

Spring MVC

Searching for a Specific User and Updating the User Information..

Project objective:

Created a Spring MVC web application that will retrieve users based on their user ID. The retrieved user data will then be edited in a form and updated in the database. The entire database processing is done using Hibernate. Front pages is made in JSP.

The following are used for the creation of the application:

- Eclipse as the IDE
- Apache Tomcat as the web server
- Spring MVC with Hibernate, log4j, and MySQL Connector

Requirements met:

- Created a JSP page to take in a user ID
- Created a controller that will validate the user ID. If it is invalid, it will display a JSP page with an error message. If it is valid, it will retrieve user details from the database and show an edit form in JSP.
- Once the edit form is submitted, the controller will update the details in the database. A confirmation JSP page will be shown.
- Followed the standard methodology of creating controllers, services, dao, and entity classes.

Data flow of the application:

1. Start
2. Index page is the first page where hyperlinks to add employee, edit employee and view employee are given.
3. Add employee will redirect to a jsp page where the user can create a new employee object using form and insert it into the database.

4. Edit employee jsp page will search the employee by Id and will provide a form to edit other employee details and submit.
5. View all employee page will list out all the employee details in a table for the user.
6. Stop.