

FUNCTIONAL SPECIFICATION DOCUMENT

Project: Backend Administrative Portal, Learner's Academy

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Project's Repository: https://github.com/Nana-KJ/FSJD_Project2.git

PROJECT DETAIL:

The application is an online management system for Learner's Academy. It keeps track of its Classes held, Subjects taught, Students, and Teachers in the school.

The application is designed to have a single Admin log-in to access the back-end system.

SPRINTS:

Sprint I

1. Plan out the entire application flow.
2. Create the Database and tables using SQL
3. Connect the database to the main project

Sprint II

Plan and define the application's framework, data structures and concepts such as exceptions, collection, and sorting techniques

- a. Create model classes
 - i. Class
 - ii. Student
 - iii. Subject
 - iv. Teacher
- b. Create database utility class
- c. Create Log-in page
- d. Create JSP files for all pages
- e. Create Servlet
- f. Add Cookies
- g. Design an extra business operation to Log-out the application.

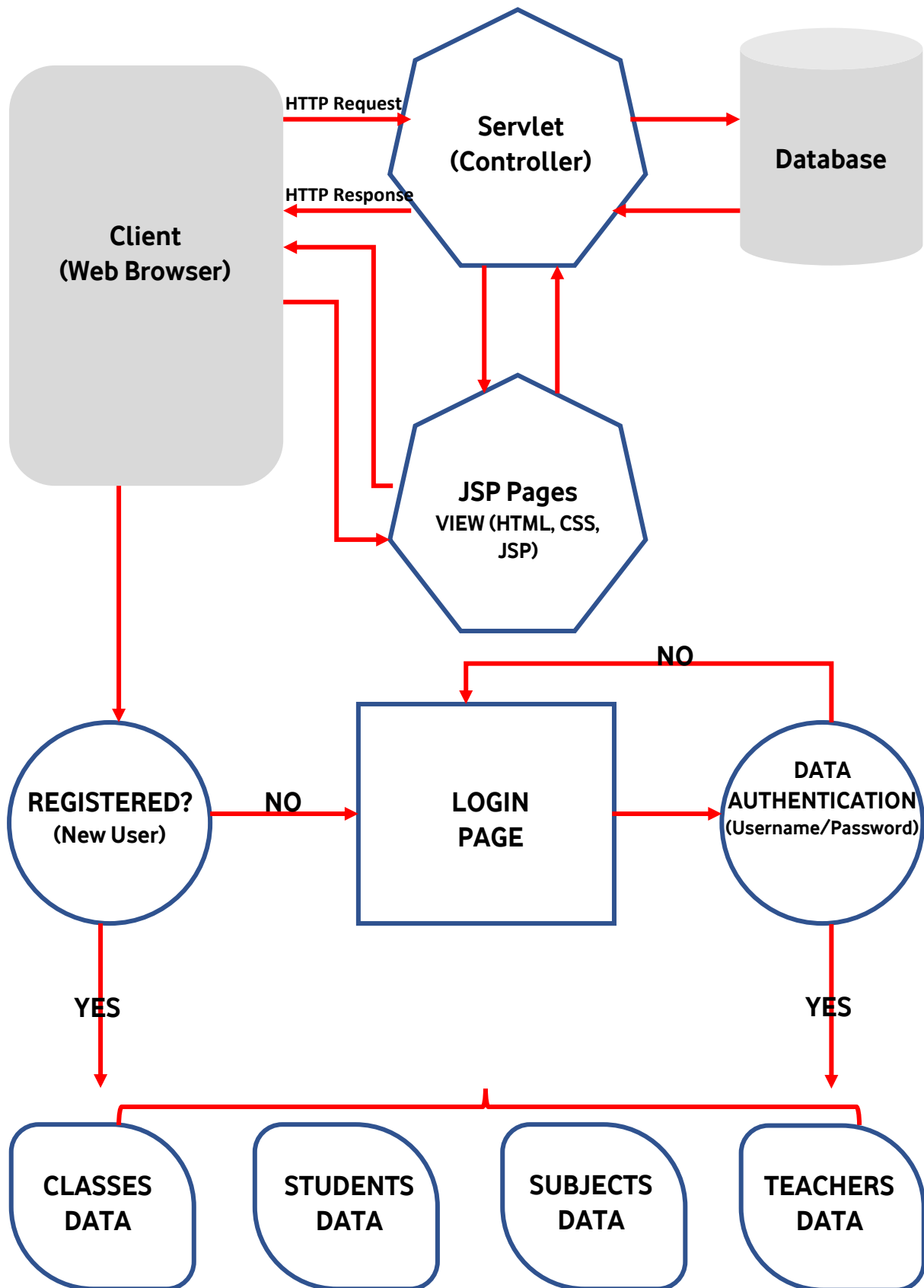
Sprint III

Test and deploy the application

BUSINESS OPERATIONS AND TECHNOLOGIES

1. Apache-Tomcat-9.0.65: To deploy the Web Application for the school
2. SQL: To create the database and manage the tables
3. JSP: To handle the Business Logic view
4. JDBC: API to access the Database Management System
5. Eclipse: IDE used to write and run code
6. Servlet: To do the business logic by means of a request-response model

FLOWCHART OF THE APPLICATION



SCREENSHOTS

Login Page:

Admin Login

Username :

Password :

☒ Remember me

Students' List:

Administrative Academy Portal	Students		
	First Name	Last Name	age
	Winifred	Baah	28
	Stephen	Nkansah	20
	Bridget	Baah-Nkansah	25
	Martin	Oduro-Nyarko	30
	Eliana	Oduro	18
Students	Ayeyi	Atuahene	32