

# Binding Data and Handling a User Event

## Create an ArrayCollection variable

1. Open **AdobeODT.mxml** in the **AdobeODT** project.
2. After the beginning **Application** tag, create an **Array** using **MXML**.

```
<mx:Array>  
</mx:Array>
```

3. Add an **id** property with the value **roomList**.

```
<mx:Array id="roomList">  
</mx:Array>
```

4. **Populate the array using the following values.** Surround each value with the **String** class.  
Colorado Room  
Denver Room  
Mile High Room  
Greeley Room

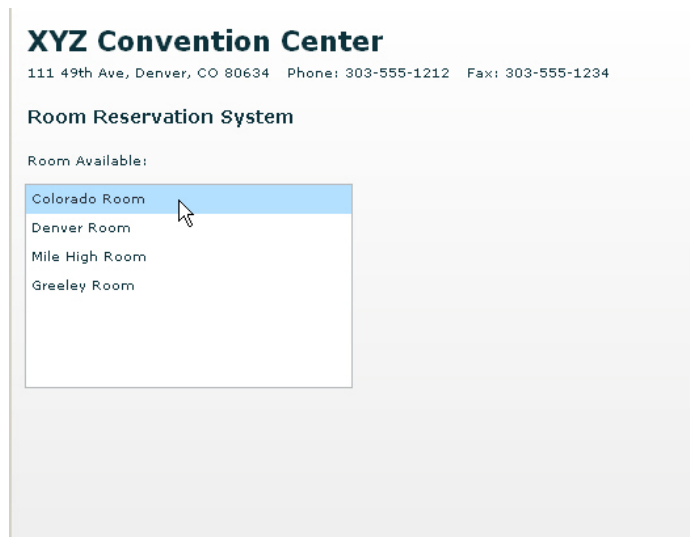
```
<mx:Array id="roomList">  
  <mx:String>Colorado Room</mx:String>  
  <mx:String>Denver Room</mx:String>  
  <mx:String>Mile High Room</mx:String>  
  <mx:String>Greeley Room</mx:String>  
</mx:Array>
```

## Use the variable as the dataProvider for the List control

5. In the **Outline** view, locate the **List** control.
6. Add a `dataProvider` property and bind `roomList` using curly braces.

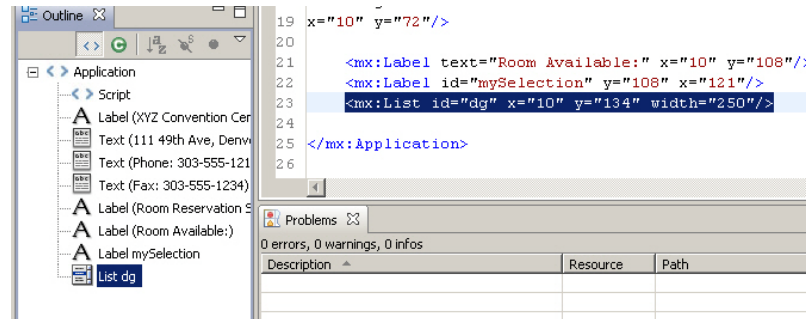
```
dataProvider="{roomList}"
```

7. Save the file and run.
8. You should see the **List** control populated with the values from the **Array**.



## Create a user event

- Using the **Outline** view locate the **List** control.



- Add an `itemClick` event that is handled by a `changeHandler` method. Pass `event` as a parameter to the method.

```
<mx:List id="dg" x="10" y="134" width="250"
        dataProvider="{roomList}"
        itemClick="changeHandler(event)"/>
```

## Create the changeHandler listener

- After the beginning **Application** tag, add a **Script** block: `<mx:Script>`. Flex Builder will complete the code for you when you enter the closing bracket (`>`) of the **Script** tag.
- Within the **Script** block after the last import statement, import the `ListEvent` class.

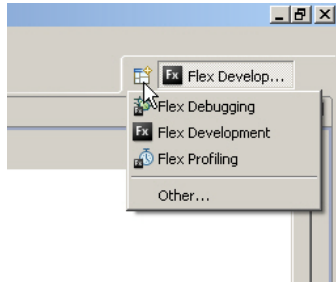
```
<mx:Script>
    <![CDATA[
        import mx.events.ListEvent;
    ]]>
</mx:Script>
```

- After the import statement, create a private function named `changeHandler` that takes one parameter named `event` datatyped as `ListEvent`. The function returns `void`.

```
private function changeHandler(event:ListEvent):void{
}

```

- Switch to the **Flex Debugging** perspective.



15. Add a **break point** to the line with the closing curly brace by double clicking in the marker bar next to the line number associated with the brace.

```

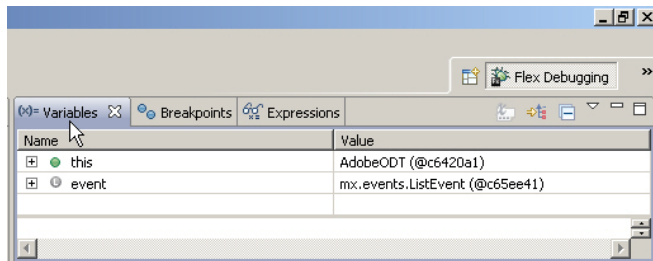
9
10
11
12
13
import mx.events.*
private function
}
]]>
</mx:Script>

```

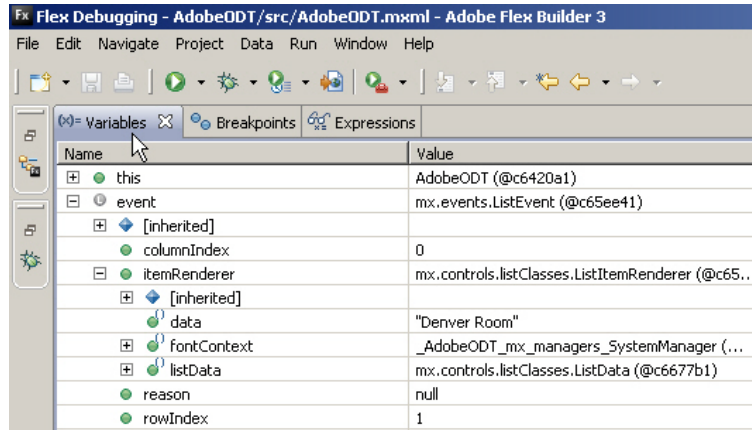
16. Save and debug the application.



17. In the browser, click a room in the list. This will return you to **Flex Builder**.
18. Double click the **Variables** view tab to maximize it.

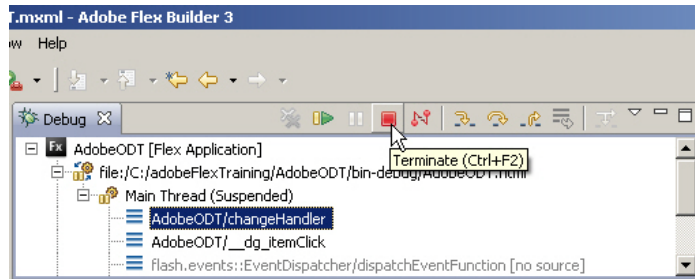


19. Expand the **event** variable, and then expand the **itemRenderer** variable. You should see the **data** variable with the value you selected.



20. Double click the **Variables** view to collapse it.

21. Stop the debugging session by clicking the red square.



22. Return to the **Flex Development** perspective.