Project: School Management System

CSE107 Section 2

**Group Members**

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**Project Description:**

This system will be able to record the activity and related information about the school.

Contains information about-

1. Teacher (individual personal information, salary, accommodations, course information, in charge of classes etc.)

2. Student (individual personal information, class, section, accommodations, prizes, activity related information, fees etc.)

3. Employee (individual information, salary, department of work etc.)

4. Class room information (unique room number, number of student can hold, facility related information)

Class Diagram

|  |
| --- |
| Basic\_info |
| * 1.Individual Personal   Information |
| * void get\_info(); |

|  |
| --- |
| Employee |
| * 1.Salary * 2.Accommodation * 3.Department of Work |
| * Void get\_info():public Basic\_info; * Void get\_info; |

|  |
| --- |
| Student |
| * 1.Class * 2.Accommodation * 3.Sections * 4.Prize Activity Related Information. * 5.Fees |
| * Void get\_info():public Basic\_info; * Void get\_info; |

|  |
| --- |
| Teacher |
| * 1.Salary * 2.Accommodation * 3.Course Information * 4.Incharge of Classes |
| * Void get\_info():public Basic\_info; * Void get\_info; |

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| --- |
| Classroom\_info |
| * 1.Unique Room Number * 2.Number of Student Can Hold * 3.Facility Realated Information |
| * Void get\_info(); |

Description of The Class Diagram

Here we are trying to create a program that can manage all the data of every person in a school. So at first we are going to create a Parent Class named Basic\_info which will have common attribute/datatype (Individual Personal Information) which we will use in every child class/derived class.

We will create two functions named void get\_info(); and void show\_info(); to get and show the data and we will use these functions in parent class so every child class can inherit them.

We will create several classes with their individual attributes/data types and they will be named as Student, Teacher, Employee and user admin will hold the right to change or update any data he sees fit.

There will be another class named Classroom\_info which will not inherit from any class we will be using. It will hold all the data about a class room and its facilities.