**Dynamic Code Developers (DCD)**

**Team Members:**

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**Project Details**

**Name :** School Management System

**Patterns :** Adapter, Singleton, Façade, Factory Method and Prototype

**Data Structures :** Arrays, ArrayLists, Sets, Dictionaries, Queues or Stacks

**Purpose:**

This project is designed to construct a school management system which helps administrator to keep data in database and process the data.

**Development :**

This project is based on GUI application to insert data to Data Base and retrieve data. It will have various classes and interfaces. The class diagram is still under development.

**Functionality :**

The following functionality will be added to project

1. Able to register new student and retrieve a student’s information.
2. Able to record administration and teachers.
3. Able to hold information of courses for each semester and assign teacher and students to this course.
4. Able to add students’ mark and make proper calculations to get GPA at the end of the semester.
5. Able to generate reports information about all students/teachers, it will depend on parameters.
6. Able to remove the student, teacher, or course from the corresponding list.