



Project Proposal : Random Fun Fact Adding System

Course: CSE 3170 (Winter 2025)

Project Title: Random Fun Fact Adding System

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Submitting to:

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Problem Statement:

There are times when people want to quickly learn something new or interesting. However, finding fun facts manually takes time. A Random Fun Fact Adding System solves this by allowing users to store their own fun facts instantly.

Methodology (Step-by-Step Plan):

Week 1: Project Planning & Setup

Decide the basic features:

Signup, Login, Profile dashboard.

Add, Edit, Delete fun facts.

View random fun fact.

Create a GitHub repository and push the first README file.

Install and setup MySQL database and SceneBuilder.

Design rough layout of the dashboards (on paper).

Week 2: Database Design and Backend Start

Create a MySQL database with user table and fact table.

Connect JavaFX app to the MySQL database.

Start coding signup and login system (backend part).

Test database connection.

Week 3: Signup/Login/Profile Dashboard (FXML Design) Design signup, login, and profile dashboards using SceneBuilder (FXML). Apply simple validation (empty fields, incorrect password, etc.). Link FXML files with Java code.

Week 4: Fun Fact Management (CRUD Operations)

- Implement:
- Add Fun Fact
- Edit Fun Fact
- Delete Fun Fact

Week 5: Random Fun Fact Display Feature

- Add a button "Show Random Fact".
 - Fetch a random fact from the database when clicked. -
- Display the facts nicely on the profile dashboard.

Week 6: Final Touches (UI + CSS Optional)

- Improve UI if needed.
- (Optional) Add simple CSS for better looks.
- Fix bugs, clean up the project structure.
- Push all final changes to GitHub.

Week 7: Report Writing and Presentation Preparation -

Prepare project report (PDF) with:

- Cover page
- Abstract
- Problem Statement

- Methodology
- Results (with screenshots of the app)
- Conclusion
- Reference
- Source Code
- Create a ZIP/RAR file of project + PDF file as per the given format.