University Teacher Information System

Java & MySQL Based Project
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Project Purpose

- - To provide university teachers with easy access to students' academic data.

- - Simplify student selection, grade viewing, and average calculation.

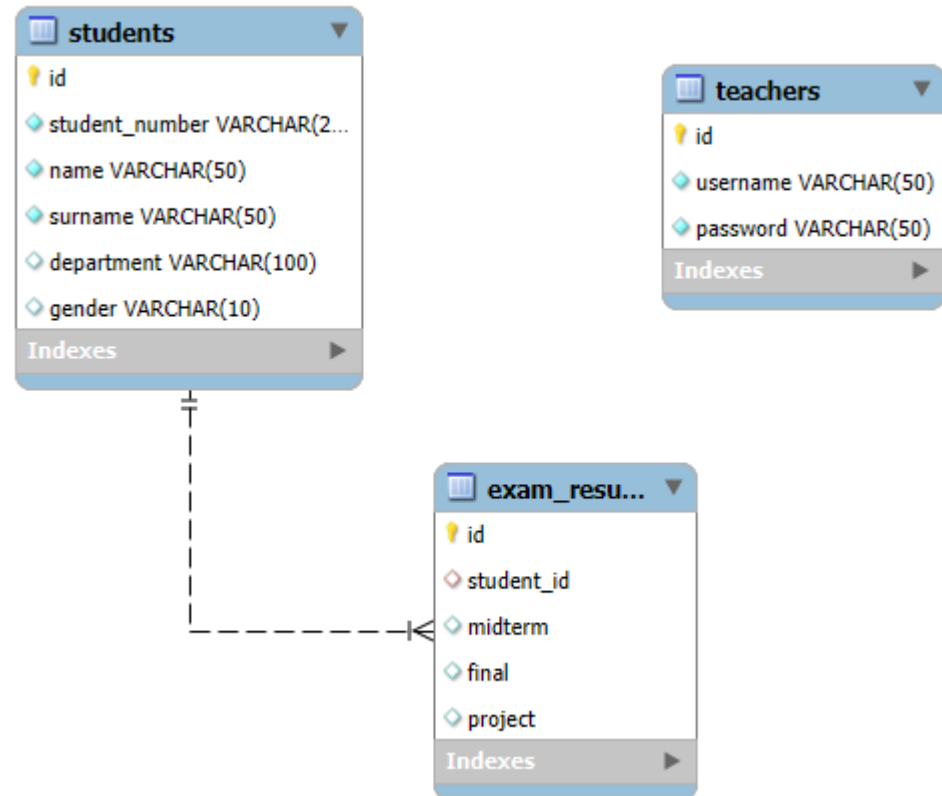- - Support academic follow-up through an intuitive interface.

Technologies Used

- - Programming Language: Java (NetBeans IDE)
- - Database: MySQL
- - Database Connectivity: JDBC
- - GUI Library: Java Swing
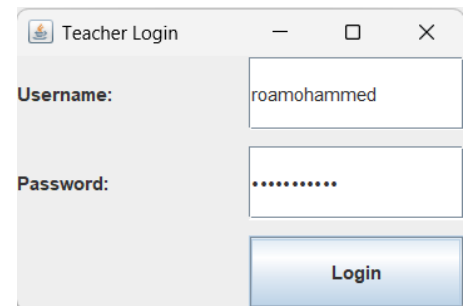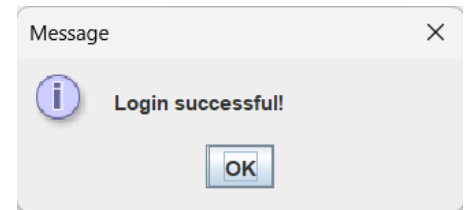
Database Design

Tables:

- - students (id, name, number, department, gender)
- - exam_results (id, student_id, midterm, final, project)
- Note: The student_id in the exam_results table will be taken as a reference from the id in the "students" table.
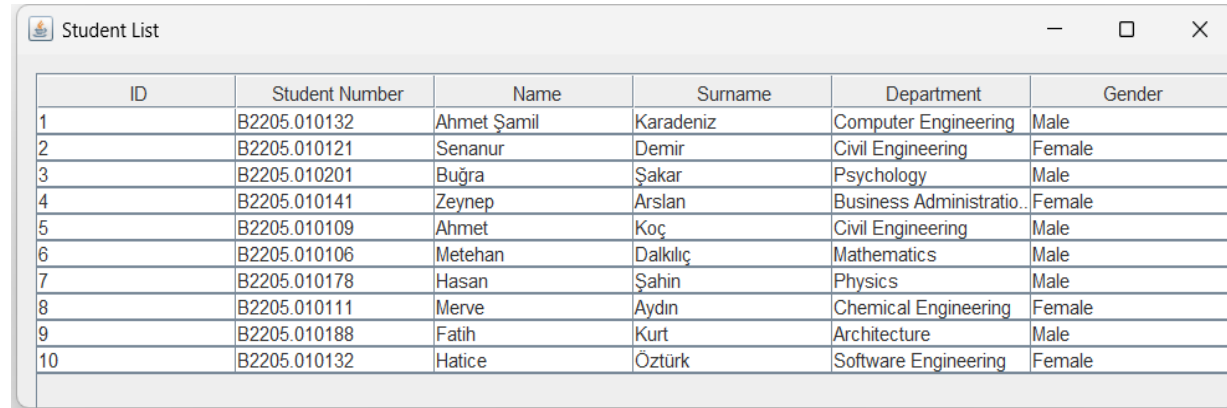
Erd Database

Login Screen

- - User authentication via username and password.
- - Restricted access for authorized teachers only.
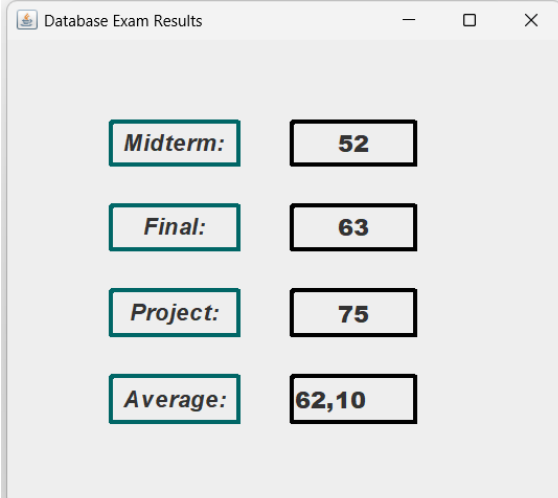- - Simple and user-friendly interface.

Main Interface & Student Information

- - Students displayed in a JTable component.
- - Selection of a student displays detailed info.
- - Allows efficient data browsing.

Exam Results and Average Calculation

- - Midterm, Final, and Project scores are shown.

- - Average = (Midterm * 0.3) + (Final * 0.5) + (Project * 0.2)

- - Calculated and displayed automatically.

Conclusion & Contributions

- - A foundational version of a real university teacher system.
- - Facilitates student tracking and grading processes.
- - Offers practical application of Java and SQL skills.

THANK YOU FOR LISTENING...