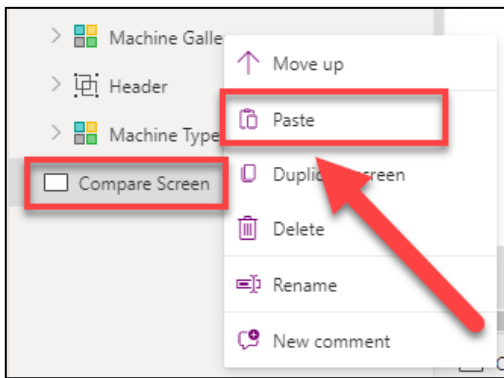


31. Select the **ellipses** (...) to the right of the newly added Group. Rename the group to **Header**.

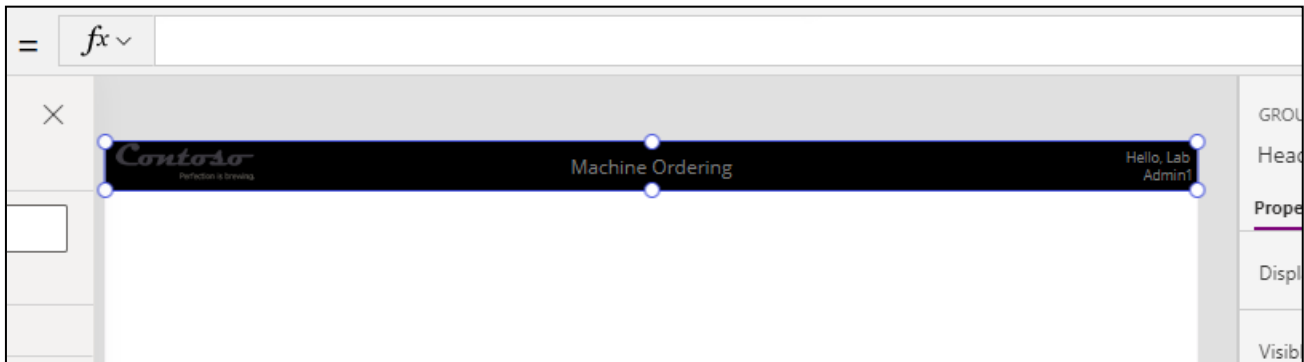
32. Select the **ellipses** (...) to the right of the **Header** and select **Copy**.



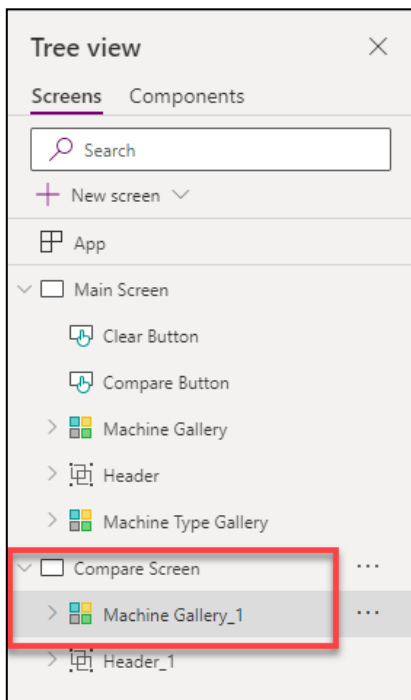
33. Right-click on the **Compare Screen** in the Tree view pane to the left of the screen and select **Paste**.



34. The **Header** within the **Compare Screen** should look like the figure below:



35. Using the same steps as previously, copy **Machine Gallery** from the **Main Screen** and paste it in the **Compare Screen**.



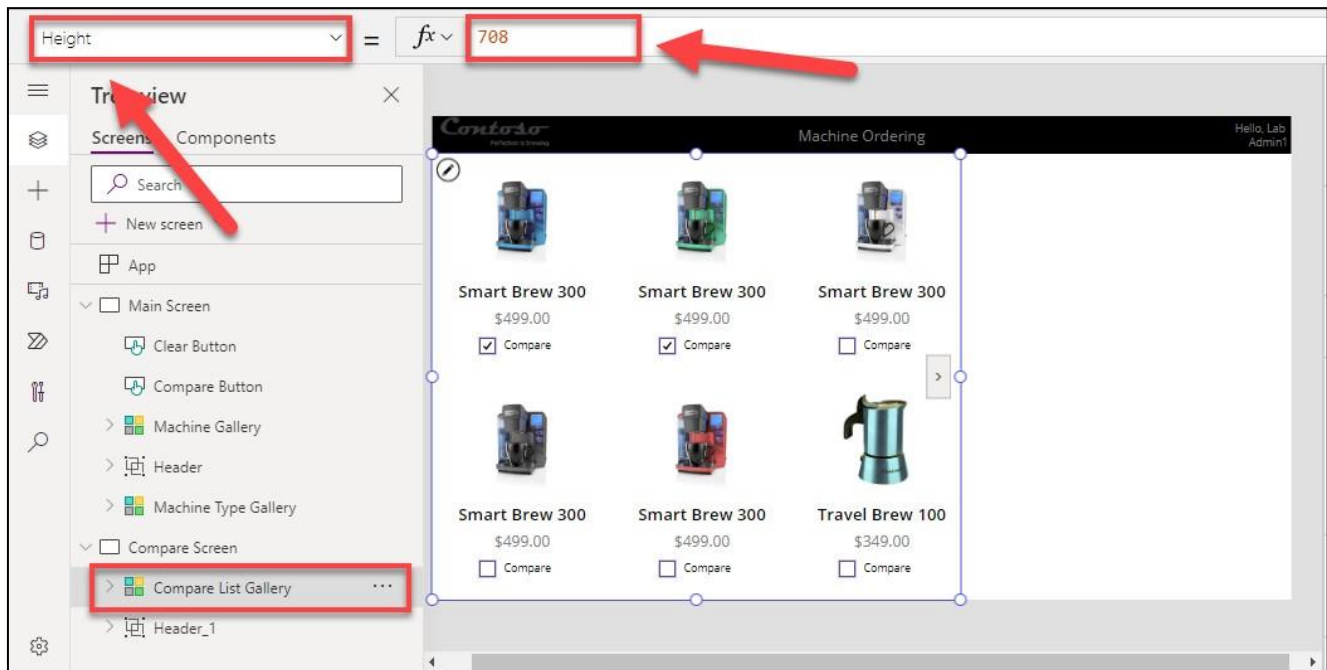
36. **Rename** the **gallery** within the **Compare Screen** to **Compare List Gallery**.

37. Set the **X** property value of the **Compare List Gallery** to **0**.

38. Set the **Width** property value of the **Compare List Gallery** to **840**.

39. Set the **Height** property value of the **Compare List Gallery** to **708**.

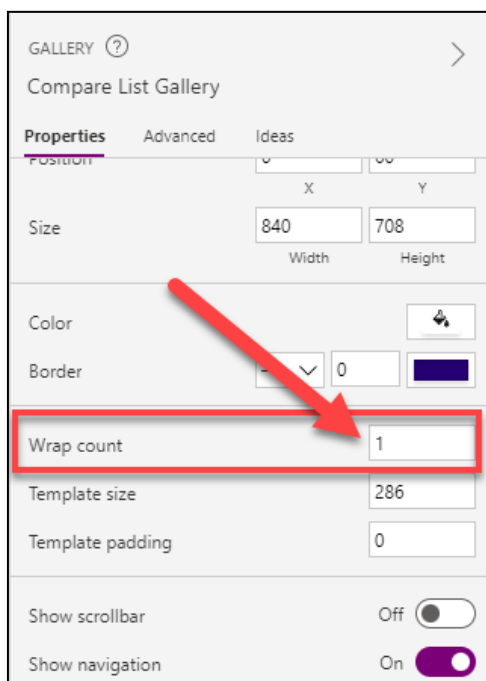
40. The gallery should now look like the figure below:



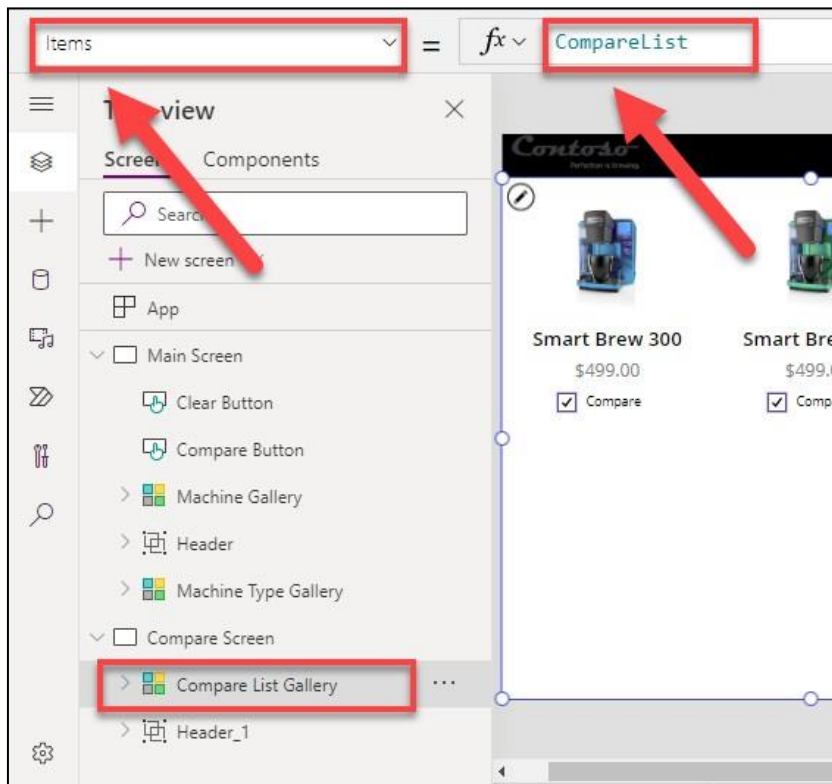
Task 2: Configure the gallery

In this task, you will configure the gallery to show machines that were selected from the comparison gallery on the Main Screen.

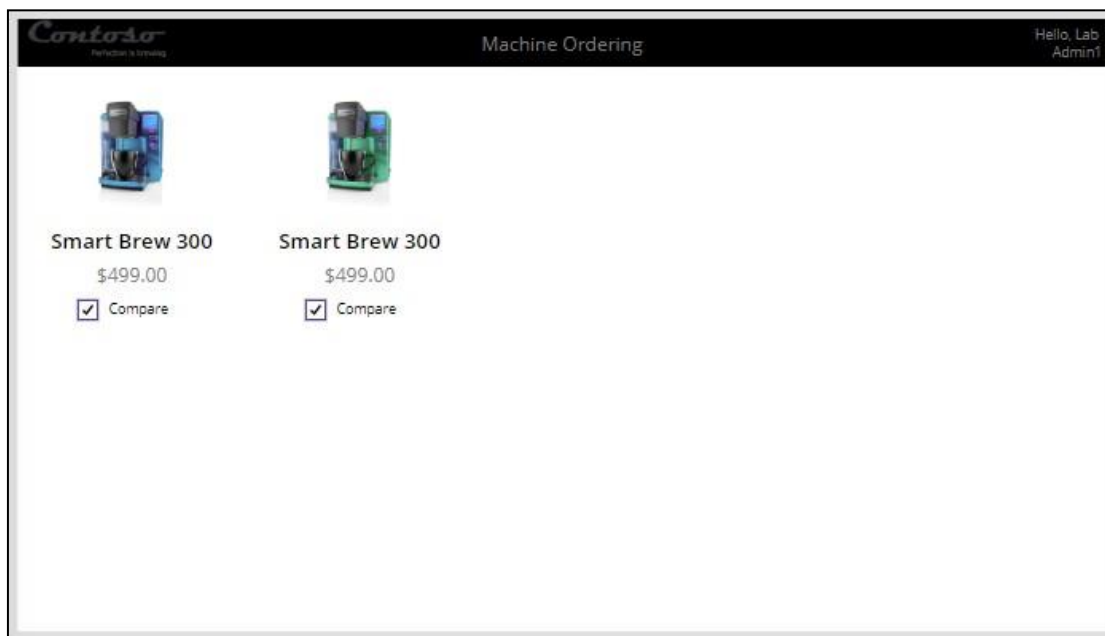
1. Select the new **Compare List Gallery** within the Tree view pane to the left of the screen.
2. In the **Compare List gallery pane** to the right of the screen, go to the **Properties** tab and change the **Wrap count** to 1.



3. With the **Compare List Gallery** selected change the **Items** property value of the **Compare List Gallery** by typing in the formula bar at the top of the screen. Set the new **Items** property value to **CompareList**.



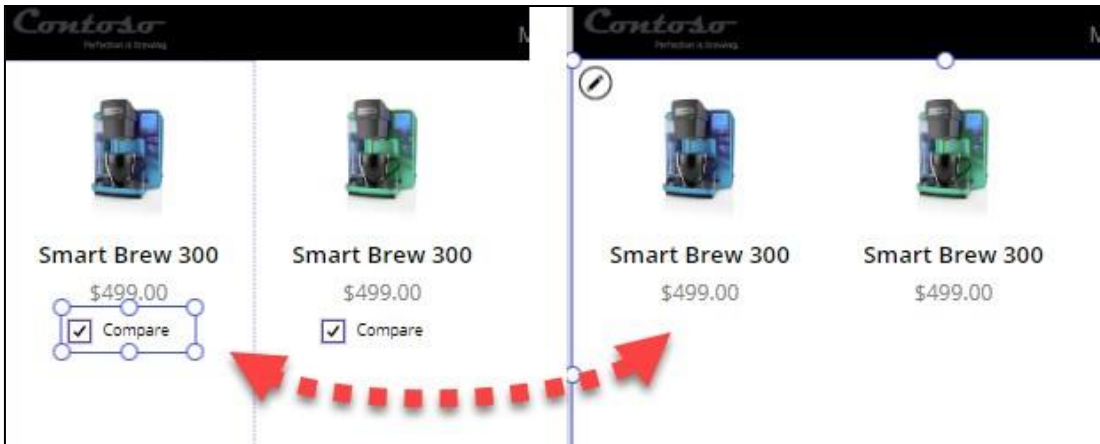
4. The gallery will now show the selected items from the Main Screen.



Task 3: Remove and add controls to the gallery

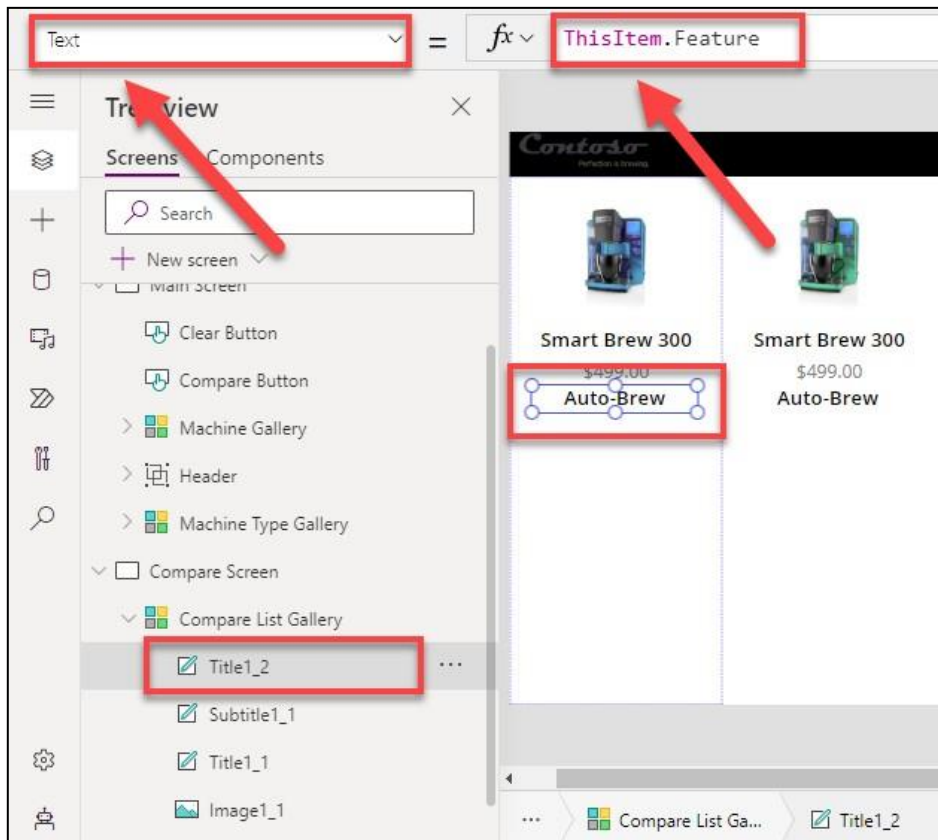
In the **Compare Screen** we are selecting a given item to get approved, so we do not need a Compare checkbox.

1. Select the **Compare** checkbox, within the Compare Screen, on the left most template cell and press the **Delete** key on your keyboard to **delete the checkbox**.

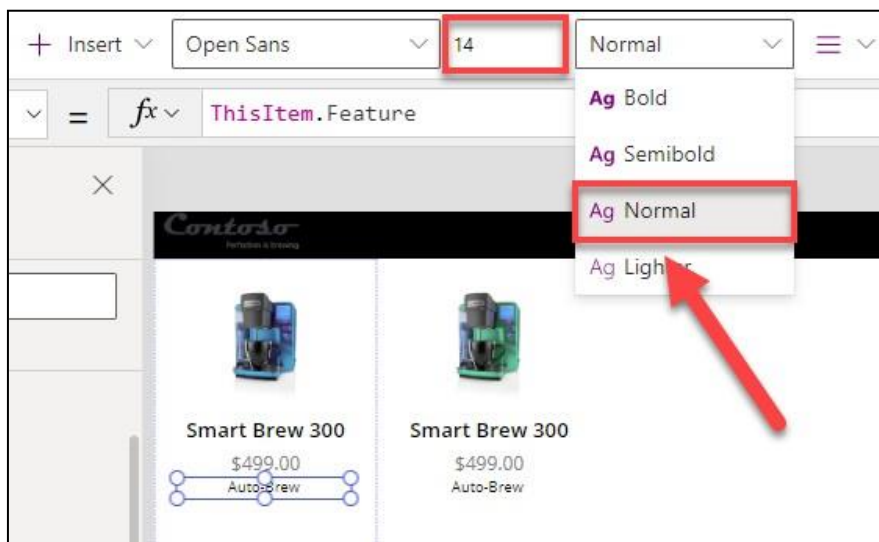


2. Now let's add a few labels to display additional attributes about the machine. A good way to do this is to copy and paste. Select the first title label within the **Compare List Gallery** that is displaying the machine name. Copy (Ctrl-C) and paste it (Ctrl-V) to itself within the Compare List Gallery. **Rename** these labels as you go for ease of use later.
3. Set the **X** property value of the newly added **Title** label to **30**.
4. Set the **Y** property value of the newly added **Title** label to **280**.
5. Set the **Text** property value of the newly added **Title** label to the formula below:

`ThisItem.Feature`

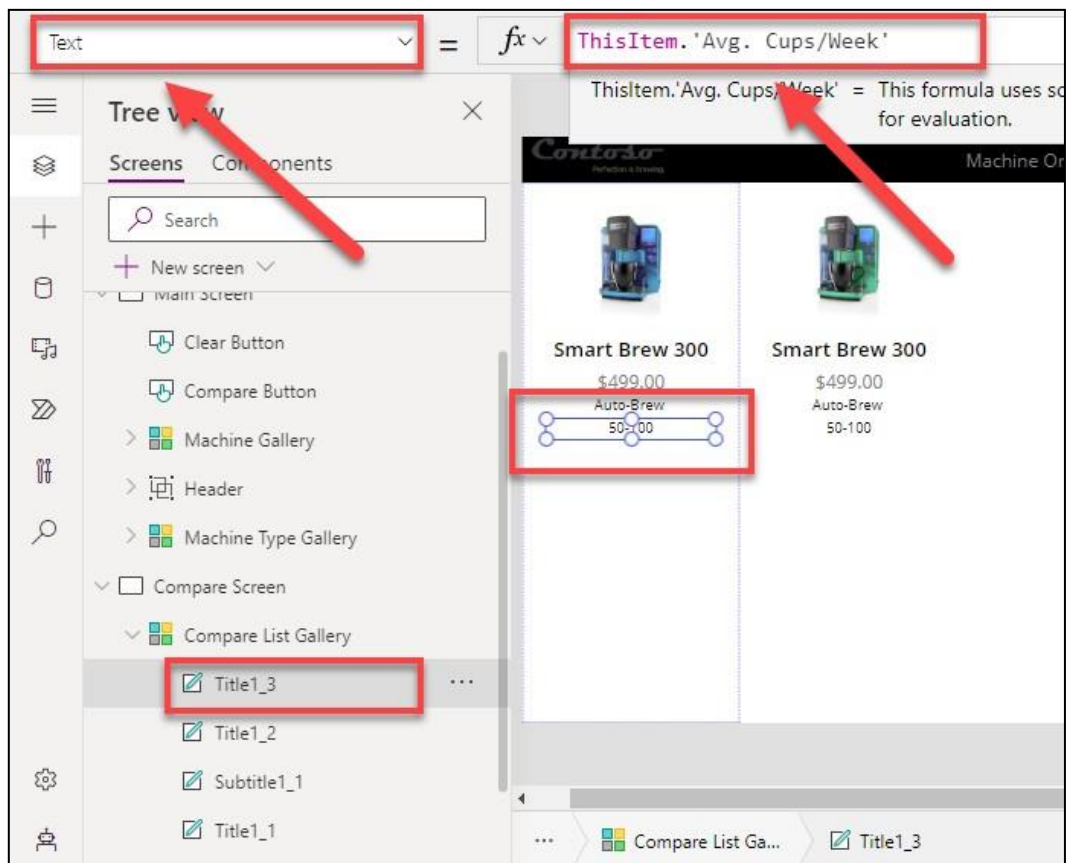


6. Using the ribbon at the top of the screen, change the **font weight** from **Semibold** to **Normal** and change the **Size** property to **14**.



7. **Copy** and **paste** this title label to itself, just as we did previously.
8. Set the **X** property value of the newly added **title label** to **32**.
9. Set the **Y** property value of the newly added **title label** to **310**.
10. Set the **Text** property value of the newly added **title label** to the formula below:

`ThisItem.'Avg. Cups/Week'`



11. Next, we will repeat the previous steps to add in a label with the information of the average espressos per week for each machine selected and shown in the Compare Screen. Start by selecting the **Compare List Gallery** within the Tree view pane to the left of the screen.
12. **Copy** one of the title labels within the **Compare List Gallery** in the Tree view pane. Then, **paste** the label to itself to add in another title label to the Compare List Gallery.
13. Set the **X** property value of the newly added **label** to **32**.
14. Set the **Y** property value of the newly added **label** to **340**.
15. By typing in the **formula bar**, set the **Text** value of the **label** to the formula below to retrieve the information on the average espressos per week for each machine being compared:

$$\text{ThisItem.'Avg. Espressos/Week'}$$
16. The newly added label should appear as it does in the figure below:



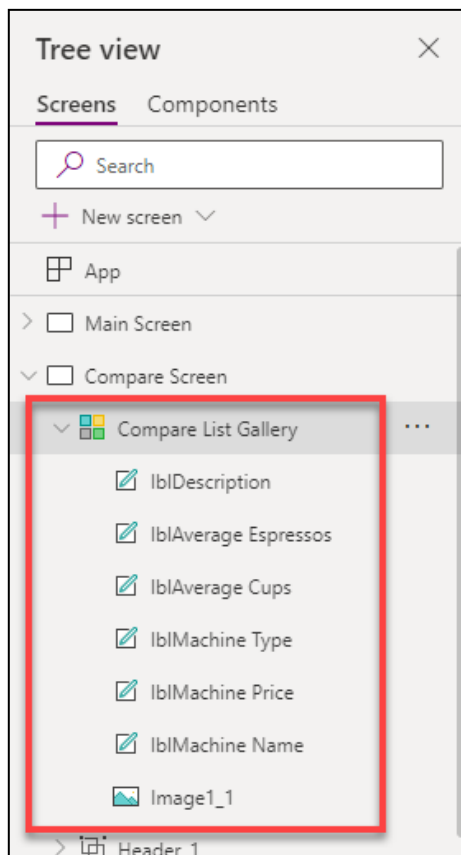
17. Next, let's add in a **description** for each of the machines selected and shown in the Compare List Gallery.
18. With the **Compare List Gallery** selected within the Tree view pane to the left of the screen, **copy** one of the **title labels** within the Compare List Gallery.
19. **Paste** the copied **title label** onto itself to generate a new title label within the Compare List Gallery.
20. Set the **X** property value of the newly added **label** to **32**.
21. Set the **Y** property value of the newly added **label** to **370**.
22. By typing in the **formula bar**, set the **Text** value of the newly added **label** to the formula below. This will provide each machine selected and shown in the Compare List Gallery with a **description** of that specific machine:
`ThisItem.Description`
23. The newly added label should appear as it does in the figure below:



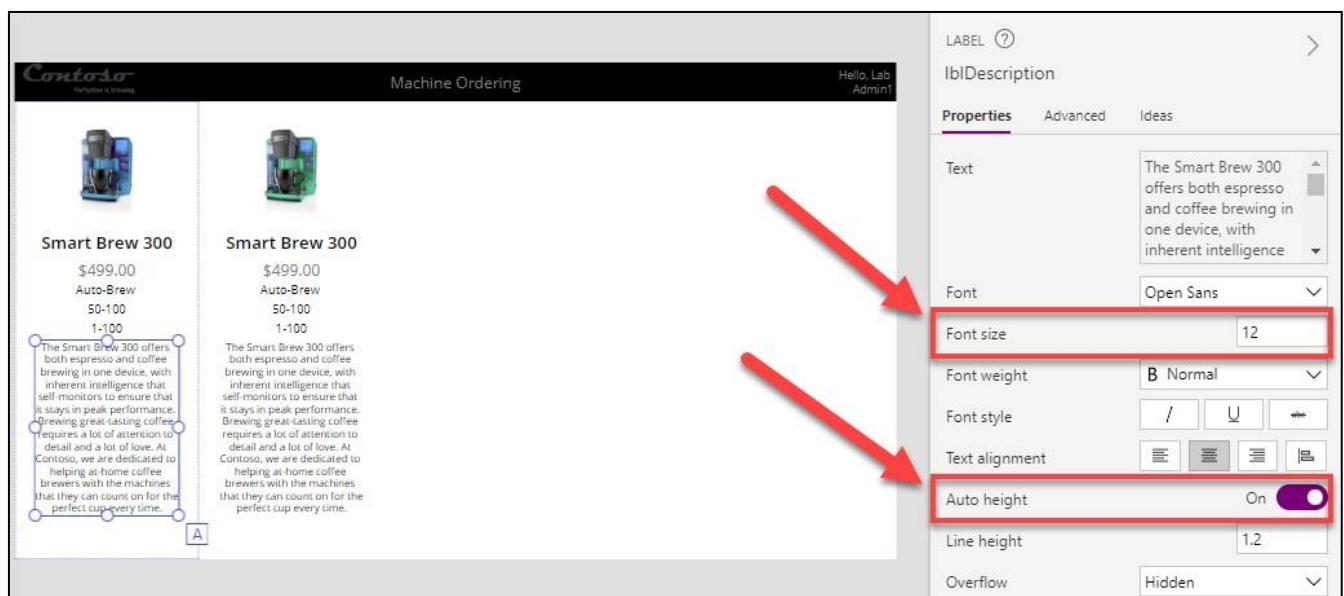
24. Rename each of the titles and labels within the Compare List Gallery in the Tree view pane to a more appropriate name. To **rename**, select the **ellipses (...)** to the right of each label, then select **Rename** from the list of options.

Title1_1	lblMachine Name
Subtitle1_1	lblMachine Price
Title1_2	lblMachine Type
Title1_3	lblAverage Cups
Title1_4	lblAverage Espressos
Title1_5	lblDescription

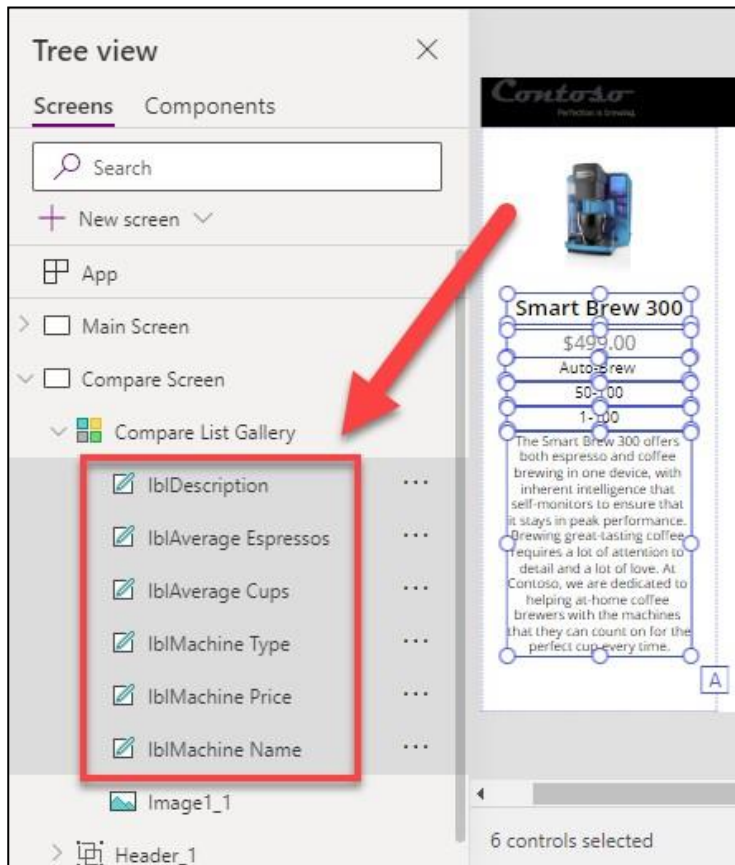
25. The Compare List Gallery within the Tree view pane should appear as it does in the figure below:



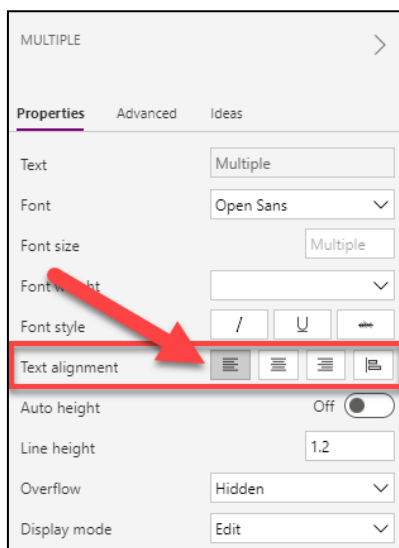
26. Select the **Description** label within the Compare **List Gallery** from the **Tree view** pane to the left of the screen.
27. From the **Description** pane to the right of the screen, under the **Properties** tab, change the **Font size** to **12**.
28. While still in the **Properties** tab of the **Description** pane, turn **on** the **AutoHeight**.



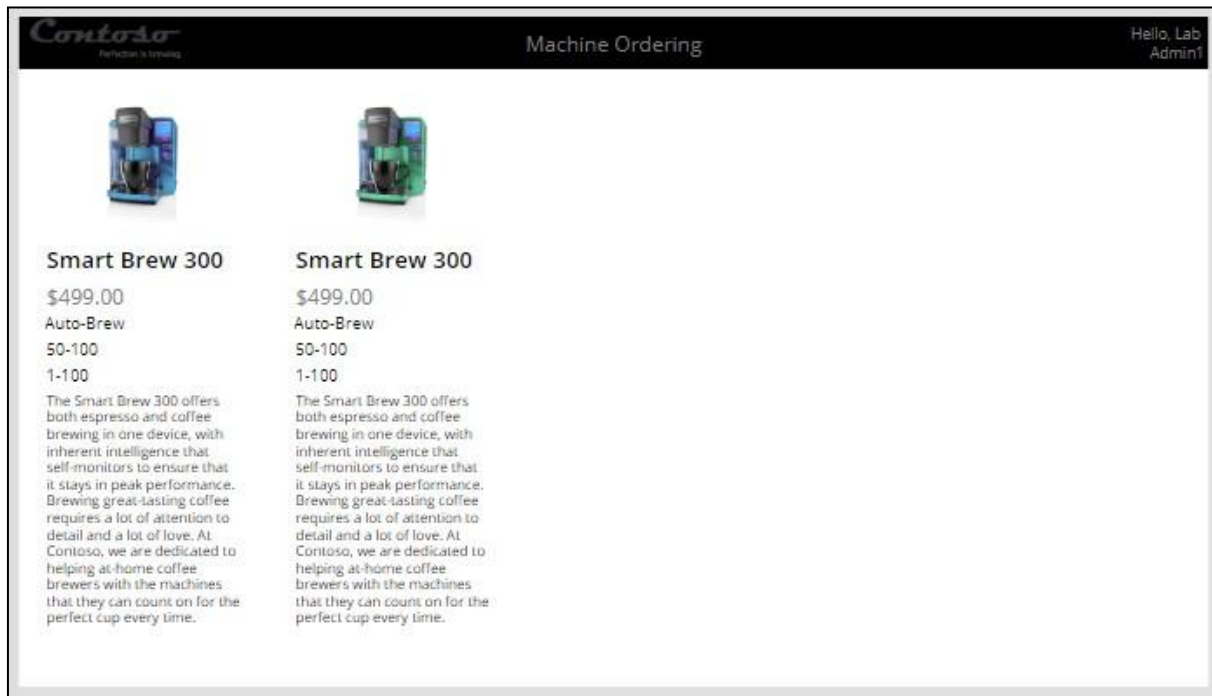
29. Next, select all the **labels** within the **Compare List Gallery**. Hold down the **Ctrl** key on your keyboard to **multi-select**.



30. Go to the **Properties** pane and set the **Text alignment** to **Align left**.



31. The gallery should now look like the figure below:

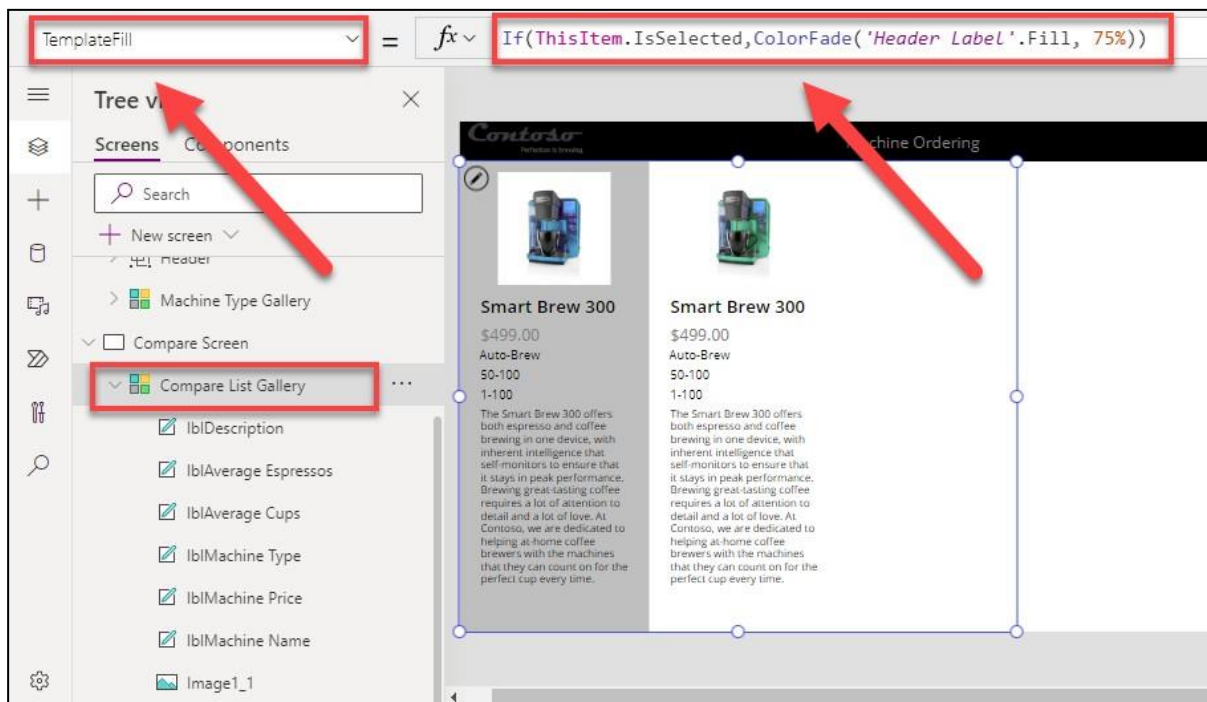


Note: For this lab, to save time you may add one or two of these additional properties and skip adding all the additional machine properties.

Task 4: Highlight the selected machine

1. Select the **Compare List Gallery** from the Tree view pane to the left of the screen.
2. With the whole gallery selected, set the **TemplateFill** property to the formula below:

```
If(ThisItem.IsSelected,ColorFade('Header Label'.Fill, 75%))
```



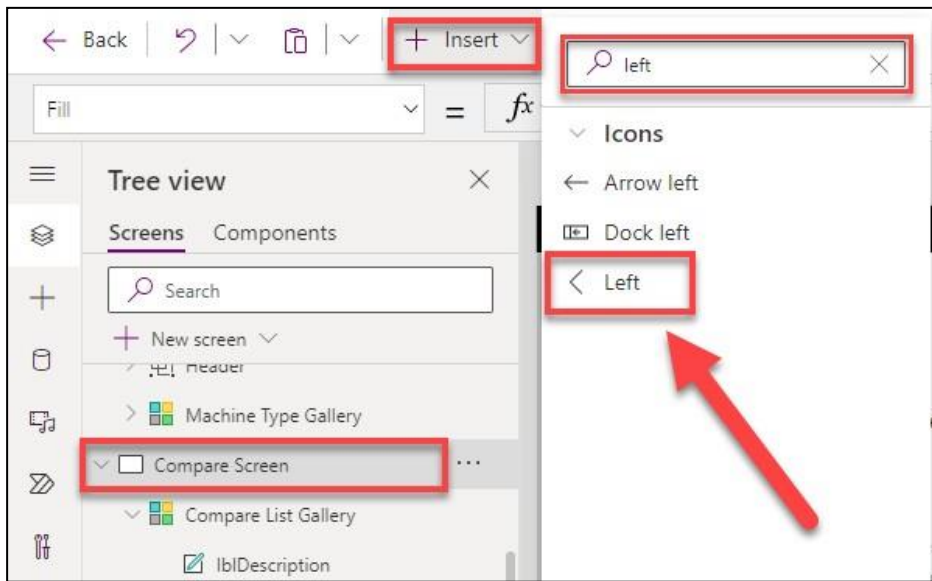
This is conditionally setting a Fill color if the cell is selected.

You could have set a specific color or RGB value, but we recommend using the ColorFade function, so it matches the header label with a 75% fade. If you change the fill color of header label, this template fill color will automatically change.

3. Holding down the **Alt** key on your keyboard, select a different item in the gallery. Notice the selected item is highlighted in a light gray color.

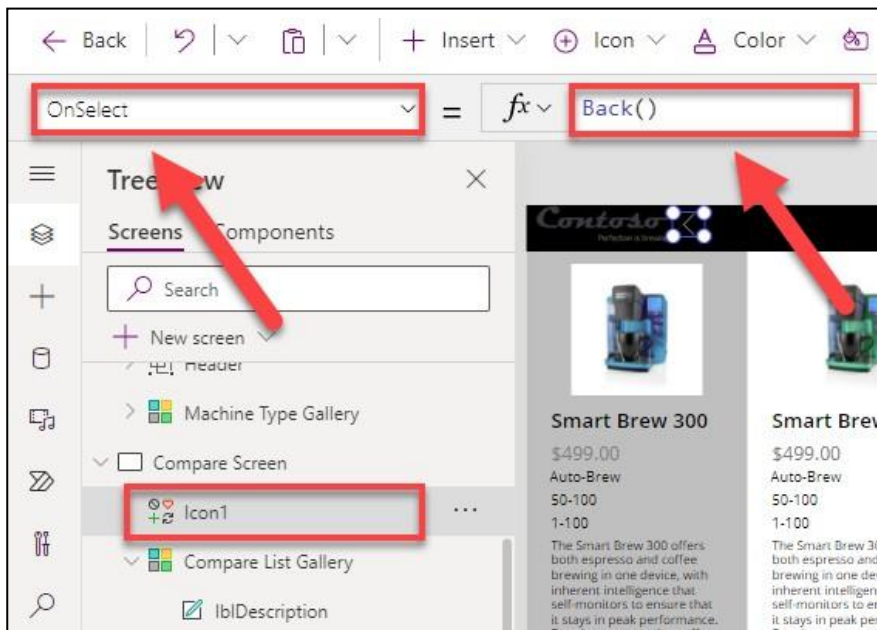
Task 5: Add an icon to navigate to the first screen

1. Select the **Compare Screen** from the Tree view pane to the left of the screen.
2. Select **+ Insert** from the ribbon at the top of the screen. Using the **Search** text box at the top of the Insert menu, search for **left**. Select the **Left** icon.



3. Set the **Color** property value of the **icon** you just added to **Gray**.
4. Set the **Height** property value of the **icon** to **30**.
5. Set the **Width** property value of the **icon** to **40**.
6. Set the **Y** property value of the **icon** to **10**.
7. Set the **X** property value of the **icon** to **190**.
8. Set the **OnSelect** action for the icon to the formula below. This will cause navigation back to the previous screen:

Back()



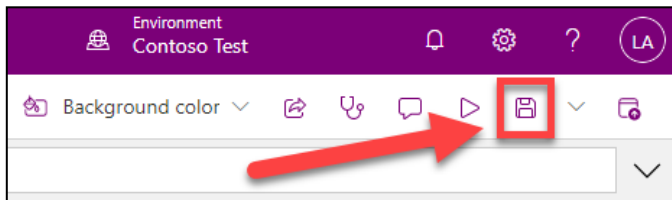
Optional UI enhancement:

Add **padding around the icon** using the Properties pane. Set the padding values to 10 each for Top, Bottom, Left, and Right. This will make the icon look smaller but still have a larger hit target for the click action. This is a good pattern to use for most icons.

Task 6: Test the app

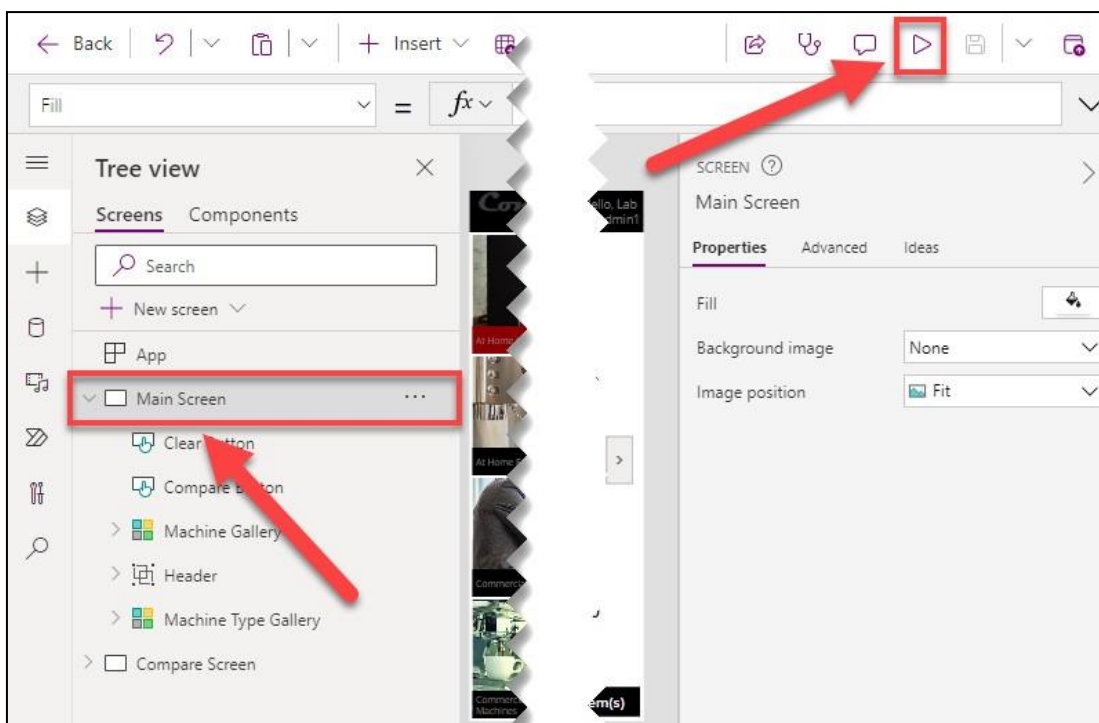
Before we begin this task, let's **save** the app by selecting **Save**. It is a good idea to save your app regularly.

Select the **Save** button from the ribbon in the top right corner of the screen.



Note: You can also test your app right on the canvas by holding down the Alt key to activate buttons and other controls, as well as double-clicking to type into controls.

1. Navigate to the **Main Screen** from the Tree view pane to the left. Select the **Preview** mode button from the ribbon in the top right corner of the screen.



2. **Uncheck** any checked machines.
3. Select one of the **Machine types** to the left.
4. Select the **Compare** checkbox on a few machines on the **main screen**.
5. Select the **Compare** button to navigate to the **compare screen**.
6. Select different machines in the gallery and verify that the selection highlight works.
7. Select the **Back** button that we just added previously and confirm you navigate back to the **main screen**.

Machine Ordering

Hello, Lab Admin1

Barista Lite
\$699.00
App Connectivity
1-50
1-100
The Barista Lite is perfect for the beginner espresso aficionado with limited experience, or for anyone who has limited counter space.

Crema Café
\$999.00
App Connectivity
1-50
100-200
Perfect for coffee purists, this one-cup machine achieves the exceptional quality of a professional barista.

Crema Cafe XL
\$1,199.00
App Connectivity
1-50
100-200
The Crema Café XL delivers coffeehouse quality and convenience right to your own countertop.

8. Select the **Clear Selection** button.

Machine Ordering

Hello, Lab Admin1

At Home Coffee Makers

At Home Espresso Machines

Commercial Coffee Makers

Commercial Espresso Machines

Barista Lite
\$699.00
☒ Compare

Crema Café
\$999.00
☒ Compare

Crema Cafe XL
\$1,199.00
☒ Compare

Crema Cafe XL
\$1,199.00
☐ Compare

Barista Lite
\$699.00
☐ Compare

Crema Café
\$999.00
☐ Compare

Crema Cafe XL
\$1,199.00
☐ Compare

Crema Café
\$999.00
☐ Compare

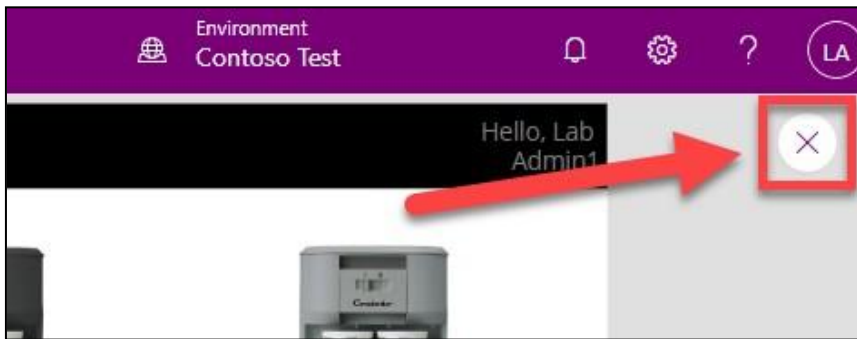
Clear Selection

Compare 3 item(s)

9. The **CompareList** should clear, and the **Compare** button should become disabled.



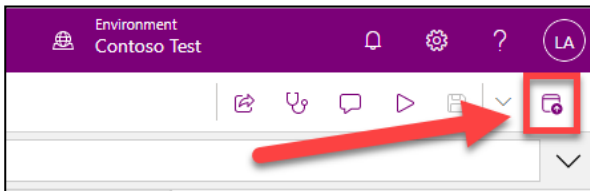
10. **Close** the **Preview mode** by selecting the **X** in the top right corner of the screen.



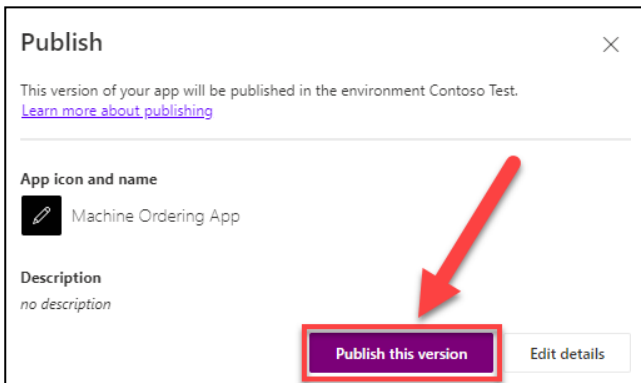
Task 7: Test the app on a mobile device

Congratulations! You've created your Power Apps app. Now let's publish and test it on a mobile device.

1. Select the **Publish** button from the ribbon in the top right corner of the screen..



2. The Publish dialog box will appear. Select **Publish this version** on the confirmation prompt.



This action will publish the latest saved version of the app.

3. Go to your mobile device's app store application. Search for "**Power Apps**" and install the Power Apps application. Launch the app.

[Android:](#)



[iOS:](#)



[Microsoft Store](#)



4. When the app starts, it will prompt for your business or school account credentials. **Log in** with the same account that you used to create the Power Apps app. You should see the app you just created in the list of apps. **Run the app.**

