**Backend Admin for Learner’s Academy.**

## Project Details

This project was done to fulfil the mandatory criteria of end of phase 2 of Simpli learn’s full stack java developer course.

Here as a Full Stack Developer, I have designed and developed a backend administrative portal for the Learner’s Academy and used the GitHub repository to manage the project artefacts.

## Developer Details

This project is designed, developed & deployed to github by Vibhore Manjrekar, student at SimpliLearn – Full Stack Java Developer Course.

## Background of the problem statement:

Learner’s Academy is a school that has an online management system. The system keeps track of its classes, subjects, students, and teachers. It has a back-office application with a single administrator login.

## Functionalities of the Web Application

The administrator can:

* Set up a master list of all the subjects for all the classes
* Set up a master list of all the teachers
* Set up a master list of all the classes
* Assign classes for subjects from the master list
* Assign teachers to a class for a subject (A teacher can be assigned to different classes for different subjects)
* Get a master list of students (Each student must be assigned to a single class)

There is an option to view a Class Report which will show all the information about the class, such as the list of students, subjects, and teachers

## Sprint Plan

### Sprint 1:

* Task 1: Create Logical flow chart
* Task 2: Create the project and import all dependencies, configure deployment descriptor
* Task 3: Create the index.html webpage
* Task 4: POC for drop down on JSP
* Task 5: Create Specification document, sprint plan document
* Task 6: Create the Database and all tables
* Task 6: Create Github repository

### Sprint 2:

* Task 1: Create the Html pages (View)
* Task 2: Create all servlets (Controller)
* Task 3: Create all java classes (Model)
* Task 4: Test all functionalities working as expected
* Task 5: Upload/commit the code to Github
* Task 6: Product release and share github URL for assessment

## Flowchart of the application

Please find the flowchart on below link:-

https://whimsical.com/lrnracad-project-4sUWqy3fhcj4mirG22RRRT

## DB Details

All DB & table related info can be found in “DB Design.txt” file.

## Core Concepts Used

List of core concepts for building the application:-

1. JAVA - OOPS
2. Servlets
3. HTML
4. JSP
5. JDBC
6. MySQL – v5.1.5
7. Git, GitHub
8. Scrum-Agile

## GitHub Repository Link

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