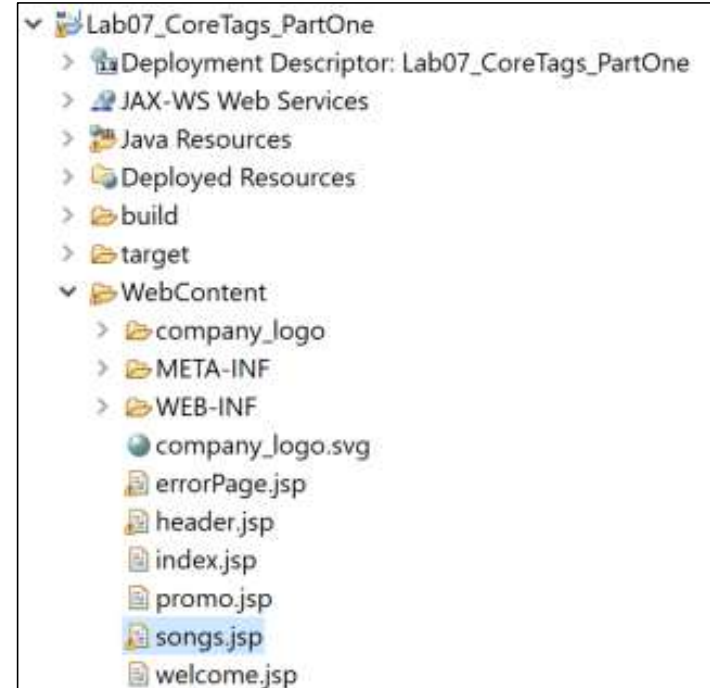


Lab 7 – Core Tags, Part 1

Let's clean up our songs.jsp page by replacing some of the scriptlets with a forEach tag

Copy Lab07_CoreTags_PartOne_Starter into a new project named Lab07_CoreTags_PartOne

We'll work primarily in the songs.jsp file



Lab 7 – Core Tags, Part 1

Add the jstl dependency to your pom file (inside dependencies tag> tags)

- Note the version is 1.2

```
<dependency>  
  <groupId>javax.servlet</groupId>  
  <artifactId>jstl</artifactId>  
  <version>1.2</version>  
</dependency>
```

Add the taglib directive at the top of your songs.jsp

- Convention is to place directly under page directive

```
<%@ page . . . %>  
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
```

Lab 7 – Core Tags, Part 1

In songs.jsp edit our if statement to just check the “Songs” attribute is present

- We’ll leave the if statement scriptlet for now (will take care of it next lab)

```
//delete this line: List<Song> songs = (List<Song>) session.getAttribute("Songs");
```

```
<%
```

```
    if ((List<Song>) session.getAttribute("Songs") != null) {
```

```
%>
```

Replace the for loop in a scriptlet with a forEach tag

- Solution on next page...but try and work it out on your own first
- HINT: you will need at least
 - c:forEach
 - c:out

Lab 7 – Core Tags, Part 1

Replace the for loop in a scriptlet with a forEach tag

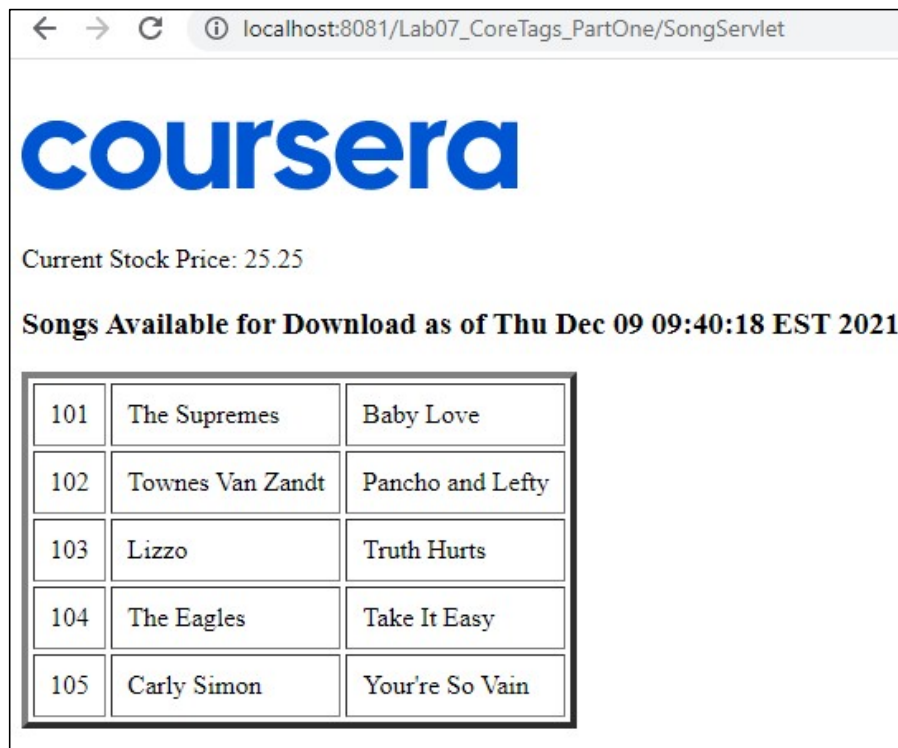
```
<% if ((List<Song>) session.getAttribute("Songs") != null) { %>

<table style=margin: "8"; cellpadding="9" cellspacing="3" border="4">
  <c:forEach items='${sessionScope.Songs}' var='song'>
    <tr>
      <td><c:out value='${song.id}' /></td>
      <td><c:out value='${song.artist}' /></td>
      <td><c:out value='${song.title}' /></td>
    </tr>
  </c:forEach>

<% } else {
    throw new NoSuchElementException("The requested attribute was not found in the session");
  }
%>
</table>
```

Lab 7 – Core Tags, Part 1

Run the application and check that the songs display properly



The screenshot shows a web browser window with the address bar displaying 'localhost:8081/Lab07_CoreTags_PartOne/SongServlet'. The page content includes the Coursera logo, the text 'Current Stock Price: 25.25', and a heading 'Songs Available for Download as of Thu Dec 09 09:40:18 EST 2021'. Below the heading is a table with 5 rows and 3 columns. The first column contains indices 101 through 105. The second column contains artist names: 'The Supremes', 'Townes Van Zandt', 'Lizzo', 'The Eagles', and 'Carly Simon'. The third column contains song titles: 'Baby Love', 'Pancho and Lefty', 'Truth Hurts', 'Take It Easy', and 'Your're So Vain'.

101	The Supremes	Baby Love
102	Townes Van Zandt	Pancho and Lefty
103	Lizzo	Truth Hurts
104	The Eagles	Take It Easy
105	Carly Simon	Your're So Vain

