ADMIN-PORTAL

This document contains sections for:

- Sprint planning and Task completion
- Core concepts used in project
- Flow of the Application.
- Demonstrating the product capabilities, appearance, and user interactions.
- Conclusions

The project is developed by Narendra Mandwe.

The code for this project is hosted at:

https://github.com/NarendraMandwe/School-Admin-Project.git

Sprints planning and Task completion

The project is planned to be completed in 1 sprint. Tasks assumed to be completed in the sprint are:

- Creating the flow of the application
- Initializing git repository to track changes as development progresses.
- Writing the Java program to fulfill the requirements of the project.
- Testing the Java program with different kinds of User input
- Pushing code to GitHub.
- Creating this specification document highlighting application capabilities, appearance, and user interactions.
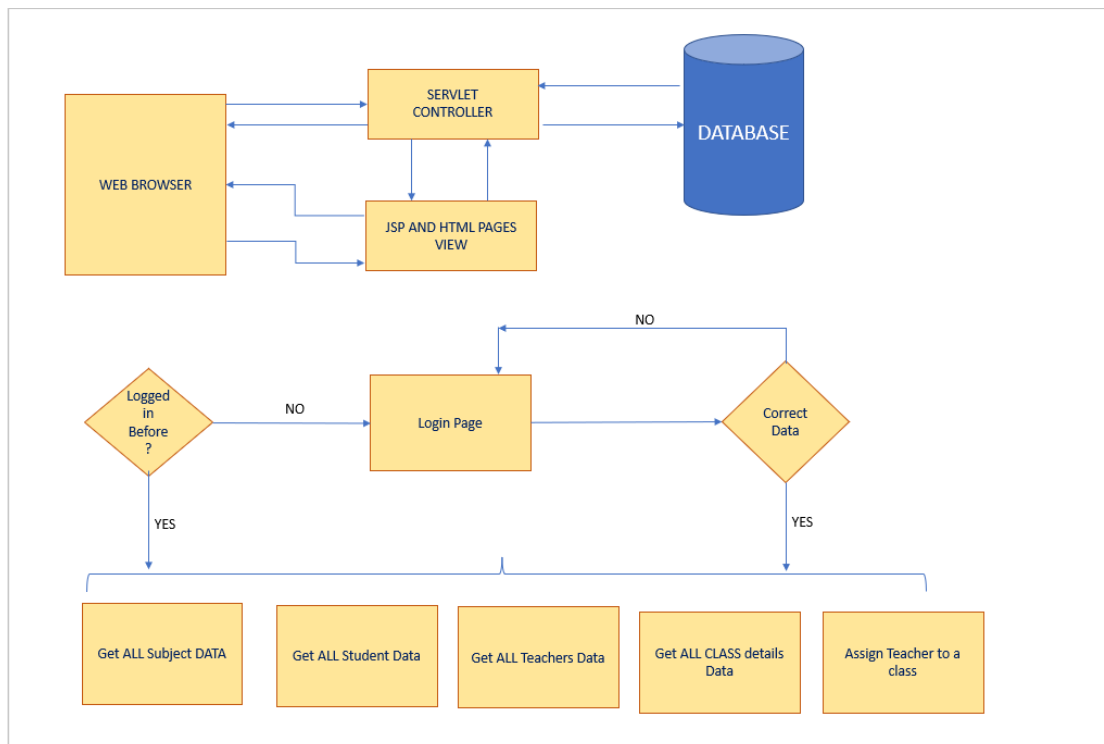
Technologies and tools Used

- • Servlet: to do the business logic and works a controller for the project.
- • JSP and HTML: 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 and load image files.

- • Mysql workbench: to administrate and manage the database manually.
- • Eclipse: to write and run the code.
- • Tomcat 9 : to run and deploy servlet application.

Product Backlog:

- Create database and tables.
- Connect the database to the project.
- Create models classes.
- Create a database utility class to retrieve data.
- Create login page.
- Create HTML and JSP files for pages of the project.
- Create a servlet to get requests and send responses to the JSP and HTML files.
- Add cookies.
- Create a CSS file to format the contents.
- Debug and Test the project.

Flow of the Application:

Demonstrating the product capabilities, appearance, and user interactions

To demonstrate the product capabilities, below are the sub-sections configured to highlight appearance and user interactions for the project:

How to run the program

• clone project

• Import the "database\scl.sql" file to your database administration tool.

• Go to all the servlet class files, HTML class files and XML files and change the database connection to your database: below is the screenshot reference

```
Class.forName("com.mysql.jdbc.Driver");
Connection connect = DriverManager.getConnection("jdbc:mysql://localhost:3306/scl","root","root");
Statement stmt = connect.createStatement();
```

• Now right click on project run program on a server (NOTE you must user Tomcat 10 Server).

• To login you must enter admin for both username and password("Narendra","1234")