



PROJECT PROPOSAL

HEALTH-E

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Introduction:

Overview:

Health-E is a health-focused application designed to provide users with a platform for easy registration, login, profile management, and health data tracking.

Objective:

To create a user-friendly system with multiple dashboards ensuring efficient user management and interaction.

Purpose:

Promote personal health monitoring through a secure and accessible digital platform.





Technology Stack:

Frontend: JavaFX (FXML with SceneBuilder)

Backend: Java

Database: MySQL

Styling: CSS (for enhanced UI)

Version Control: GitHub (Regular commits and updates)



Database Implementations:

Database System: MySQL

Tables:

Users (id, username, email, password, age, gender, etc.)

HealthRecords (record_id, user_id, height, weight, BMI, date)

Operations:

DDL: Creating and modifying tables

DML: Insert, Update, Delete, Select

Relationships:

One-to-Many (One user can have multiple health records)



User Interface & Functionalities:

Dashboards:

Signup Page: New user registration

Login Page: User authentication

Profile Dashboard: View and update user information

Functionalities:

CRUD operations on user profiles and health data

Secure authentication & authorization.

Responsive UI with optional CSS styling



Presentation & Demo:



01 Progress Tracking:

- Weekly updates on project status
- GitHub commits to track development

02 Final Demo:

- Explanation of code structure and database interaction
- Live walkthrough showcasing all features

03 Tools Used:

- NetBeans
- SceneBuilder
- MySQL
- GitHub



Conclusion:

Health-E will serve as a robust health management application. It will ensure a professional experience in using JavaFX, MySQL, and version control. Regular updates and committed teamwork will ensure project success. It will be a complete system combining good UI, strong backend, and real-world functionality.



Thank
You