

College Admission Management System

Introduction

The College Admission Management System aims to simplify and automate the entire college admission process. It assists administrators in managing student registrations, evaluating applications based on merit, and allocating courses efficiently. This system provides a centralized and transparent way to handle all admission-related procedures.

Abstract

This project automates the admission workflow, including registration, merit calculation, and course allocation. Developed using Java, JDBC, and MySQL, the system ensures accurate data management and smooth admission operations. It enables both students and administrators to interact through a simple console interface.

Tools Used

1. Java – Core programming language used for backend logic.
2. JDBC – For connecting Java with the MySQL database.
3. MySQL – Database used for storing students, courses, and application data.
4. Eclipse IDE – Development environment for building and testing the project.
5. CSV/PDF – Used for exporting admission reports and merit lists.

Steps Involved in Building the Project

1. Designed database tables: Students, Courses, and Applications.
2. Created student registration and application modules.
3. Implemented merit calculation based on marks.
4. Built admin panel for approving or rejecting applications.
5. Generated admission lists in CSV and PDF formats.
6. Tested and validated the complete workflow.

Conclusion

The College Admission Management System successfully automates the complex process of admissions. It reduces manual work, improves accuracy, and provides a transparent admission experience. This project demonstrates the integration of Java, JDBC, and MySQL to solve a real-world problem effectively.