

## Mindful Journal - Milestone 1 Report

### Objective:

Define the project scope, identify key features, and gather all necessary requirements for the app.

### What is Done

#### 1. Project Scope Defined:

- The purpose of the app, which is to help users engage in daily journaling and track their moods, has been clarified.
- The project objectives have been identified:
  - Provide users with a platform for daily journaling and mood tracking.
  - Enable users to save and review their journal entries and emotional states over time.
  - Create an intuitive user interface that is easy to navigate and visually appealing.

#### 2. Key Features Identified:

- Daily Journal Entries: Users can write and save daily journal entries.
- Mood Tracking: Users can select and track their mood for each journal entry.
- Prompt System: The app will offer personalized journaling prompts to guide users.
- Data Storage: Journal entries and mood data will be stored locally, ensuring easy access to past entries.
- Customization: Users will be able to personalize their journaling experience by adjusting settings like mood tracking preferences and journaling reminders.

#### 3. User Flows Defined:

- The basic user flow has been mapped out for the following screens:
  - Home Screen: Overview of journal entries and mood tracker.
  - Journal Screen: Interface for writing a journal entry and selecting the mood.
  - Fitness Tracker screen: This is to track users fitness.

#### 4. Technical Requirements Identified:

- The app will be developed for Android using **Jetpack Compose** for UI design.
- Room Database will be used for local storage of journal entries and mood tracking data.
- SharedPreferences will be used for user settings and preferences (e.g., notification preferences, personalized prompts).
- NavController will be used to manage screen navigation.

#### What is Left:

##### 1. Finalization of Design Mockups:

- Although the key features and user flows are defined, the final designs for the screens (wireframes and UI mockups) still need to be completed. This includes visual elements like color schemes, typography, and icons.

##### 2. Detailed User Preferences:

- Further exploration is required to finalize the full list of user preferences/settings (e.g., how mood tracking will work, the frequency of journal prompts, etc.).

##### 3. Selection of Weather API or External Integration (Optional):

- If integrating a weather API for mood-based suggestions or location-based prompts is required, this will need to be researched and planned.

##### 4. Technical Set Up:

- Set up the Android project structure, including integrating necessary libraries (Jetpack Compose, Room Database, etc.).
- Set up the navigation system using NavController for seamless transitions between screens.

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#### Conclusion:

Milestone 1 is mostly complete, with a clear scope, objectives, features, and user flows defined. The next steps will focus on refining the UI design, setting up the technical infrastructure, and proceeding with the implementation of core features in Milestone 2.

Git repo : <https://github.com/bistrobk/MindfulJournal>