

LockedMe.com Specification Document

Project Detail :-

Project Name: Learner's Academy

Project Version: 1.0

GitHub repository link: <https://github.com/angshuma123/Learner-s-Academy-Project-2>

Project Details: This project is for the design and development of 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.

Developer Detail

Name: Angshuman Bhattacharyya

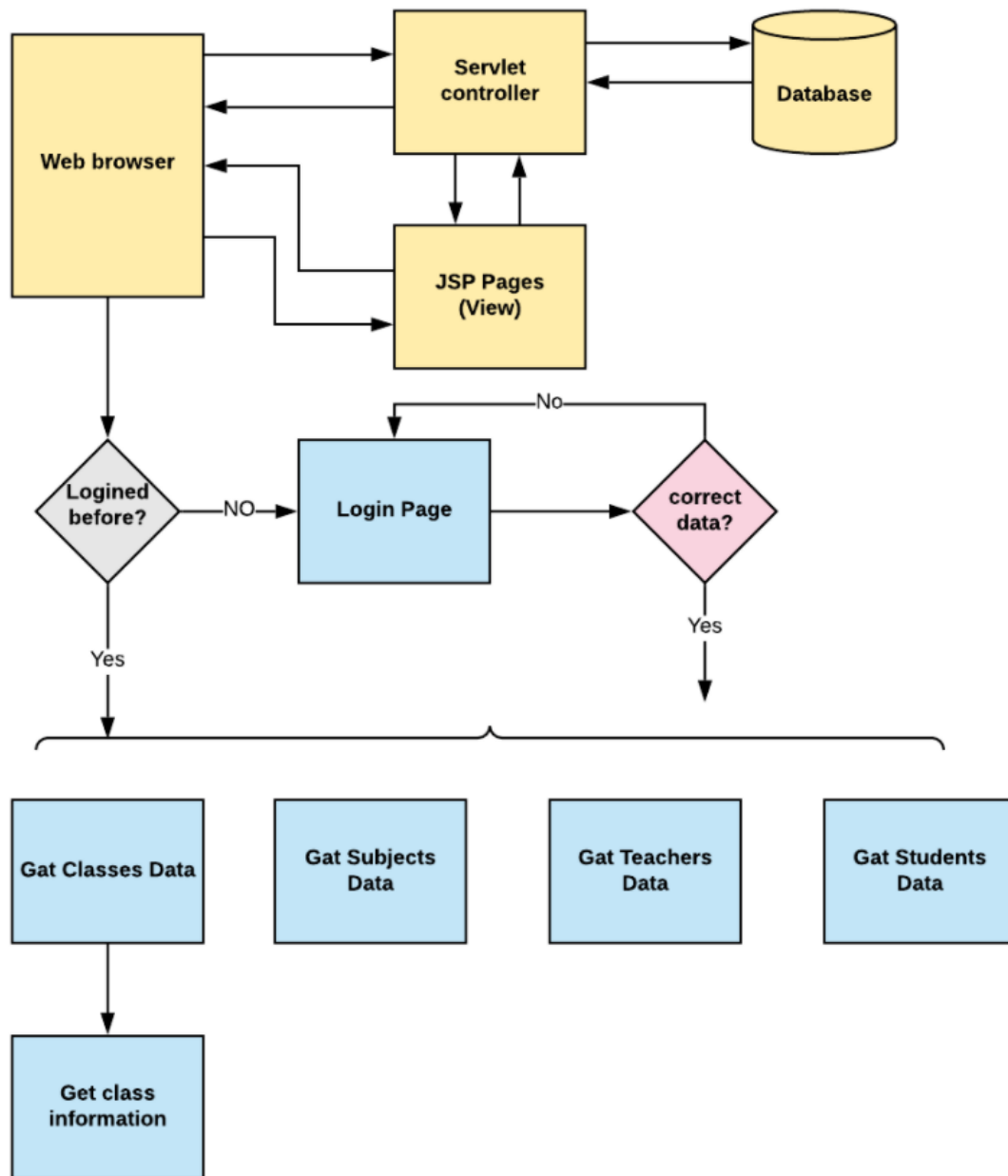
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Batch: JG FSJD Oct 2022 COHORT 1

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 as ArrayList 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

How to run the program:

1. clone project
2. Import the “database\database.sql” file to your database administration tool.
3. Go to “\src\main\webapp\META-INF\context.xml” file and open it.
4. Edit the database’s properties such as username, password, and driverClassName to be suited to your database administration tool.
5. Now run the program on a server.
6. To log in you must enter admin for both username and password.