

Displaying Data with JSF Lists



Topics

- Create JSF UI Lists
- Define Managed Beans
- Create JSF page

JSF Lists - Example

Student List Demo

- Mary Public
- John Doe
- Ajay Rao

JSF Lists - looping

- ❖ Can use JSF tags to loop over various collections of data
 - ❖ Arrays
 - ❖ Lists
 - ❖ Collections

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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 for Looping

- ❖ JSF page will loop over the data and generate an HTML unordered list: ``

File: student_list_demo.xhtml

```
<h:body>
  <h3>Student List Demo</h3>
  <hr/>

  <ul>
    <ui:repeat var="tempStudent" value="#{studentDataUtil.students}">

      <li>#{tempStudent.firstName} #{tempStudent.lastName}</li>

    </ui:repeat>
  </ul>
</h:body>
```

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JSF List Demo

Summary

- Create JSF UI Lists
- Define Managed Beans
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