Learner’s Academy Project

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# Introduction

Learner’s Academy is an online management system of a school. It keeps a track of all the classes, subjects, students, and teachers. Management can be done with a single administrator login.

# Developer

Himanshu Yadav

# Product Backlog

1. Create database and tables.
2. Connect the database to the project.
3. Create models classes and database utility class to retrieve data.
4. Create JSP files for all pages of the project.
5. Create a servlet to get requests and send responses to the JSP files.
6. Create a CSS file to format the contents.
7. Debug and Test the project.

# Sprint Planning and Tasks

* Creating the flow of the application
* Code in java program to meet project requirement
* Testing java program to run Project Successfully without any error
* Push Code to GitHub**.**

# Framework and Technology Used

* Maven
* Java
* JEE
* JSP
* JSTL
* JDBC
* MYSQL
* HTML
* CSS
* Bootstrap
* XML
* Git and Github
* Agile Scrum Methodology

# Concepts and Algorithm Used

* File Handling - To handle file operations
* Streams - To make the code easy to read, and it reduces no. of lines
* Collections - To store and perform looping, searching, and sorting operations
* Object-Oriented: used to create and model objects for users and their credentials.
* Databases: used to store and retrieve data.
* Data Sources: used to define a set of properties required to identify and access the database.

# GitHub Link

<https://github.com/ydvhimanshu/Learner-s-Academy-Project>

# Conclusion

This project aims to design and develop a backend administrative portal for the Learner’s Academy using Java EE technologies. I developed it as a project of phase 2 for the Become a back-end expert course. The goal of this project is to apply servlet, jsp and JDBC concepts.