StarVault's Roadmap

Project Idea:

StarVault is a console application developed to enable users to manage their bank accounts. Users can manage their money, request withdrawals, send money, and more. The primary goal is to develop a project that encompasses all the main features with clean, maintainable code.

Target Audience:

This project targets a diverse audience, particularly younger individuals and professionals whose work relies on digital finance.

Unique Features:

Besides covering all the main features, StarVault will include unique functionalities such as requesting money from others. The project will be built using design patterns to ensure clean and maintainable code.

Problem Statement:

Main Problem:

Banking exists to provide people a secure place to store and manage their money. StarVault aims to facilitate this by enabling users to add and withdraw money from their accounts, and to perform various financial transactions.

Identified Problems:

- Limited money-sharing capabilities between people can restrict transactions.
- Lack of accessible banking services can hinder economic activities.

Problem Impact:

Limited banking access can reduce the circulation of money between individuals and organizations, negatively impacting the economy. Therefore, banking services

are crucial for economic growth and development.

Root Causes:

- Geographical distances limit financial transactions between individuals.

- Lack of accessible banking infrastructure.

Solution:

Proposed Solutions:

The solution is to create a digital platform (StarVault) that serves as a banking link between people, overcoming geographical barriers.

Features and Benefits:

- Withdraw money

- Store money

- Send money

- Receive money

- Make online transactions

- Create an account

- Login to a personal account

- Change personal information

Implementation Plan:

1. **Planning**: Use Jira to plan tasks and track progress.

2. **Conception**: Develop class diagrams and use cases.

3. **Coding**:

   - Start with the user database using the Singleton pattern.

   - Implement authentication.

   - Develop CRUD operations for user accounts.

- Implement transaction operations (withdraw, store money).

- Add side features (requesting money).

Requirements:

- IDE (IntelliJ IDEA)

- JDK

- Developer(s)

Planning and Timeline:

Plan:

1. **Planning**: Set up Jira for task management.

2. **Conception**: Design class diagrams and use cases.

3. **Development**:

   - User database and authentication.

   - CRUD operations for user accounts.

   - Transaction operations.

   - Additional features.

Timeline:

The project is planned to be completed in 2 to 4 days, depending on the complexity and the quality of the code.

GitHub Repository: <u>StarVault</u>