

Building ToDo app nav bar and jsp fragments

Adding navigation bar to application

After <body> in todo.jsp add the following code. If it doesn't work try with a lower version

```
<nav role="navigation" class="navbar navbar-default">
    <div class="">
        <a href="http://www.in28minutes.com" class="navbar-brand">Todo App</a>
    </div>
    <div class="navbar-collapse">
        <ul class="nav navbar-nav">
            <li class="active"><a href="/login">Home</a></li>
            <li><a href="/list-todos">Todos</a></li>
        </ul>
    </div>
</nav>
```

Instead of adding this in all other pages we can make it generic in all pages. Its called as JSP Fragments. Lets do it

Create a new folder common and have header.jspf, footer.jspf and navigation.jspf file created.

Now put this below code to header.jspf

```
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/fmt" prefix="fmt"%>
<%@taglib uri="http://www.springframework.org/tags/form"
prefix="form"%>
<html>
    <head>
        <title>First web application</title>
        <link href="webjars/bootstrap/3.4.1/css/
bootstrap.min.css" rel="stylesheet">
    </head>

    <body>
```

Now put this below code to footer.jspf

```
<script src="webjars/jquery/3.5.1/jquery.min.js"></script>
<script src="webjars/bootstrap/3.4.1/js/
bootstrap.min.js"></script>
<script src="webjars/bootstrap-datepicker/1.9.0/js/
bootstrap-datepicker.js"></script>

<script>
    $('#targetDate').datepicker({
        format : 'dd/mm/yyyy'
    });
</script>
</body>
</html>
```

Now put this below code to navigation.jspf

```
<nav role="navigation" class="navbar navbar-default">
    <div class="">
        <a href="http://www.in28minutes.com" class="navbar-brand">Todo App</a>
    </div>
    <div class="navbar-collapse">
        <ul class="nav navbar-nav">
            <li class="active"><a href="/login">Home</a></li>
            <li><a href="/list-todos">Todos</a></li>
        </ul>
    </div>
</nav>
```

Remove these code from todo.jsp and add a link to common files
todo.jsp

```
<%@ include file = "common/header.jspf"%>
<%@ include file = "common/navigation.jspf"%>
<div class = "container">
    Add Todo page for ${name}

    <form:form method="post" modelAttribute="todo">
        <fieldset class = "form-group">
            <form:label path = "desc">Description</form:label>
            <form:input path = "desc" type = "text" class =
"form-control" required="required"/>
            <form:errors path = "desc" cssClass = "text-
warning"/>
        </fieldset>
        <fieldset class = "form-group">
            <form:label path = "targetDate">Target Date</
form:label>
            <form:input path = "targetDate" type = "text" class
= "form-control" required="required"/>
            <form:errors path = "targetDate" cssClass = "text-
warning"/>
        </fieldset>
        <button type = "submit" class = "btn btn-success">Add</
button>
    </form:form>

</div>
<%@ include file = "common/footer.jspf"%>
```

list-todos.jsp

```
<%@ include file = "common/header.jspf"%>
<%@ include file = "common/navigation.jspf"%>
    <div class = "container">
        <caption>Your Todos are</caption>
        <table class = "table table-striped">
            <thead>
                <tr>
                    <th>Description</th>
                    <th>Target Date</th>
```

```

        <th>Is it Done ?</th>
        <th></th>
        <th></th>
    </tr>
</thead>
<tbody>
    <c:forEach items="${todos}" var = "todo">
        <tr>
            <td>${todo.desc}</td>
            <td><fmt:formatDate value="${
{todo.targetDate}" pattern = "dd/MM/yyyy"/></td>
            <td>${todo.done}</td>
            <td><a type = "button" class = "btn
btn-success" href = "/update-todo?id=${todo.id}">Update</a></td>
            <td><a type = "button" class = "btn
btn-warning" href = "/delete-todo?id=${todo.id}">Delete</a></td>
        </tr>
    </c:forEach>
</tbody>
</table>
<div>
    <a class = "button" href = "add-todo">Add a Todo</
a>
</div>
<script src="webjars/jquery/3.5.1/jquery.min.js"></
script>
    <script src="webjars/bootstrap/3.4.1/js/
bootstrap.min.js"></script>
</div>
<%@ include file = "common/footer.jspf"%>

login.jsp
<%@ include file = "common/header.jspf"%>
<%@ include file = "common/navigation.jspf"%>
    <form method = "post">
        Name : <input type = "text" name = "name"/>
        Password : <input type = "password" name = "password"/
    ><br>
        <input type = "submit"/>
    </form>
    <font color = "red">${errorMessage}</font>
<%@ include file = "common/footer.jspf"%>

welcome.jsp
<%@ include file = "common/header.jspf"%>
<%@ include file = "common/navigation.jspf"%>
    Welcome !!! $
    {name}<br>
    <a href = "/list-todos">Click here</a> to manage your todo's.
<%@ include file = "common/footer.jspf"%>

```