

# Learner's Academy Documentation

## 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.

## 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.

## 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)

## **Technologies and tools Used:**

- Servlet: to do the business logic and works as 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.
- phpMyAdmin: to administrate and manage the database manually.
- Eclipse: to write and run the code.
- Tomcat: to run and deploy servlet application.

## How to run the program

- clone project
- Import the "database\database.sql" file to your database administration tool.
- Go to "\src\main\webapp\META-INF\context.xml" file and open it.
- Edit the database' properties such as username, password and driverClassName to be suit to your database administration tool.
- Now run program on a server.
- To login you must enter admin for both username and password.

## Project Details

In this project we have created a dynamic web application for Learners academy

In this web application we login in to the portal and various section are displayed which shows the students ,teachers and subject list.

We have created a database in MySQL using xamp server we connect to the database

The administrative portal data base contains following table

- Classes
- Students
- Subject
- Teacher

Which contain the detail of student teachers and their subject

We can details of any other student in the database

We can logout of the portal using log out option

## Flow dig:-

