

Implementing Drag and Drop between Components

Create drag action on List control

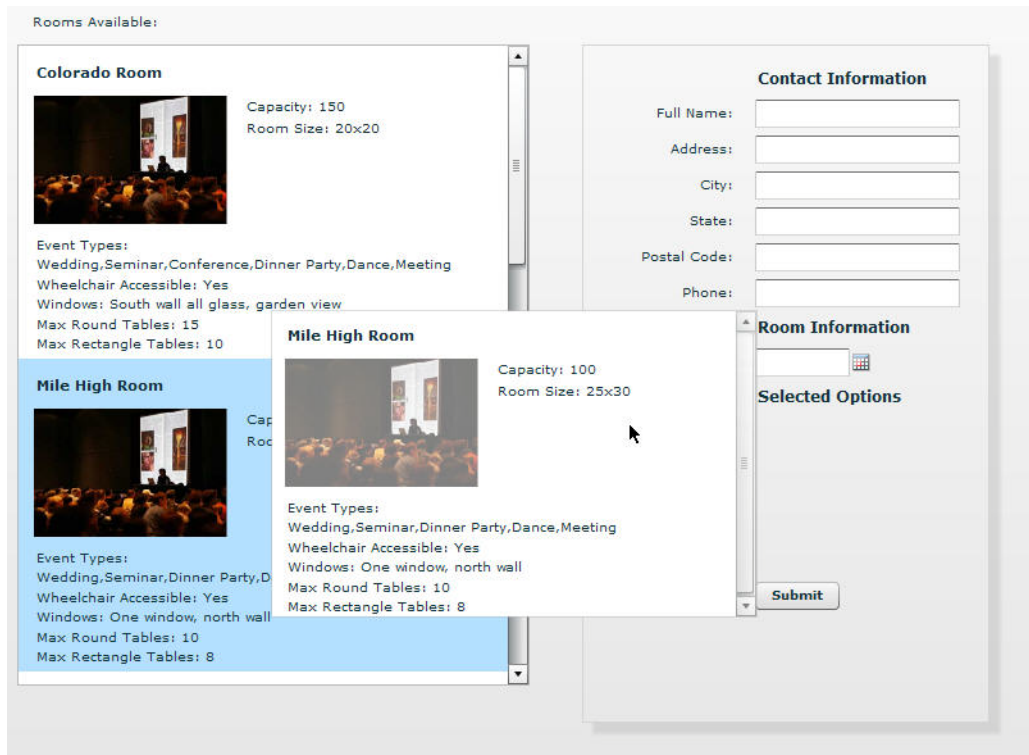
1. In **AdobeODT.mxml** locate the **Script** block.
2. After the last import statement, import the **IUIComponent**, **DragManager** and **DragEvent** classes.

```
import mx.core.IUIComponent;
import mx.managers.DragManager;
import mx.events.DragEvent;
```
3. Locate the **List** control.
4. Add the **dragEnabled** property with a value of **true**.
5. Add a **width** property having a value of **400** and a **height** property having a value of **500**.

```
<mx:List id="dg"
  x="0" y="142"
  dataProvider="{roomList}"
  itemRenderer="components.RoomRenderer"
  labelField="name"
  width="400" height="500"
  dragEnabled="true" />
```

6. Save the file and run.

Click and drag a room from the **List** control to the Form and release. You should see the drag data return to the Form.



Create a property in the custom component

7. In **ReservationForm.mxml** locate the **Script** block.
8. Create a Bindable public variable named `selectedRoom` datatyped as `Object`.

```
[Bindable] public var selectedRoom:Object;
```

9. Save the file.

Create drop action on custom component

10. In **AdobeODT.mxml**, locate the **ReservationForm** component.
11. Add an `id` property having a value of `rf`.
12. Add the `dragEnter` property having a value of `doDragEnter(event)`.
13. Add the `dragDrop` property having a value of `doDragDrop(event)`.

```
<comp:ReservationForm id="rf"
    x="441" y="142" width="318" height="529"
    selectedOptions="{selectedOptions}"
```

```
dragEnter="doDragEnter(event)"
dragDrop="doDragDrop(event)" />
```

14. Locate the **Script** block.

15. Before the end of the **Script** block, create a private function named `doDragEnter` that takes one parameter named `event` datatyped as `DragEvent`. The function returns `void`.

```
private function doDragEnter(event:DragEvent):void{

}
```

16. Within the function, invoke the `acceptDragDrop()` method of the `DragManager` class. Cast the `event.target` as `IUIComponent` and pass the parameter to the method.

```
DragManager.acceptDragDrop(event.target as IUIComponent);
```

17. Before the end of the **Script** block, create a private function named `doDragDrop` that takes one parameter named `event` datatyped as `DragEvent`. The function returns `void`.

```
private function doDragDrop(event:DragEvent):void{

}
```

18. Within the function create and instantiate a local variable named `dropData` datatyped as `Object`.

```
var dropData:Object = new Object();
```

19. Use the `dataForFormat('items')` method of the `event.dragSource` and assign the data to `dropData`.

```
dropData = event.dragSource.dataForFormat('items');
```

20. Assign the zero index of `dropData` to the `selectedRoom` property of `rf`.

21. Save the file and run.

Click and drag a room from the **List** control to the **Form** and release. You should see that the **Form** accept the drag data and disappear.

Modify the Form to display data from the drag event

22. In **ReservationForm.mxml** locate the **Script** block.

23. Create a Bindable public variable named `selectedRoom` datatyped as `Object`.

```
[Bindable] public var selectedRoom:Object;
```

24. Locate the **FormItem** tags that contain the **DateField**.

25. After this **FormItem**, add a `FormItem` with a `label` property having a value of `Event Type:`.

26. Within the **FormItem**, create a `ComboBox` control with an `id` property of `eventtype`. Add the `dataProvider` property with a value bound to `selectedRoom.eventtypes.event`. Add a `prompt` property with a value of `Select`.

```
<mx:FormItem label="Event Type:">
    <mx:ComboBox id="eventtype"
        dataProvider="{selectedRoom.eventtypes.event}"
        prompt="Select"/>
</mx:FormItem>
```

27. Add another `FormItem` with a `label` property having a value of `Room Name:`.

28. Within the **FormItem**, add a `Text` control with an `id` property having a value of `roomname`. Add a `text` property with a value bound to `selectedRoom.roomname`.

```
<mx:FormItem label="Room Name:">
    <mx:Text id="roomname" text="{selectedRoom.name}"/>
</mx:FormItem>
```

29. Add a `FormItem` with a `label` property having a value of `Capacity:`.

30. Within the **FormItem**, create a `Text` control with an `id` of `capacity` and a `text` property bound to `selectedRoom.capacity`.

```
<mx:FormItem label="Capacity:">
    <mx:Text id="capacity" text="{selectedRoom.capacity}"/>
```

```
</mx:FormItem>
```

31. Add a `FormItem` with a `label` property having a value of `Room Size:`.
32. Within the **FormItem**, create a `Text` control with an `id` of `roomsiz` and a `text` property bound to `selectedRoom.roomsiz`.

```
<mx:FormItem label="Room Size:">  
    <mx:Text id="roomsiz" text="{selectedRoom.roomsiz}"/>  
</mx:FormItem>
```

33. Save the file and run.

Click and drag a room from the List control to the Form and release. You should see the form display the data from the drag event.

XYZ Convention Center
111 49th Ave, Denver, CO 80634 Phone: 303-555-1212 Fax: 303-555-1234

Room Reservation System

Please select any additional amenities needed for your room. Our staff will contact you to finalize your reservation.

Microphone Dance Floor Food Station Security Extra Trash Recepticals
 Projector Special Lighting Color Table Linens Waitstaff Additional Electrical Outlets

Rooms Available:

- Colorado Room**
Capacity: 150
Room Size: 20x20
Event Types: Wedding, Seminar, Conference, Dinner Party, Dance, Meeting
Wheelchair Accessible: Yes
Windows: South wall all glass, garden view
Max Round Tables: 15
Max Rectangle Tables: 10
- Mile High Room**
Capacity: 100
Room Size: 25x30
Event Types: Wedding, Seminar, Dinner Party, Dance, Meeting
Wheelchair Accessible: Yes
Windows: One window, north wall
Max Round Tables: 10
Max Rectangle Tables: 8
- Bronco Room**
Capacity: 75
Room Size: 15x13

Contact Information

Full Name:
Address:
City:
State:
Postal Code:
Phone:

Room Information

Date Needed:
Event Type:
Room Name: Colorado Room
Capacity: 150
Room Size: 20x20

Selected Options

Selected Options: