

Project Proposal: Student Management System

Objective:

To develop a Student Management System using Java and an SQL database that streamlines the management of student data and simplifies administrative tasks.

Key Features:

1. **Student Information Management:**
 - Capture and store student names.
 - Assign unique admission numbers automatically.
2. **Course Details:**
 - Record courses each student is enrolled in.
3. **Student Status:**
 - Track academic and enrollment status.
4. **Fee Management:**
 - Monitor fee payment status for each student.
 - Calculate and display total costs per student.
5. **User Interface:**
 - Create a user-friendly Graphical User Interface (GUI) for data entry and system interaction.

System Architecture:

- **Backend:** SQL database to store and manage all data securely.
- **Frontend:** Java-based GUI for intuitive interaction with the system.
- **Integration:** Java application will be connected to the SQL database for seamless data handling.

System Goal:

The system aims to automate the assignment of admission numbers, track fee payments, and provide a comprehensive overview of each student's details, enhancing efficiency and accuracy.

System Cost and Duration

Cost – 35000 KES

Duration to complete – 3-5 weeks