

Learner's Academy Portal

Project Detail

Project Name: Learner's Academy portal

Project Version:1.8

Project Details: This project is for the design and developing a backend administrative portal for the Learner's Academy using Java EE technologies

Objective: The Objective of this project is to apply Servlet , jsp and JDBC concepts to become back-end expert

Developer Detail

Name: Aman Kumar Verma

Simplilearn user ID: amanv7518@gmail.com

Github User Id: AmanKumarVerma2496

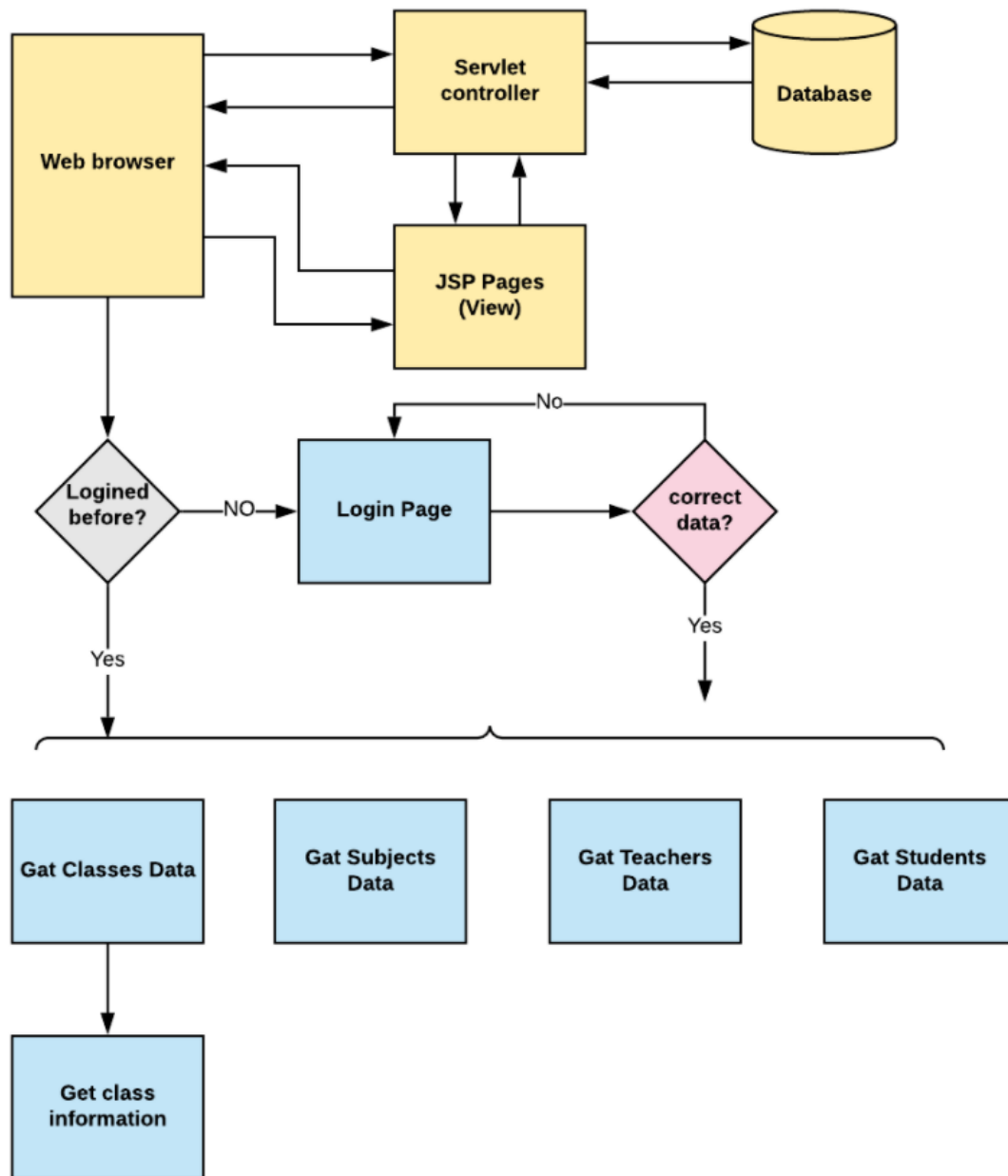
Github project Repository Link:

<https://github.com/AmanKumarVerma2496/Learning-Acadmic-Portal>

Technologies and tools Used:

- Servlet: to do the business logic and works a controller for the project.
- JSP: to handle the presentation view.
- SQL: to create and manage the database.
- JDBC: to make operations on the database for the project.
- CSS: to format the contents.
- Eclipse: to write and run the code.
- Tomcat: to run and deploy servlet application.

Flow Chart:



Sprint Plan:

Sprint 1:

1. Create database and tables.
2. Connect the database to the project.
3. Create models classes.
4. Create a database utility class to retrieve data.
5. Create login page.

Sprint 2:

1. Create JSP files for all pages of the project.
2. Create a servlet to get requests and send responses to the JSP files.
3. Create a CSS file to format the contents.
4. Debug and Test the project.

Concept used in this programme:

1. Object-Oriented: used to create and model objects for users and their credentials.
2. Databases: used to store and retrieve data.
3. Data Sources: used to define a set of properties required to identify and access the database.
4. Collections: used some collections such array list to store collection of data.
5. Exception Handling: used to catch problems that arise in the code especially in I/O blocks.
6. Cookies: to store log-in data on the client browser. Searching and Sorting.