

Working with Constraints and using MXML Styles

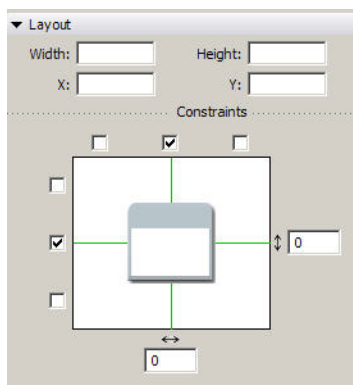
Import the Project

1. In Flex Builder, select **File > Import > Flex Project**.
2. In the dialog window, select **Archive File** and browse to where `Ex15_Starter.zip` is located in your local file system.
3. Click **Finish**.

Note: Alternatively you can start with the code you completed from exercise 14.

Using constraints to center the application

4. Open **ReservationSystems.mxml** and run it.
You should see that the application is located in the upper left corner of the browser window.
5. Return to **ReservationSystems.mxml** and switch to the **Design** view.
6. Using the **Outline** view, select the `Canvas` container.
7. In the **Flex Properties** view, locate the **Layout** section.
8. Under **Constraints**, check the middle left check box. In the field change the value to 0 (zero).
9. Check the middle top checkbox and change the field value to 0 (zero).



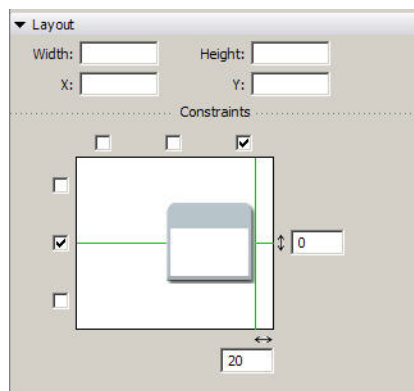
You may need to maximize your Design view window to see the full display in Design mode.

10. Save the file and run.

You should see the application is now centered vertically and horizontally within the browser window when the window is resized.

Use constraints to position the logo

11. Open **Footer.mxml** from the **components** folder.
12. Switch to **Design** view and use the **Outline** view to select the **XYZ Label** instance.
13. In the **Flex Properties** view under **Layout**, check the middle left checkbox and enter 0 as the value.
14. Using the **Outline** view, select the **Company Label** instance and in the **Layout** section, check the middle left constraint checkbox and enter 0 as the value.
15. Using the **Outline** view, select the last Label instance and in the **Layout** section, check the middle left constraint checkbox and enter 0 (zero) as the value. Also check the right top constraint and enter a value of 20.



16. Save the file and run the application.
17. You should see the XYZ Company title font is different from the Global Reservation System title font in the footer and the text stays anchored to the right the same distance when the window is resized.



18. Click a text input field in the Request Ticket form.
Notice the selection outline is blue.

Applying styles

19. Return to the **ReservationSystem.mxml** file.

20. Change to **Source** mode and locate the opening `Application` tag.
21. Add a `themeColor` property with a value of `silver`.
22. Add a `backgroundColor` property with a value of `#62627F`.
23. Save the file and run the application.
You should see that the background color has changed.
24. Click an input field in the Request Ticket form.
The selection outline for the field is no longer blue but now silver.
25. Using the **Outline** view locate the `TabNavigator` instance.
26. Add a `tabWidth` property with a value of 216, a `tabHeight` property with a value of 29, a `horizontalGap` property with a value of 8 and a `backgroundColor` property with a value of `#F2F2F2`.

```
<mx:TabNavigator id="tn"
  x="0" y="0"
  width="864" height="567"
  tabWidth="216" tabHeight="29"
  horizontalGap="8"
  backgroundColor="#F2F2F2">
```

27. Save the file.
28. Open **RoomReservations.mxml** from the **components** folder.
29. In the beginning `Canvas` tag add a `backgroundColor` property with a value of `#F2F2F2`.
30. Save the file.
31. Open **RequestTicket.mxml** from the **components** folder.
32. In the beginning `Canvas` tag add a `backgroundColor` property with a value of `#FFFFFF`.
33. Save the file.
34. Open **Policies.mxml** from the **components** folder.
35. In the beginning `Canvas` tag add a `backgroundColor` property with a value of `#FFFFFF`.
36. Save the file.
37. Open **Footer.mxml** from the **components** folder.
38. In the beginning `Canvas` tag add a `backgroundColor` property with a value of `#F2F2F2`.
39. Locate the `HRule` control and add a `strokeColor` property of `#636363`.

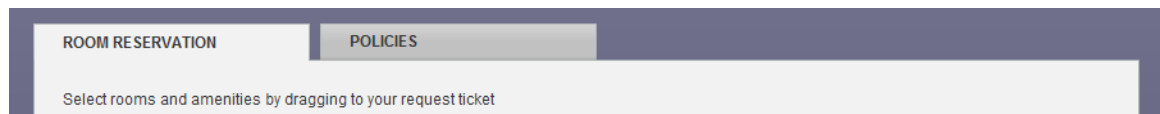
```
<mx:HRule width="100%" height="1" y="0"
  strokeColor="#636363"/>
```

40. Save the file and run the application.
You should see changes in the tabs. They are longer and taller and there is a space between them. Notice the background colors have changed in the whole application.
41. Return to **ReservationSystem.mxml**.
42. Locate the TabNavigator using the **Outline** view.
43. Add a `tabStyleName` property having a value of `tabStyle`.

```
<mx:TabNavigator id="tn"
    x="0" y="0"
    width="864" height="567"
    tabWidth="216" tabHeight="29" horizontalGap="8"
    backgroundColor="#F2F2F2"
    tabStyleName="tabStyle">
```

Remember that the `tabStyle` CSS style is defined in the **assets/styles.css** file.

44. Save the file and run.
Notice that the tabs are now square, the text is positioned left and the non-selected tab is gray.



45. Click the other tab.
Notice the color changes.
46. Return to **RoomReservations.mxml**.
47. Using **Outline** view locate the Accordion component.
48. Add a `headerHeight` property with a value of 27 and a `headerStyleName` property with a value of `accordionStyle`.

```
<mx:Accordion width="442" height="100%" y="0"
    headerHeight="27"
    headerStyleName="accordionStyle">
```

Remember that the `accordionStyle` CSS style is defined in the **assets/styles.css** file.

49. Save the file and run.
You should see the accordion pleats are taller.

50. Open the **styles.css** file from the **assets** folder.
51. Create a selector named `Application` and add the following attributes and values:
 - `font-family: arial`
 - `font-size: 12`
 - `color: #363636`
52. Create a class selector named `.title` and add the following attributes and values:
 - `font-size: 14`
 - `font-weight: bold`

Your code should appear as follows:

```
Application {
    font-family: arial;
    font-size: 12;
    color: #363636;
}

.title {
    font-size: 14;
    font-weight: bold;
}
```

53. Save the file.
54. Open the **Footer.mxml** file.
55. Using **Outline** view, locate the `Label` instance for the **Global Reservation System** text and add a `styleName` property with the value `title`.








```
<mx:Label text="GLOBAL RESERVATIONSYSTEM SYSTEM"
    verticalCenter="0" right="20"
    styleName="title"/>
```

56. Save the file and run the application.
You should see the font has changed throughout the application. The Request Ticket title and footer text have also changed, since they are tied to the `title` CSS selector that you just defined.
57. Click on the **Policies** tab to see the changes there too.

ROOM RESERVATION
POLICIES

Select rooms and amenities by dragging to your request ticket

AMENITIES

-  Dance Floor
-  Microphone
-  Special Lighting
-  Extra Trash Receptacals
-  Food Station
-  Security
-  Waitstaff

ROOMS

REQUEST TICKET

About You

Full Name:

Address:


City:

State:

Postal Code:

Daytime Phone:

Room Request

Date Needed: 

Room:

XYZ COMPANY
GLOBAL RESERVATION SYSTEM