**Phase 2**

**Course-end Project 2**

**Developer Details :**

**Seelam Sindhuja**

**Email: ssindhuja@teksystems.com**

**Emp Id : 10840**

**Project Objective :**

As a Full Stack Developer, design and develop a backend administrative portal for the Learner’s Academy. Use the GitHub repository to manage the project artifacts

**Project Overview :**

The project is designed to provide user ability to handle and manage administrative portal of

Learner’s Academy

**Project Capability :**

The project is capable of displaying complete information of classes , students and teachers and also can able to allocate subjects and teachers to classes based on the requirement.

**Project Appearance :**

Appearance of the first screen of the project is the welcome screen with admin login page taking username and password of the admin. Then there will be options to go through the master lists of projects

**User Interactions :**

Once user successfully logged in then there will be options for the user to interact in order to display master list of his choices and also can allocate subjects and teachers to a particular class

**Project Git hub link :**

https://github.com/SindhujaSeelam/ServletDemos/tree/main/LearnersAcademyProject

**Sprint Planning :**

I have divided project into 3 sprints.

Sprint 1:

In sprint 1 I have configured all the requirements of the project at first and then designed rough outline of the project. I have first started to design SQL tables namely classes table, teachers table, subjects table and students table.

Sprint 2:

In sprint 2 I have coded all the required servlets and jsp pages and also the first screen of the project which consists of Admin login interface . This sprint took me 4 to 5 days.

Sprint 3:

In sprint 3 I have implemented all front end designing to have easy interaction for the users and also coded all the exceptions that can happen while entering data in the portal and made connection between all the servlets and JSP pages.

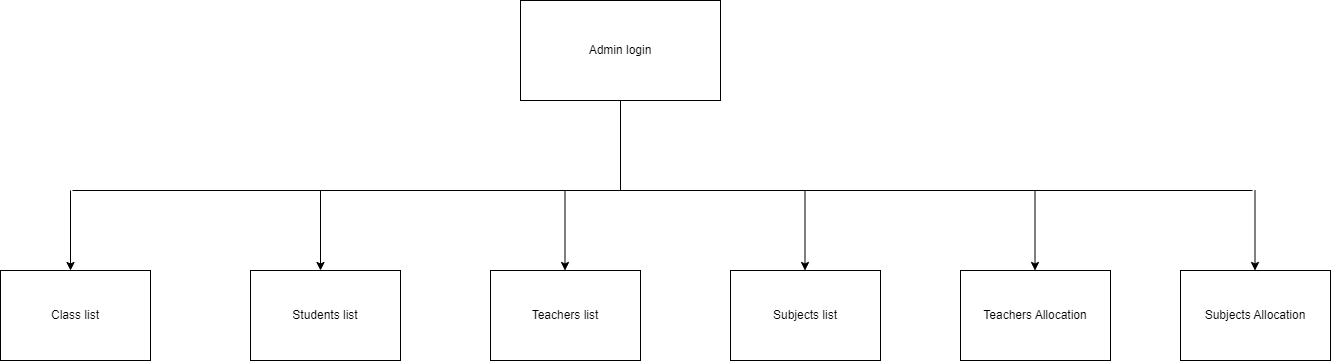
Admin username : Sindhuja

Admin password : Sindhuja123

Concepts Used:

* Servlets
* JSP pages
* Resource pooling
* SQL queries
* Database connection statements
* Collections(Array List)
* Conditional Statements
* While Loop

**Flowchart of the program**



Algorithm of Application:

Step 1: START

Step 2: run main HTML page(home.html)

Step 3: Displays

Admin Login

Step 4: Enter username and password

Step 5 : Displays options to see

Master lists

allocation of subjects and teachers

Step 6: Select any allocation option

Step 7: Select class and subject to allocate

Step 8: Check updated information

Step 9: STOP