Admin Login

Username:

Password:

LOGIN

Student Management System: A Java Swing Project

This project is a Java-based for managing student data efficiently.

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Overview

Java Desktop App

Built using the Swing GUI toolkit for rich user interaction.

User Roles

Supports two roles: Student and Admin with specific permissions.

Data Management

Stores student details, marks, attendance, and more in flat files.

Efficiency

Improves organization in educational institutions.

My Profile My Courses Grades Schedule

Class Schedule

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-10:00	CS101 Room 101		CS101 Room 101		CS101 Room 101
10:00-11:00					
11:00-12:00		CS101 Room 101		CS101 Room 101	
2:00-3:00					
3:00-4:00					

System Architecture

Model

Stores student details and academic data.

View

GUI built with Swing for user interaction.

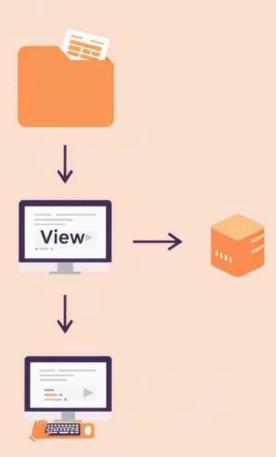
Controller

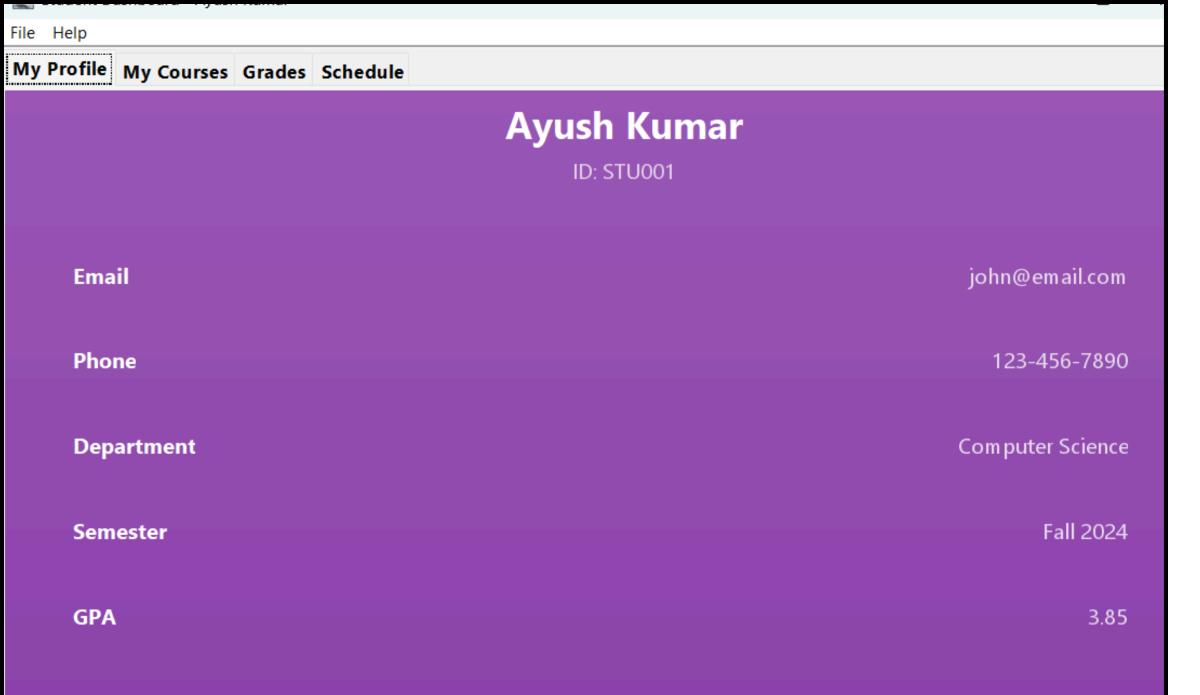
Processes user input and updates model and view.

Database

Uses flat files like CSV or text for data persistence.

MVC





cademic Performance					
101	А	3	12.0		
102	A-	4	14.8		
G201	B+	3	9.9		

Student Dashboard - Ayush Kumai

Student Features

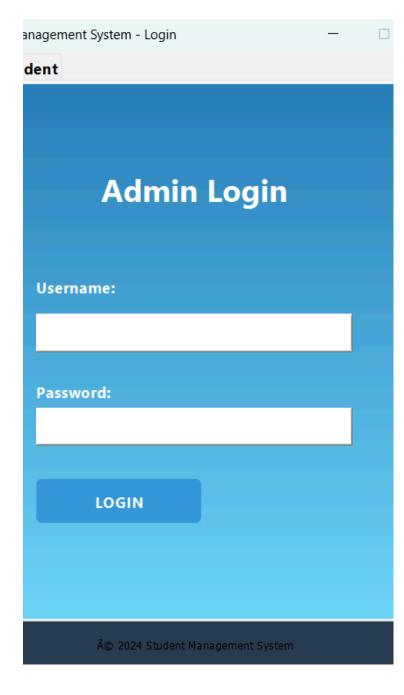
View personal info: name, ID, contact

Check attendance records easily

Access course marks and grades

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- Optionally access course materials
- Simple and user-friendly navigation



Admin Features

- Manage Records
 Add, update, delete student details.
- Course Management
 Handle course names, codes, and credits.
- Attendance Tracking
 Record and monitor student attendance.
- Reporting

 Generate reports on student performance.

Technology Stack

Java SE JDK

Core development platform for cross-platform support.

Swing GUI

Rich desktop UI components for interaction.

IDEs

IntelliJ IDEA or Eclipse for efficient coding.

Data Storage

Flat files like CSV or embedded databases for persistence.



Benefits

Centralized Storage





Accurate Data

Reporting



Efficiency

Better communication and streamlined processes boost productivity.

Real-World Uses

School Administration

Manages student records and attendance efficiently.

Teachers

Track student marks and performance trends.

Students

Access personalized academic information easily.

Institutions

Improve transparency and data accuracy.



Conclusion

- User-friendly for both students and administrators.
- Scalable Java project with future integration potential.
- Supports maintaining organized academic records.

Thank You

We appreciate your attention and interest in this project.

