### Learner's Academy

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#### **Project Name**

Backend Admin for Leaner's Academy.

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.

This project is developed by considering Sprint planning, Flow-Chart drawing and Algorithm. Learner's Academy is having modules like,

- 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 will be 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

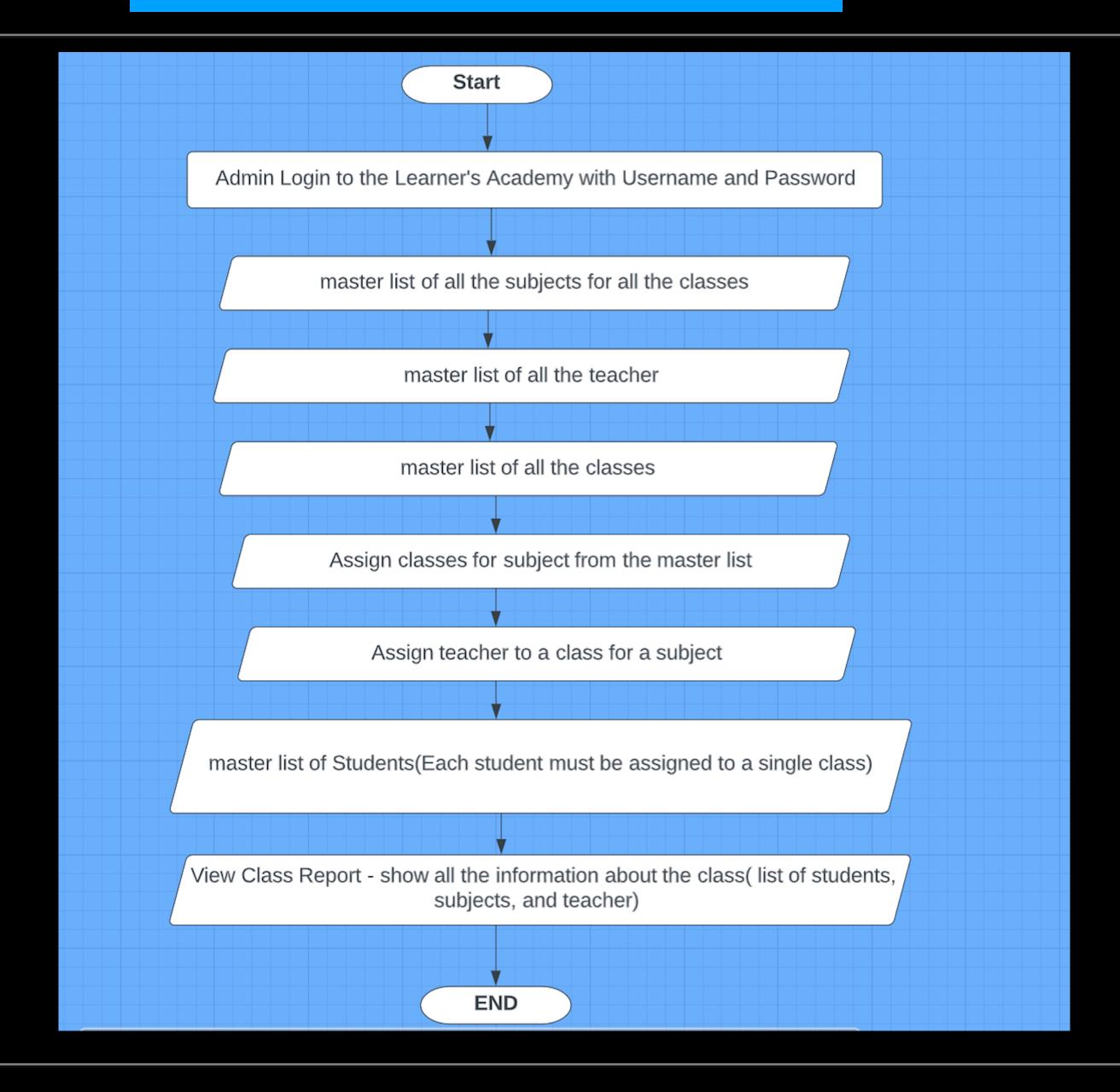
Learner's Academy is developed in Core Java, Servlet, JSP, Hibernate, MySql. Tools used in development: Eclipse, core java, Git, GitHub, Scrum etc.

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Class: MS FSD MAR 2022 Cohort 1

#### Flow-Chart



- Step 1 : Start
- Step 2: Display Administrator login details

  Display Project details and Developer details.
- Step 3: If login credentials are correct then login to home page. Otherwise stay on login page only.
- Step 4: Show master list of all the subjects for all the classes
- Step 5: Show master list of all the teachers
- Step 6: Show master list of all the classes
- Step 7: Assign classes for subjects from the master list
- Step 8: Assign teachers to a class for a subject (A teacher can be assigned to different classes for different subjects)
- Step 9: Get a master list of students (Each student must be assigned to a single class)
- Step 10: view a Class Report Show all the information about the class, such as the list of students, subjects, and teachers
- Step 11 : End

#### Scrum Workflow

**Product backlogs Sprint TO/Does Sprint Test/Review** Potential shippable product **Sprint planning and Backlogs** ☐ Generation of flow chart Login page working ☐ Generation of Algorithm ☐ Login page List of all Subjects working ☐ List of subjects for all ☐ Sprint planning **Sprint 0** classes Login page link List of Teachers working ☐ List of Teachers (Username and Password) ☐ Coding of given task ☐ List of Classes List of subjects for all ☐ Assign Class to Subject classes List of classes, assigning ☐ List of Teachers tasks working **List of Classes Assign Class to Subject** from **Masterlist Assign Teachers to Class** ☐ List of students and class ☐ Git and GitHub tasks **List of students** ☐ Assign Teachers to Class Report Working **Class Report** ☐ List of students Class Report ☐ Project Docs completed ☐ Coding of given task ☐ Git and GitHub Repository **Sprint 01** tasks link ☐ Project Documentation Git link generated

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### Scrum board\Sprint to do list

Sprint	To do	In progress	verify/Backlog	Done
Sprint 00  Login page List of subjects for all classes List of Teachers List of Classes Assign Class to Subject	<ul> <li>□ Generation of flow chart</li> <li>□ Generation of Algorithm</li> <li>□ Sprint Planning</li> <li>□ Writing code for sprint 0 tasks</li> </ul>	☐ Coding for List of teachers is in process	<ul> <li>□ Login page</li> <li>□ List of subjects for all classes</li> <li>□ List of Teachers</li> </ul>	□ Login page □ List of subjects for all classes □ List of Teachers
□ Assign Teachers to Class □ List of students □ Class Report □ Git and GitHub Repository tasks	<ul> <li>□ Writing code for sprint 1</li> <li>□ Git and GitHub</li> <li>Repository tasks</li> <li>□ Project Documentation</li> </ul>	<ul> <li>□ Coding for Sprint 1         tasks</li> <li>□ Project documentation</li> <li>□ Project push on GitHub</li> <li>Repository</li> </ul>	□ List of Classes □ Assign Class to Subject □ Assign Teachers to Class □ Git and GitHub settings □ No Backlog from sprint 0	☐ List of Classes ☐ Assign Class to Subject ☐ Assign Teachers to Class ☐ Git and GitHub settings ☐ Git and GitHub Repository tasks ☐ Project Documentation

Links to the GitHub repository to verify the project completion is: https://github.com/khushabupatil20/Learner-s\_Academy

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# Thank you