User Story

Epic: Time Management App

As a user named Jack, I want to efficiently manage my time by recording and tracking my activities using a mobile application that supports both iPhone and Android platforms. The app should provide a user-friendly graphical interface for seamless interaction.

User Stories:

Record Time Entry:

As a user, I want to record my activities by entering the date, start time (FROM), end time (TO), task description, and associated tags (TAG) on a GUI screen.

Flexible Time Entry Format:

As a user, I want the flexibility to enter dates in different formats (e.g., YYYY/MM/DD) and specify AM or PM for the start and end times.

Query Time Usage:

As a user, I want to query my time usage from the database by specifying parameters such as date, task, and tag. This includes opening a query screen to filter activities based on input.

Date-Based Query:

As a user, I want to retrieve all activities for a specific date by entering that date in the query screen.

Task-Based Query:

As a user, I want to retrieve all activities related to a specific task by entering the task name in the query screen.

Tag-Based Query:

As a user, I want to retrieve all activities with a specific tag by entering the tag name in the query screen.

Implement Flutter Framework:

As a software engineer, I need to develop the application using the Flutter framework to ensure compatibility with both iPhone and Android platforms.

Integrate Firebase for Database:

As a software engineer, I need to integrate Firebase as the backend database for storing and retrieving user time entries.

Secure User Data:

As a software engineer, I need to implement security measures to ensure the confidentiality and integrity of user data stored on Firebase.

Optimize User Interface:

As a software engineer, I need to design an intuitive and user-friendly GUI for the time management app, considering the input requirements for recording and querying time entries.

Testing and Quality Assurance:

As a software engineer, I need to conduct thorough testing to ensure the app functions correctly, meets user requirements, and adheres to quality standards.