Project Brief

# Overview

The mood tracker app is a Java-based application designed to help users track their daily moods and gain insights into their emotional well-being over time. The app provides users with a simple and intuitive interface to record their moods, view historical data, and analyse trends.

## **Key Features:**

## **User Authentication:**

* Users should be able to create an account or log in securely to access the app's features.

## **Mood Logging:**

* Users can log their mood for each day using predefined mood categories.
* Users can add notes or tags to provide context for their mood entries.

## **Calendar View:**

## A calendar view displays mood entries for each day, allowing users to quickly navigate to specific dates.

## **Data Visualization:**

## The app should provide visualizations such as graphs or charts to display mood trends over time.

## **Insights and Analysis:**

## Provide insights or analysis based on the user's mood data, such as identifying patterns or correlations with external factors.

## Suggestions for improving mood based on historical data or user input.

## **Reminders:**

## Users can set reminders to log their mood at specific times during the day.

## **Customization:**

## Allow users to customize the app's appearance, including themes and color schemes.

## **Data Backup and Synchronization:**

## Implement a mechanism for securely backing up user data and synchronizing it across multiple devices if applicable.

## **Additional Considerations:**

## **Privacy and Security:** Implement robust security measures to protect user data, including encryption for sensitive information and adherence to privacy regulations.

## **Accessibility:** Design the app with accessibility features in mind to accommodate users with different needs, such as text-to-speech support and high contrast modes.

## **Technology Stack:**

## **Programming Language:** Java

## **Database:** SQLite or MySQL for local storage

## **Frameworks/Libraries:** JavaFX for the user interface

## **Development Environment:** IntelliJ IDEA

## **Target Platforms:**

## Desktop: Windows, macOS, Linux

## **Project Deliverables:**

## Fully functional app source code.

## User documentation including installation instructions and user guide.

## Test cases and documentation for quality assurance.

## **Project Timeline:**

## Planning and Requirements Gathering: \_ week

## UI Design and Prototyping: \_ weeks

## Development and Testing: \_ weeks

## Documentation and Finalization: \_ week