

Exercise - Add the compare screen

20 minutes

The second screen is where users compare the selected machines and then choose the one that they want to submit for approval. This screen includes:

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

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

🕒 Note

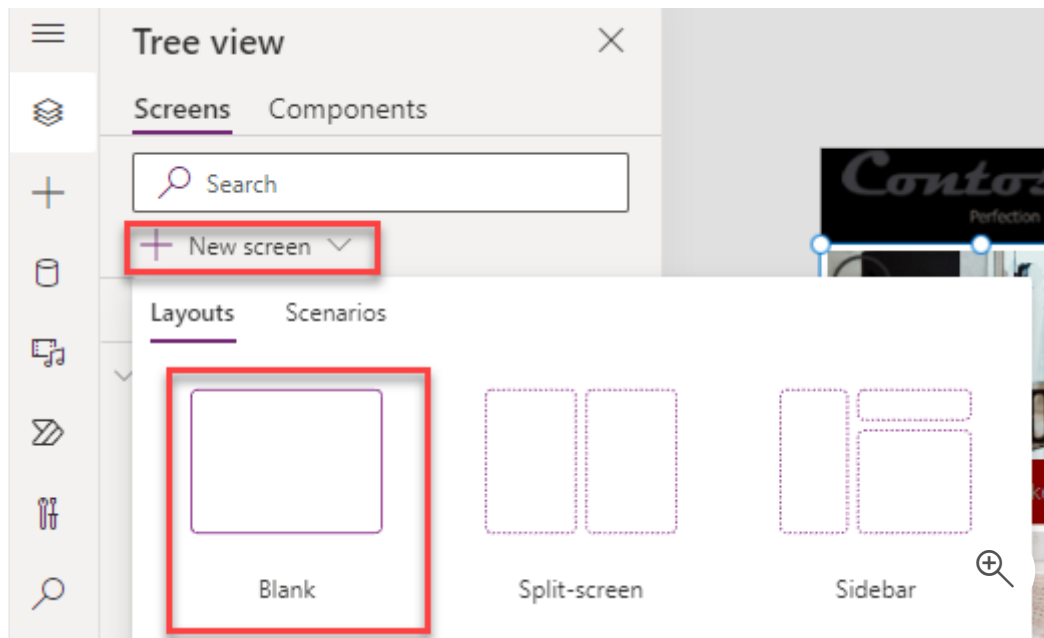
To complete the exercises, you'll need to use a few files. Download the **App in a Day files** for use in this module. The file folders that are in this download include:

- **Completed modules with instructions** - Package files to import the completed exercise steps.
- **Machine-Order-Data.xlsx** - File used in the exercises.

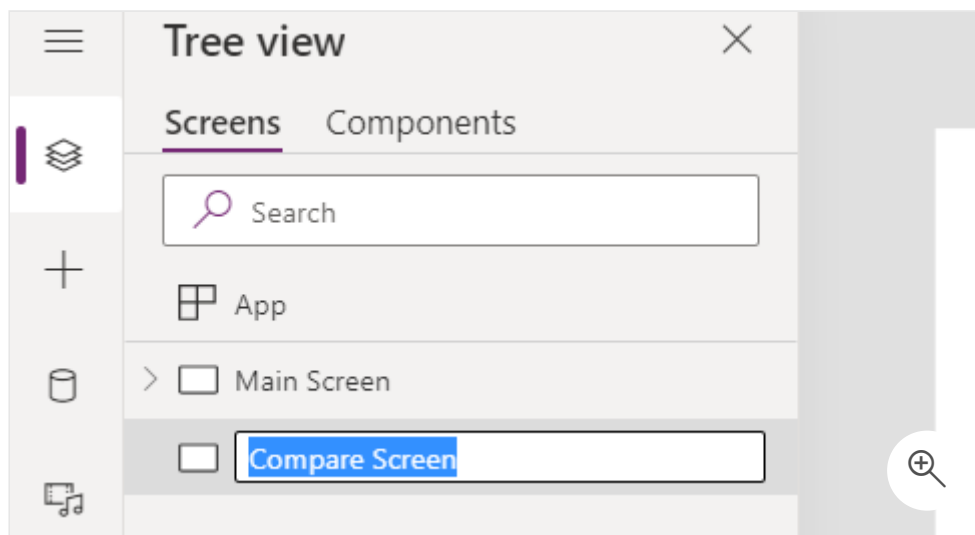
Task: Add a screen

Your first task is to add a new screen by following these steps:

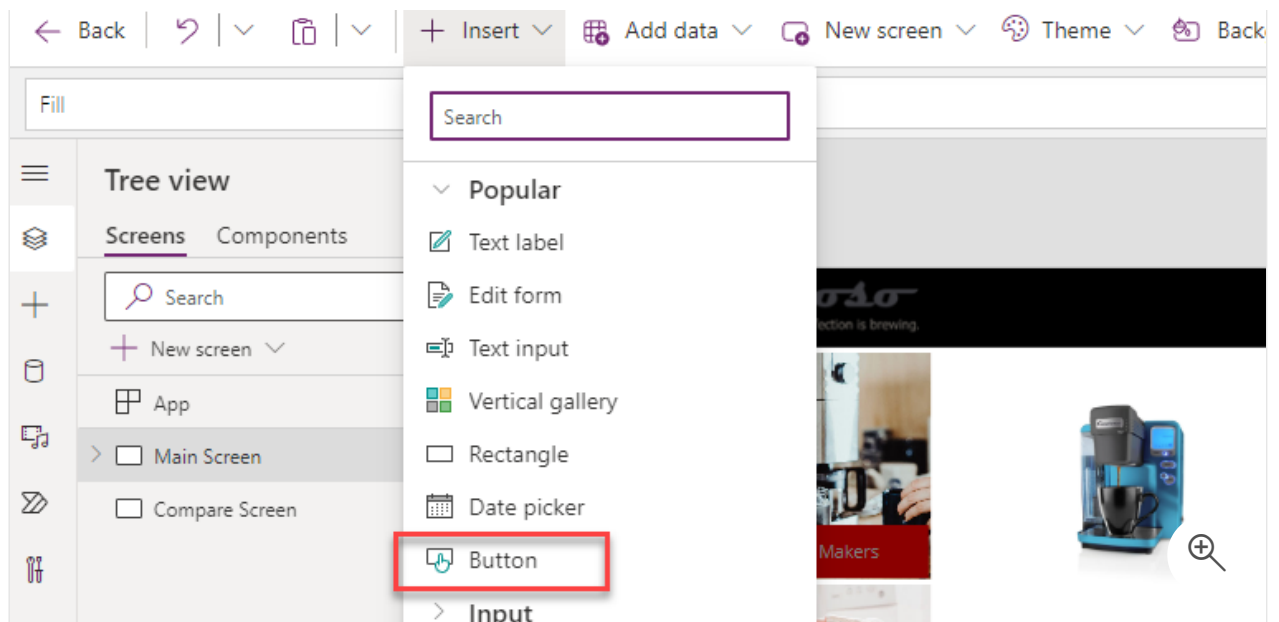
1. From the ribbon, select + **New screen** and then select **Blank**.



2. Rename the screen to **Compare Screen**.



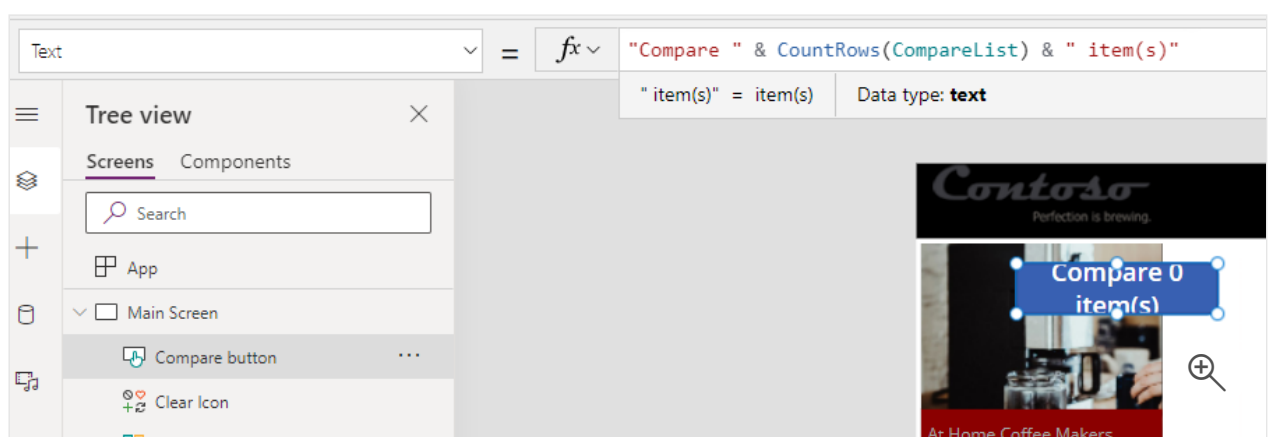
3. In the left tree view, select **Main Screen** > **+ Insert**, expand the **Popular** group, and then select **Button**.



4. Rename the button **Compare Button**.

5. Select the **Compare Button**.

6. Set the button's **Text** property to: Compare " & CountRows(CompareList) & " item(s)"



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

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

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

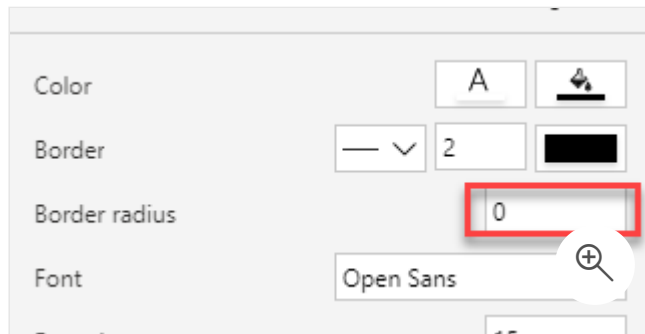
10. Set the **X** value of the Compare Button to **1150**.

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

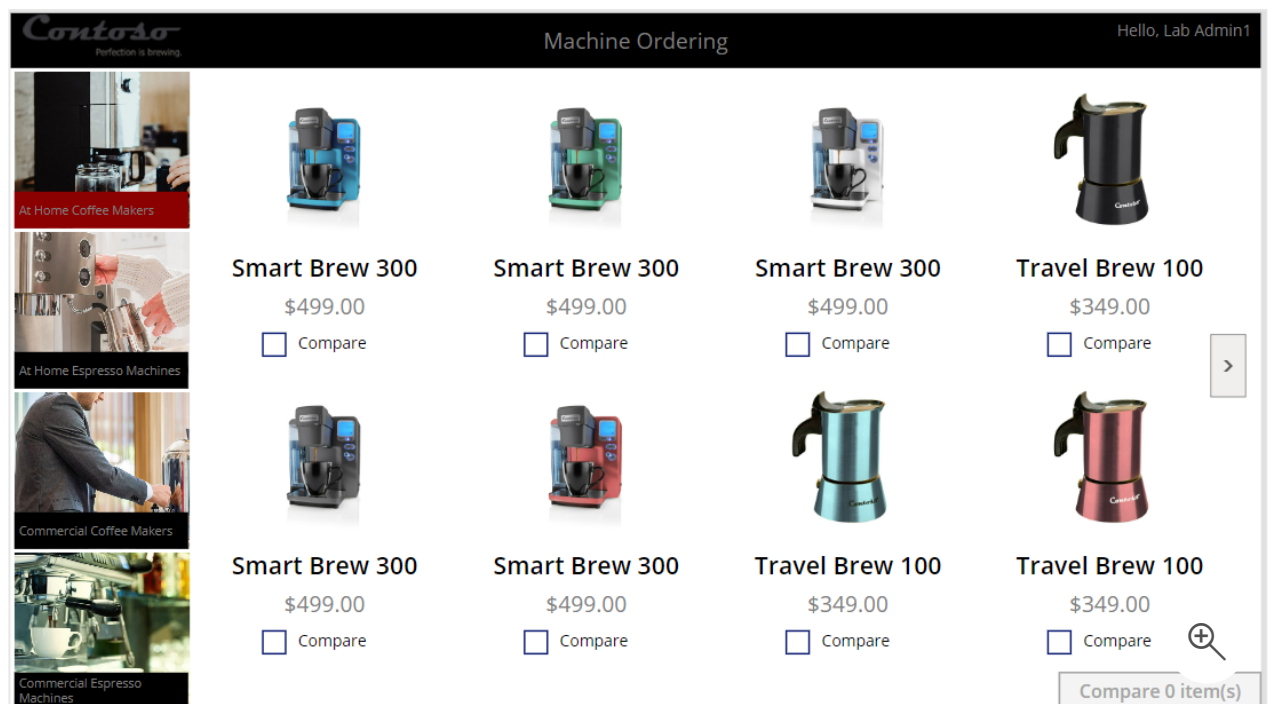
12. Set the **DisplayMode** of the Compare Button to the following formula. This Power Fx formula disables the button if no items are selected and will enable it if at least one item is selected.

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

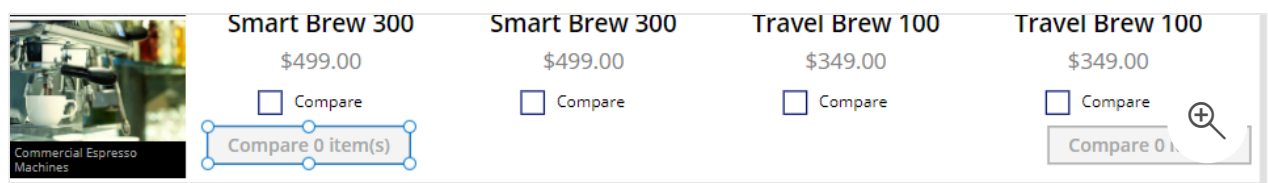
13. Select the **Compare Button**, and then go to the Properties pane and set the **Border radius** to 0.



14. Clear the checkboxes for all machines. Notice that the button is no longer available.

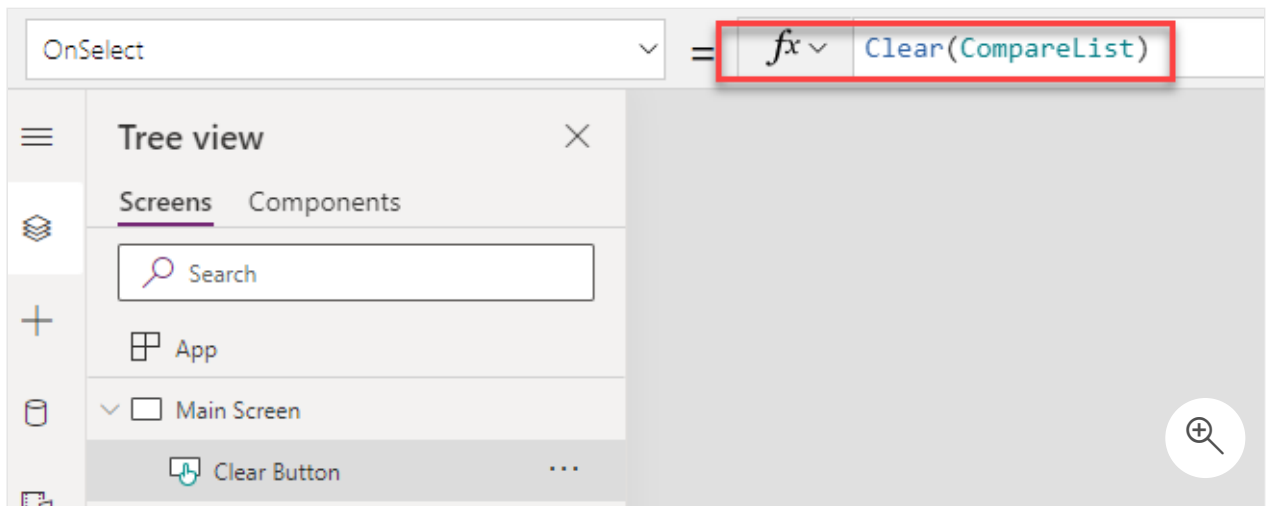


15. Select the **Compare Button** and then copy it by pressing the **Ctrl+C** keyboard shortcut.
16. Paste the button on the same screen by using the **Ctrl+V** keyboard shortcut.
17. Rename the button as **Clear Button**.
18. Set the **X** value of the **Clear Button** to 300.



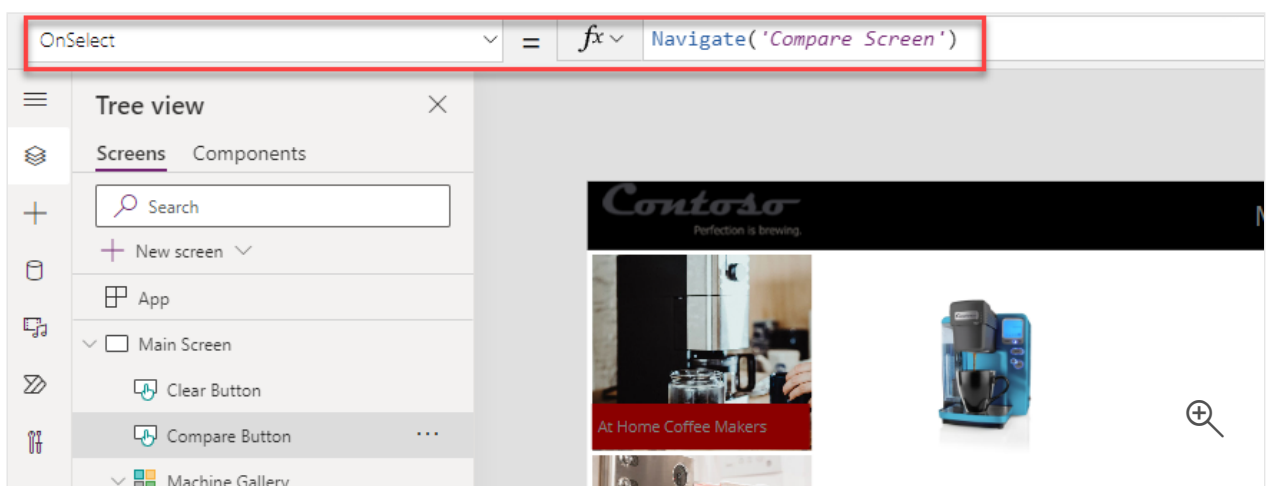
19. Change the **Text** value of the Clear Button to **Clear Selection**.
20. Set the **OnSelect** value of the Clear Button to the following formula. This Power Fx formula removes all items in the CompareList collection.

Clear(CompareList)

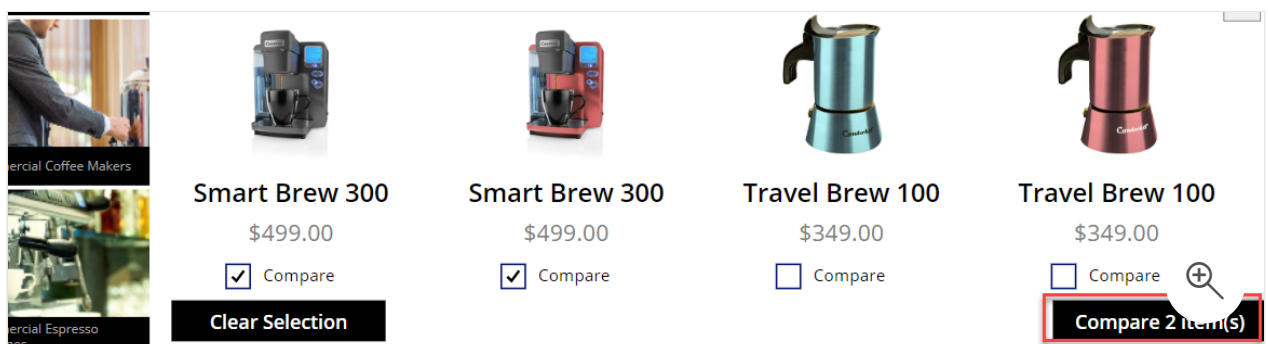


21. Select the **Compare Button** and then change the **OnSelect** value to the following formula.

Navigate('Compare Screen')



22. Select **Preview** the app.
23. Select a couple of machines, select the **Compare** button, and then verify that it takes you to the second screen.

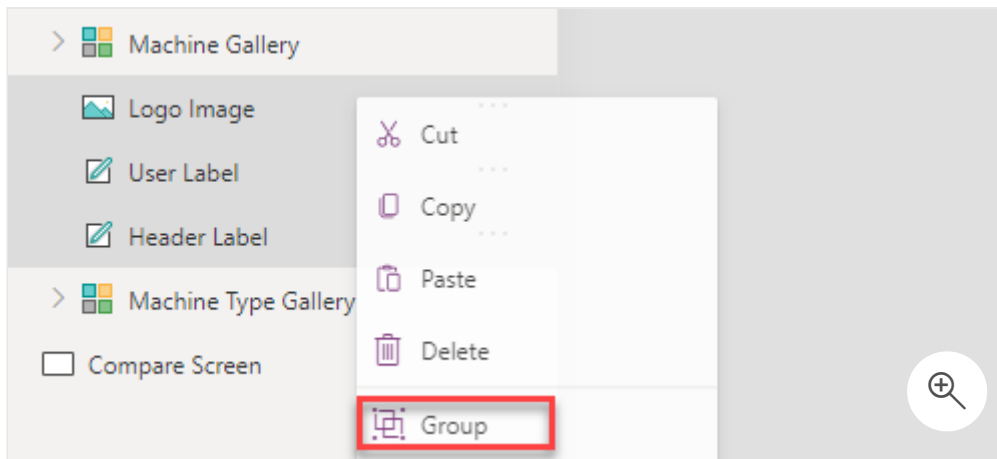


24. You should be directed to the new empty screen. Close the preview.



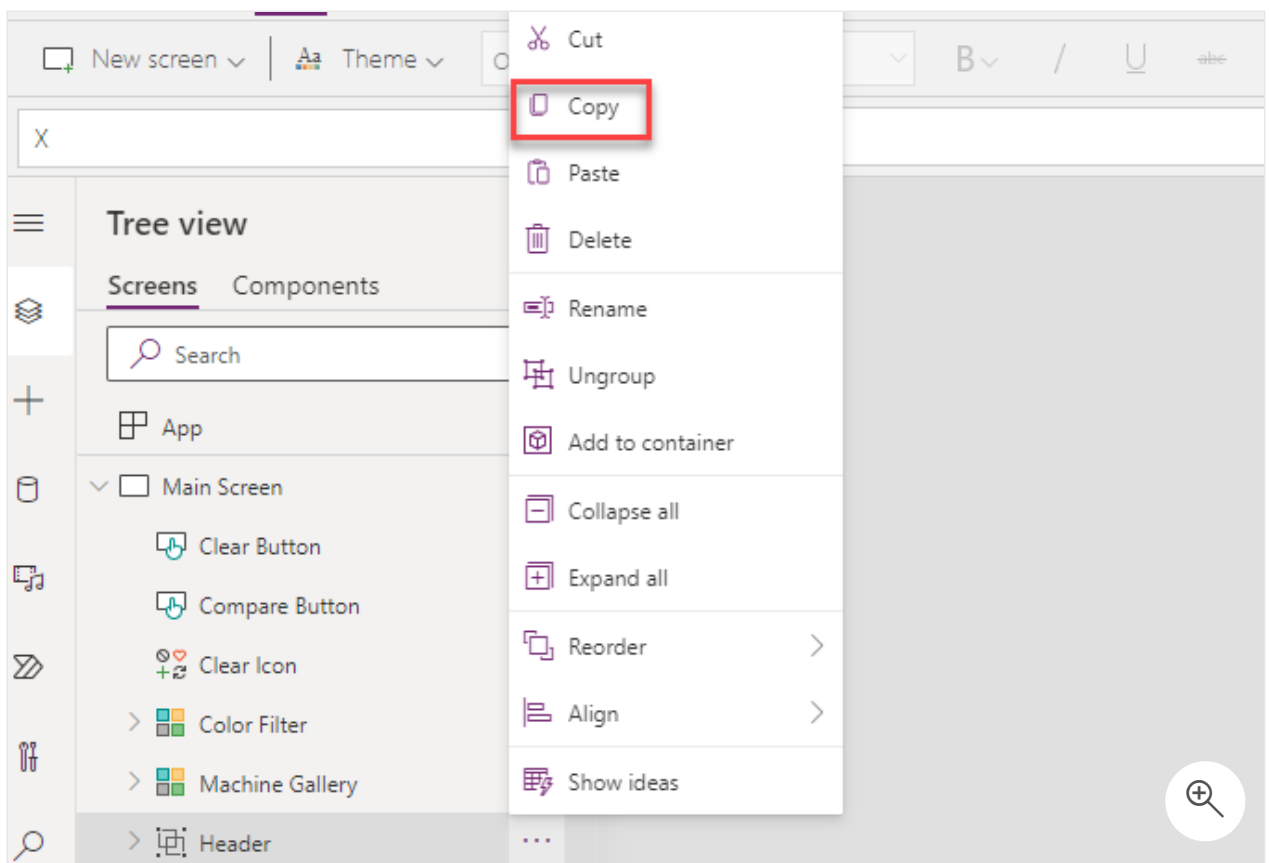
25. Select the **Main Screen** in the tree view.

26. Select **User Label**, **Header Label**, and **Logo Image**. Right-click and select **Group**.

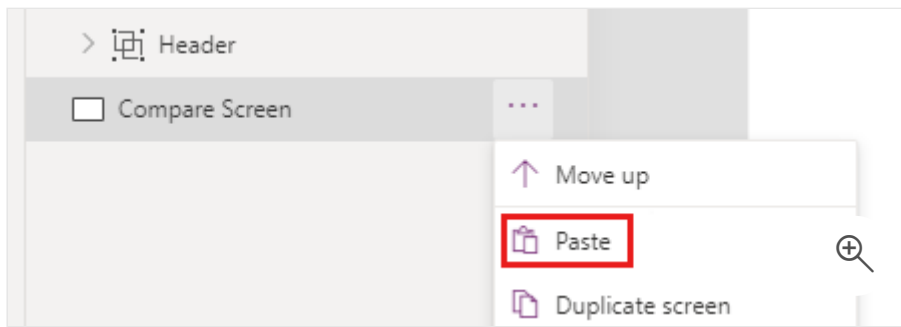


27. Rename the group as **Header**.

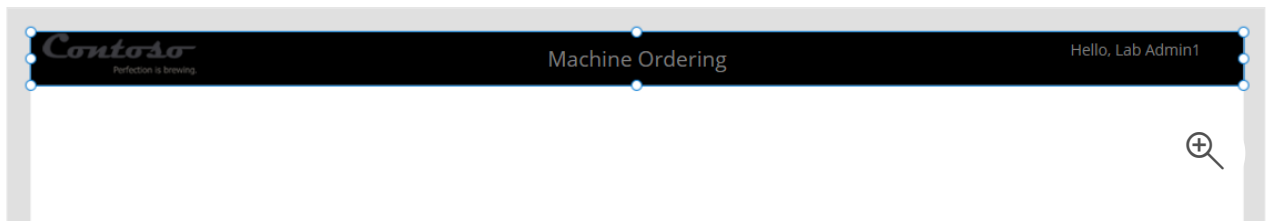
28. Select the ellipsis (...) button of the **Header** and then select **Copy**.



29. Right-click the **Compare Screen** option and then select **Paste**.



The **Header** in the **Compare Screen** should resemble the following image.



30. Copy **Machine Gallery** from the **Main Screen** and then paste it in the **Compare Screen**.

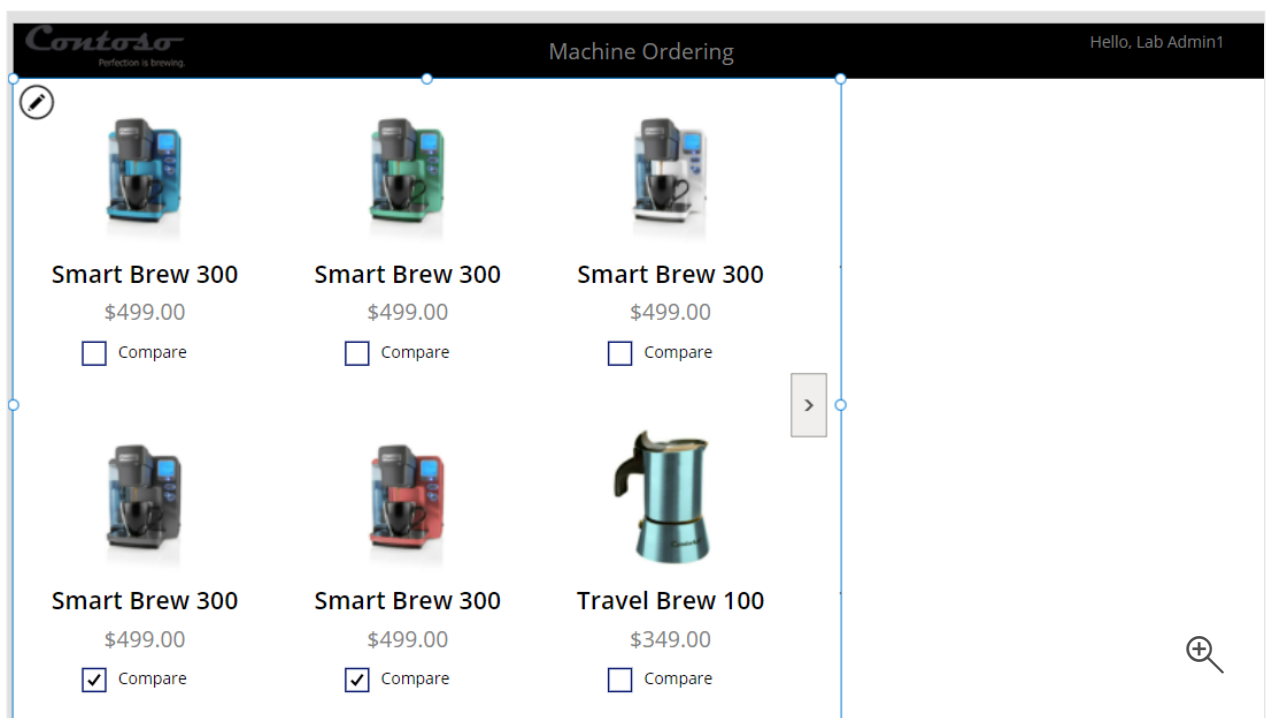
31. Rename the gallery in the Compare Screen as **Compare List Gallery**.

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

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

34. Set the **Height** value of the Compare List Gallery to **710**.

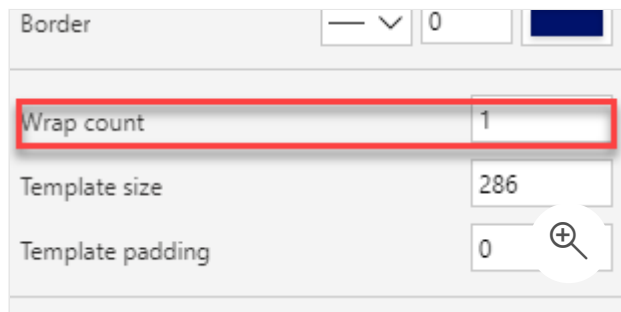
The gallery should now resemble the following image.



Task: Set up the gallery

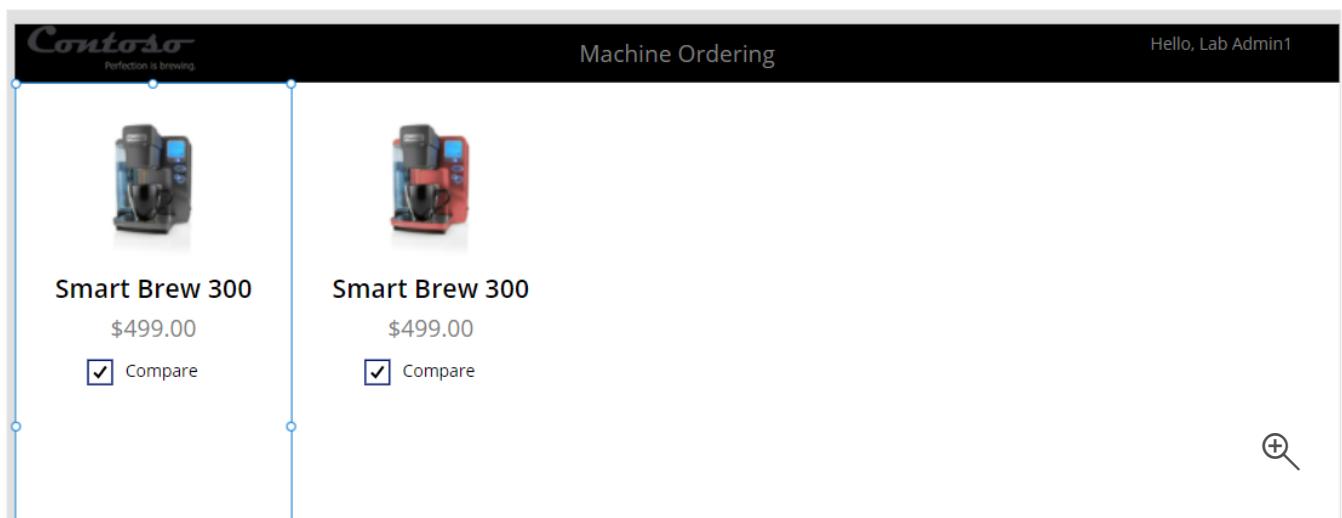
In this task, you set up the gallery to show machines that were selected from the comparison gallery on the Main Screen.

1. Select the new **Compare List Gallery**.
2. Go to the **Properties** pane and change the **Wrap count** to 1.



3. Select **Items** in the property dropdown list and then change the data source in the formula bar to **CompareList**.

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



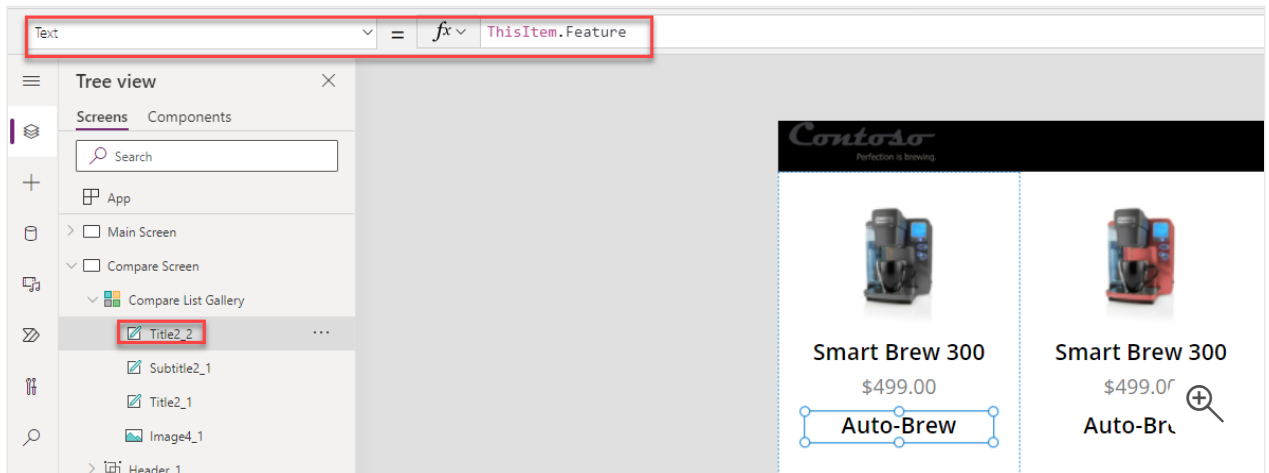
Task: Remove and add controls to the gallery

In the **Compare Screen**, you're selecting a given item to get approved, so you don't need a **Compare** checkbox.

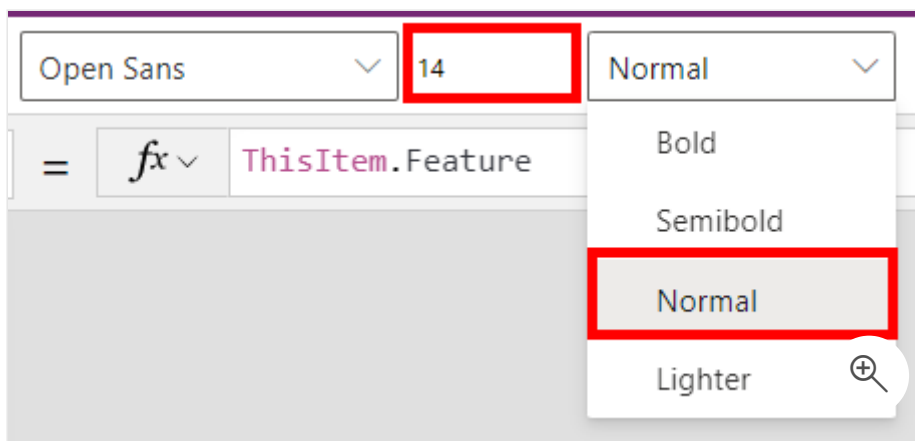
1. Select the **Compare** checkbox on the left template cell and then press the **Delete** key to delete the checkbox.
2. Add a few labels to display other attributes about the machine. A method is to copy and paste. Select the first label in the gallery that's displaying the machine name. Copy the

label (**Ctrl+C**) and then paste it (**Ctrl+V**). Rename these labels so that you can easily identify them later.

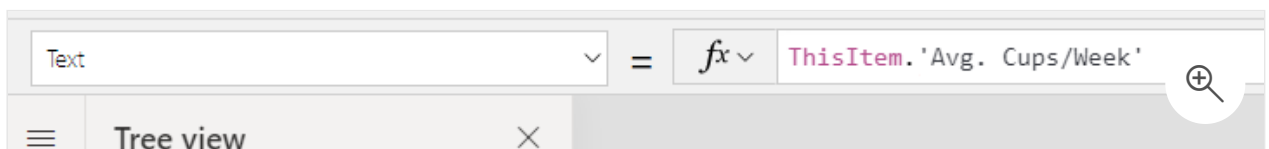
3. Move the new label so that it's below the price. Set the **Text** property to: `ThisItem.Feature`.



4. Use the ribbon to change the font weight from **Semibold** to **Normal** and then change the **Size** property to 14.



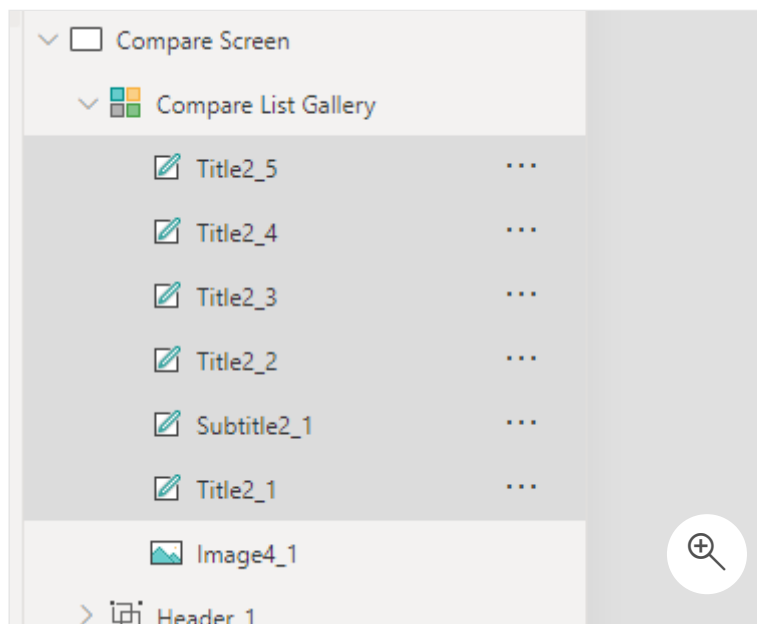
5. Copy and paste this label and then move the new fourth label below the third label. Set the **Text** property to: `ThisItem.'Avg. Cups/Week'`



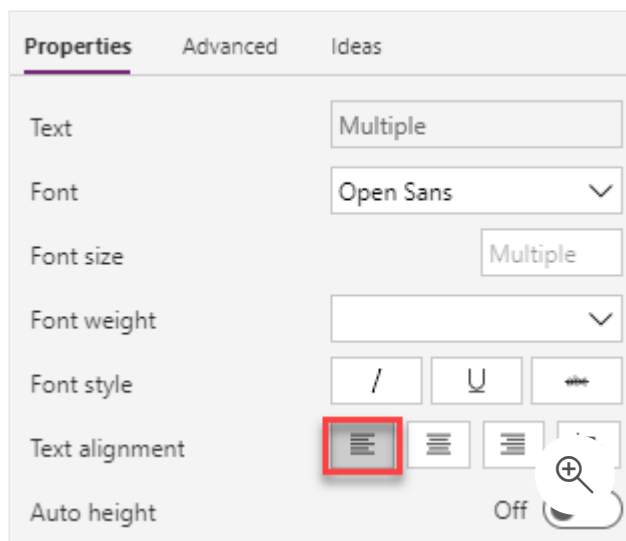
6. Repeat the previous steps to add text boxes to display the other machine properties, the Avg. Espresso/Week value, and the Description. You can customize the labels by changing their Size, Color, Fill, and Font Weight properties.
7. Select the **Description** label inside the gallery.
8. Change the **Size** of the Description to 12.

9. Change the **AutoHeight** value of the Description to **true**.

10. Select all labels inside the gallery.



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



The gallery should now resemble the following image.

Machine Ordering

Smart Brew 300
\$499.00
Auto-Brew
50-100
1-100
The Smart Brew 300 offers both espresso and coffee brewing in one device, with inherent intelligence that self-monitors to ensure that it stays in peak performance. Brewing great-tasting coffee requires a lot of attention to detail and a lot of love. At Contoso, we are dedicated to helping at-home coffee brewers with the machines that they can count on for the perfect cup every time.

Smart Brew 300
\$499.00
Auto-Brew
50-100
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The Smart Brew 300 offers both espresso and coffee brewing in one device, with inherent intelligence that self-monitors to ensure that it stays in peak performance. Brewing great-tasting coffee requires a lot of attention to detail and a lot of love. At Contoso, we are dedicated to helping at-home coffee brewers with the machines that they can count on for the perfect cup every time.

! Note

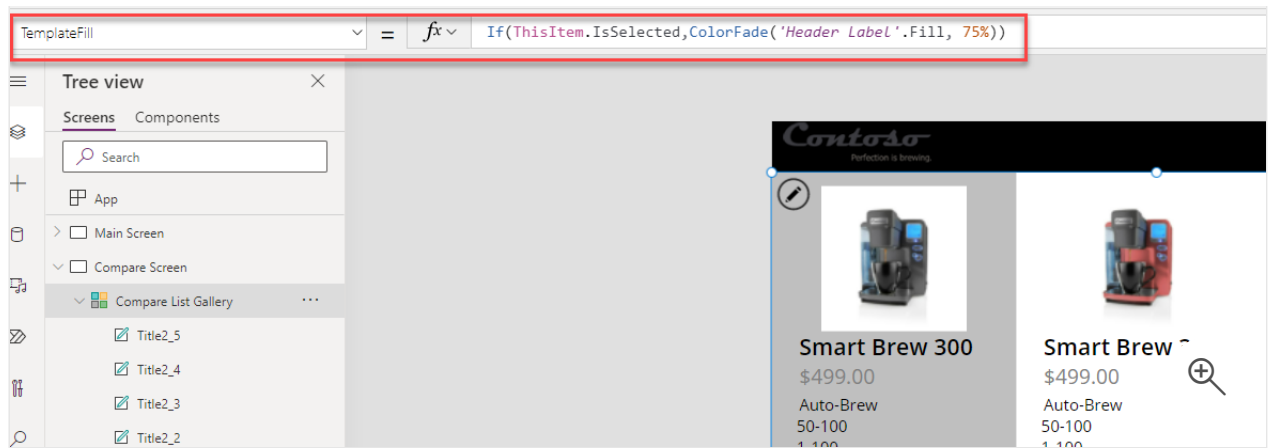
To save time in this lab, you can add one or two of these extra properties and then skip adding the other machine properties.

Task: Highlight the selected machine

To highlight the selected machine, follow these steps:

1. Select the **Compare List Gallery**.
2. With the whole gallery selected, set the **TemplateFill** property to:

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



This step will conditionally set a Fill color if the cell is selected.

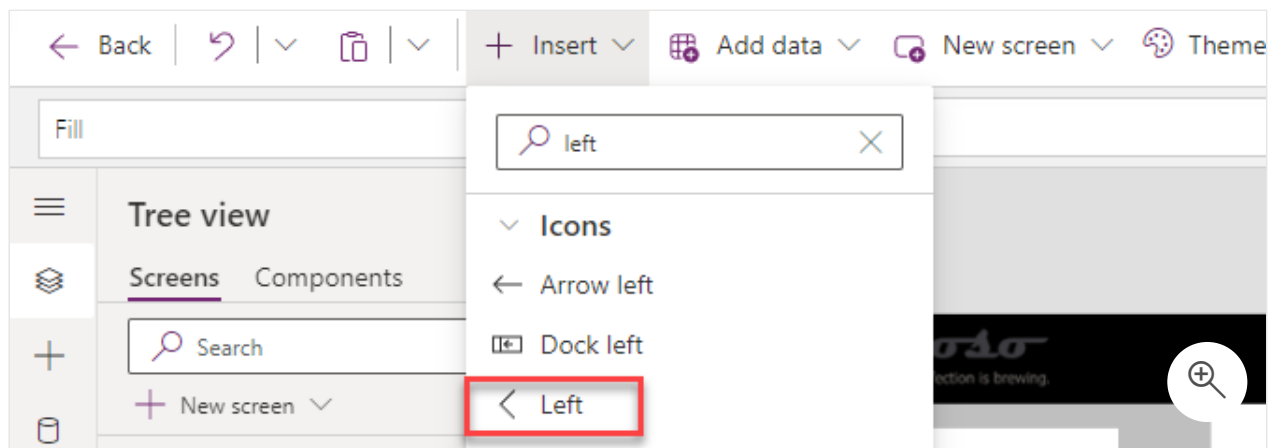
You could have set a specific color or RGB value, but we recommend that you use the ColorFade function so that it matches the header label with a 75 percent fade. If you change the fill color of header label, this template fill color will automatically change.

3. While pressing the **Alt** key, select a different item in the gallery. Notice that the selected item is highlighted in a light gray color.

Task: Add an icon to navigate to the first screen

In this task, you add an icon to navigate to the first screen.

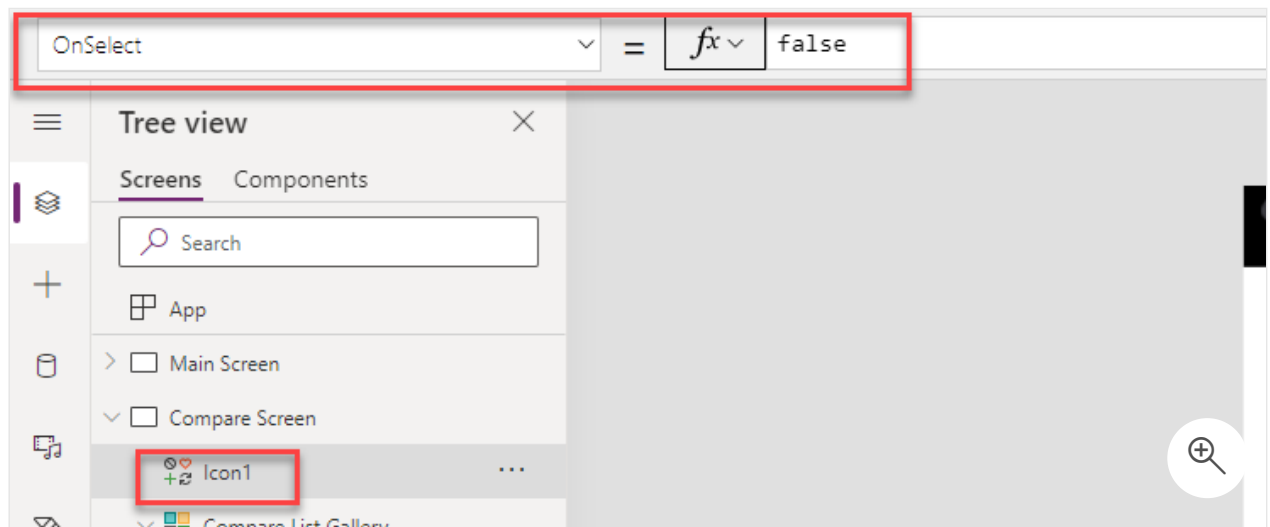
1. Select the **Compare Screen**.
2. Select **+ Insert**, search for **left**, and then select the **Left** icon.



3. Set the **Color** of the icon that you added to **Gray**.
4. Set the **Height** of the icon to **60**.
5. Set the **Width** of the icon to **60**.
6. Set the **Y** of the icon to **0**.

7. Set the **X** of the icon to **220**.

8. Set the **OnSelect** action for the icon to **Back()**, which will cause navigation back to the previous screen.



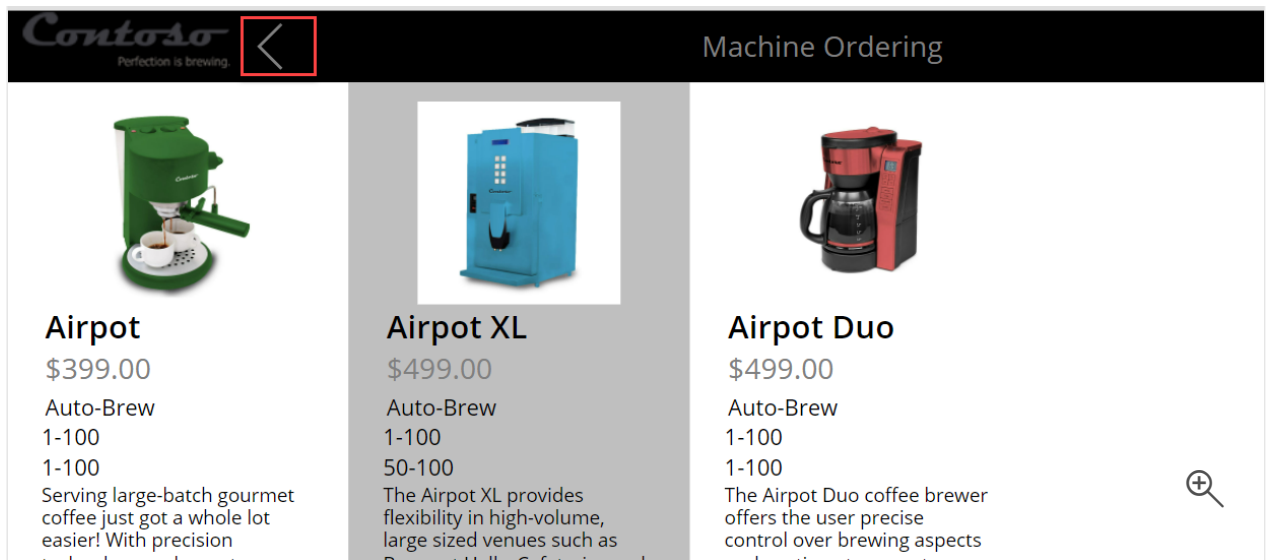
Optional UI enhancement

Add **padding around the icon** by using the Properties pane. Set the padding values to **10** for the **Top**, **Bottom**, **Left**, and **Right** settings. As a result, the icon looks smaller but will still have a larger hit target for the click action. This pattern is optimal for most icons.

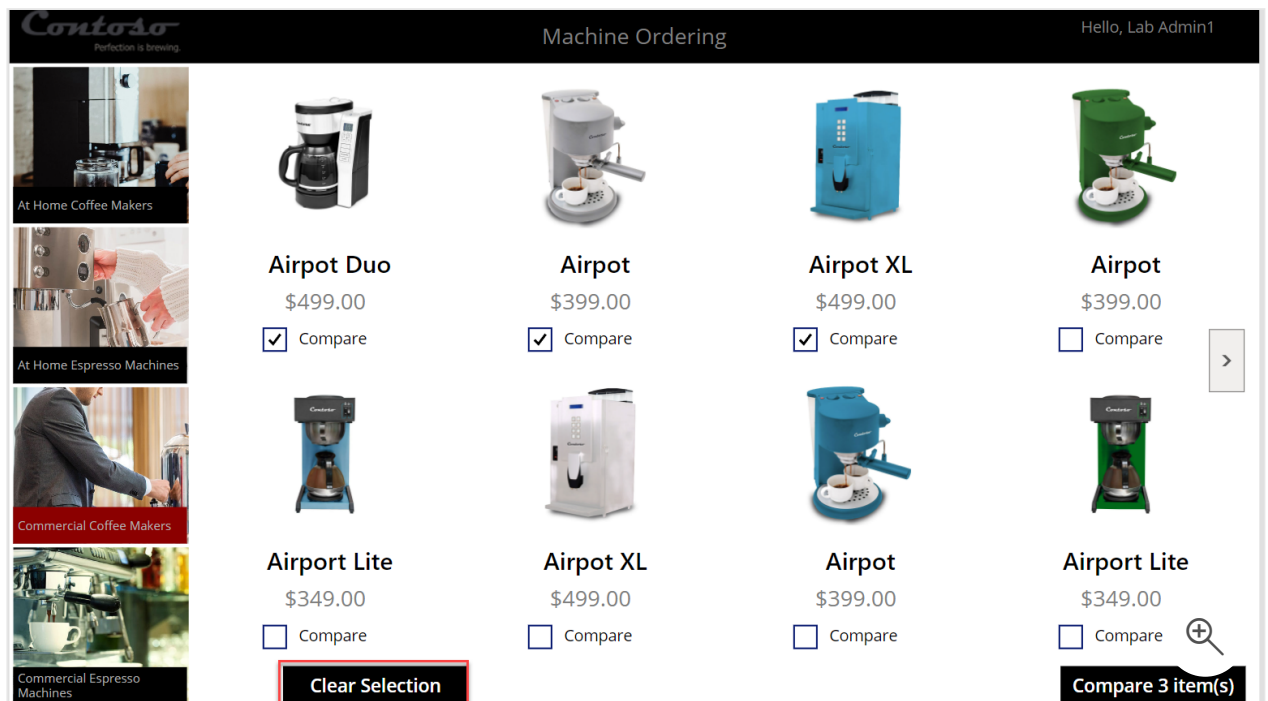
Task: Test the app

Select **Save** to save your app. It's a good idea to save your app regularly. You can also test your app directly on the canvas by holding down the **Alt** key to activate buttons and other controls and then double-clicking to type into controls.

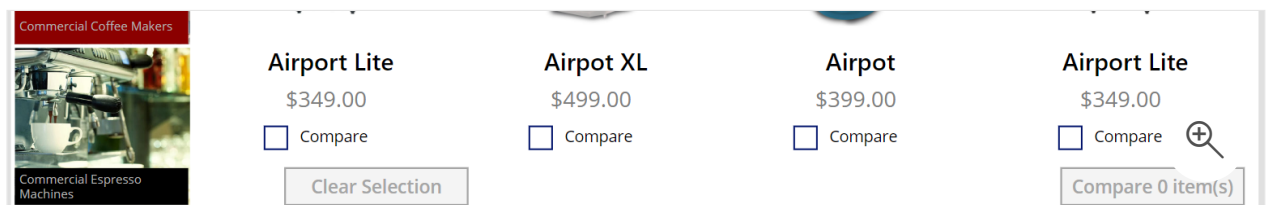
1. Go to the **Main Screen** and **Preview** the app by selecting the **Play** button in the upper right.
 2. Clear any selected machines, if necessary.
 3. Select one of the machine types.
 4. Select the **Compare** checkbox on a few machines on the main screen.
 5. Select the **Compare** button to go to the compare screen.
 6. Tap or select a different machine in the gallery and then verify that the selection highlight works.
 7. Select the **Back** button and then confirm that you return to the main screen.
-



8. Select **Clear Selection**.



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

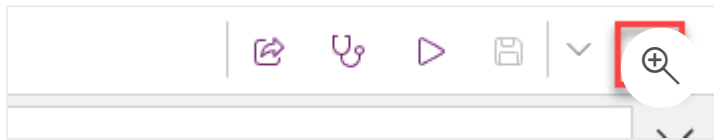


9. Close the preview.

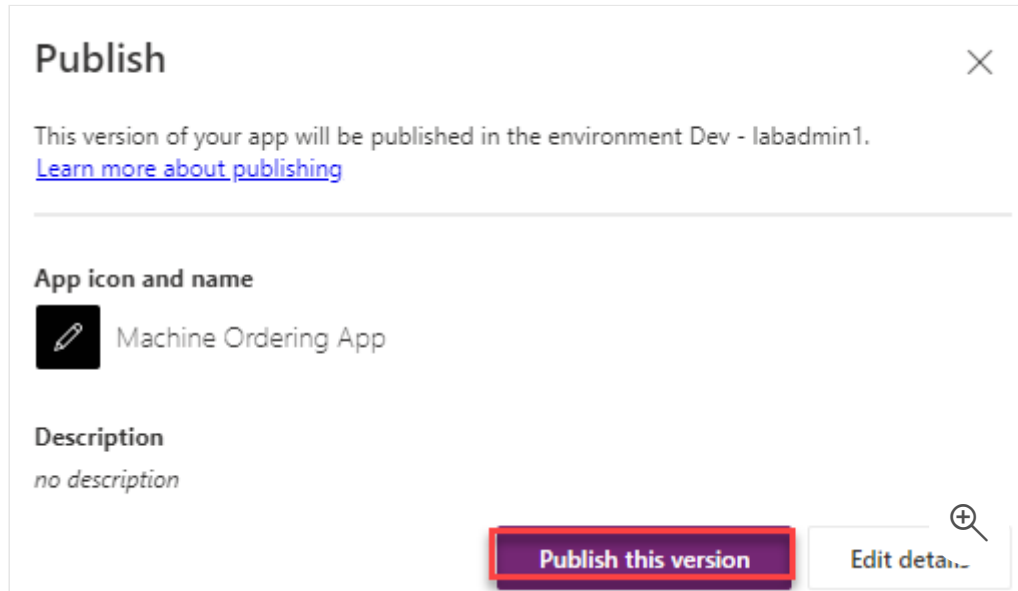
Task: Test the app on a mobile device

Congratulations, you've created your Power Apps application. Now, you can publish and test it on a mobile device.

1. Select the **Publish** button.



2. Select **Publish this version** on the confirmation prompt.



This action publishes the latest saved version of the app.

3. Go to your device's app store application. Search for **Power Apps** and install the Power Apps application. Launch the app.
4. When the app starts, it prompts for your business or school account credentials. Sign in with the same account that you used to create the Power Apps application. The app that you created should appear in the list of apps. Select to **Run the app**.

Next unit: Check your knowledge

Continue >