Learn how to create an MVC style application.

MVC

Assignment 5

Due Date: Oct 03, 4:00pm

# Create a MVC application where user logins in and is guided to capture different section of a resume in navigation style format & Display information on Single page.

Note: Wherever (*additional*) is mentioned, its optional.

Also review SessionManagement.zip (Attached a new ZIP)

## User Case:

1. User will login into the application, based on username and password combination.
   1. username and password combination should be stored at application level.

Note: You can create a Registration page that will store the username and password in the application scope. (*Additional*)

1. Controller would receive the request. Based on the state and button action (Hint: Submit button name) the controller will navigate to the corresponding servlet which calls the JSP.
2. The application, will navigate between
   * 1. Lines about yourself.
     2. Education Information (college name , GPA and other information in independent input fields)
     3. Skills you want to capture. (Ask user to input skills based on out of 10)

Note: You can add other JSP pages (*Additional*)

Note: JavaScript / CSS now would be page specific. Since each input page is now split into different JSP pages.

1. After the user hits submits, the controller would detect if action is SUBMIT and then call the Servlet to display the model information in a JSP. JSP can be broken down , which will INCLUDE multiple JSP, where each JSP is responsible to display a section of the resume.

Note: All actions, should be via CONTROLLER.

## Architecture:

1. Create an MVC style application.
2. **Controller** responsibility are.
   1. Session Validation
      1. If (session invalid and/or state does not exist) and (action is login), the controller will authenticate the user and based on the status of login will navigate to Dashboard or Login. **Note:** On success will create user object and state object.
      2. If (session invalid and/or state does not exist) and (action is NOT login), then controller should evicting the user out of the application.
   2. Navigation Control.
      1. Based on the user current state(page) and the action(next/back/submit) the user would like to perform; the controller would navigate the user.

**Note**: Current State and Action, both will decide the page to navigate.

1. **View**, would be a JSP page, but is supported by a Servlet to help in getting the model for the view to display the information ( eg: OrderServlet get the model may preprocess and forward request to Order.jsp to display)
2. **Model**, this would represent the information in POJO format to be displayed

## Note

1. **No Late Submission**.
2. TA will only assist in Tomcat/Eclipse and JSP/Servlet issues.
3. **Any Student found copying or assisting other students by sharing will receive an F grade.**