JSF Data Table

Topics

- Create JSF Data Table

- Define Managed Beans

- Create JSF page

JSF Data Table - Example

Student Table Demo

First Name	Last Name	Email
Mary	Public	mary@luv2code.com
John	Doe	john@luv2code.com
Ajay	Rao	ajay@luv2code.com

JSF Data Table - looping

✤ Can use JSF data table tags to loop over various collections of data

   ✤ Arrays
   ✤ Lists
   ✤ Collections

Student Table Demo

First Name	Last Name	Email
Mary	Public	mary@luv2code.com
John	Doe	john@luv2code.com
Ajay	Rao	ajay@luv2code.com

To Do List

1. Create Managed Bean

2. Create JSF Page for Looping

Step 1: Create Managed Bean

✤ Managed bean will provide a getter method for the "list" of data

```
 9  @ManagedBean
10  @ApplicationScoped
11  public class StudentDataUtil {
12
13      private List<Student> students;
14
15      public StudentDataUtil() {
16          loadSampleData();
17      }
18
19      public void loadSampleData() {
20          students = new ArrayList<>();
21
22          students.add(new Student("Mary", "Public", "mary@luv2code.com"));
23          students.add(new Student("John", "Doe", "john@luv2code.com"));
24          students.add(new Student("Ajay", "Rao", "ajay@luv2code.com"));
25      }
26
27      public List<Student> getStudents() {
28          return students;
29      }
30  }
```

Step 2: Create JSF Page - Data Table

✤ JSF page will loop over the data and generate an HTML table

File: student_table_demo.xhtml

```
16
17   <h:dataTable value="#{studentDataUtil.students}" var="tempStudent"
18       border="1">
19
20       <h:column>
21           <!-- the column header -->
22           <f:facet name="header">First Name</f:facet>
23
24           <!--  the value for each row -->
25           #{tempStudent.firstName}
26       </h:column>
27
28       <h:column>
29           <!-- the column header -->
30           <f:facet name="header">Last Name</f:facet>
31
32           <!--  the value for each row -->
33           #{tempStudent.lastName}
34       </h:column>
35
```

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JSF Data Table Demo

Summary

- Create JSF Data Table

- Define Managed Beans

- Create JSF page

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