**Writeup for Administrative portal for learning Acadamy-portal**

Project Objective:

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

**Steps:**

● 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  
       
The goal of the company is to deliver a high-end quality product as early as possible.

Flowchart:



**Application:**

● Plan more than two sprints to complete the application  
● Document the flow of the application and prepare a flow chart   
● List the core concepts and algorithms being used to complete this application  
● Implement the appropriate concepts, such as exceptions, collections, and sorting techniques for source code optimization and increased performance.

 Eclipse/IntelliJ: An IDE to code for the application   
● Java: A programming language to develop the web pages, databases, and others  
● SQL: To create tables for admin, classes, students, and other specifics  
● Git: To connect and push files from the local system to GitHub   
● GitHub: To store the application code and track its versions   
● Scrum: An efficient agile framework to deliver the product incrementally   
● Search and Sort techniques: Data structures used for the project   
● Specification document: Any open-source document or Google Docs