**CS 324 Advanced Programming in Java**

**Habib University**

**Project Synopsis Document**

**Presented By**

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**Title:**

School Management System

**Introduction:**

For this course, we will be going to develop a small-scoped school management system to manage all the details of the student body (Students, Teachers including their grade information and Principal details). The application will be only used by one user that will be admin only. Admin will have the access to the management application and its functionalities for example admin will manage all the things that are mentioned in the application features and functionalities section.

**Application Features & Functionalities:**

* **Login/Logout Page**
  + - Only Admin can login/ logout to the system
* **Dashboard Page**

The Page will be consisting different logos that will route to following module pages:

* + **Student Management Page**

Add/ delete/ edit or update

* Admin can add new student
* Admin can edit and update student records
* Admin can view student details
* Admin will be able to remove student records
* Admin can edit and update student’s grade information
* Listing of all students
  + **Teacher Management Page**

Add/ delete/ update teacher record

* Admin can add new teacher
* Admin can edit and update teacher records
* Admin can view teacher details
* Admin will be able to remove teacher records
* Admin can edit and update teacher’s grade information
* Listing of all teachers
  + **Principal Management Page**

Add/ delete/ update principal record

* Admin can add new principle
* Admin can edit and update principal records
* Admin can view principal details
* Admin will be able to remove principal records

**Tools:**

* Javafx (GUI)
* Java (Backend)
* MySQL (Database)
* IntelliJ (IDE)