Android App Project Outline

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Mobile Application Development COM-437-OL01

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**I. Project Description**

* Title: **MyWellness Tracker**
* Description: A mobile application that allows users to track mental wellness, daily mood, habits, and journaling entries. The app aims to encourage emotional self-awareness and provide insights through visualization and reminders.

**II. Problem Addressed**

* Many individuals struggle to maintain emotional and mental health due to a lack of consistent self-reflection or tools for tracking mood and wellness.
* There is no single, lightweight app that combines daily journaling, mood tracking, and habit logging tailored to user well-being.

**III. Platform**

* **Mobile Operating System:** Android (using Android Studio)
* **Target Devices:** Smartphones (Android 10 and above)

**IV. Front-End / Back-End Support**

* **Front-End:**
  + Kotlin / Java with Material UI Components
  + XML layouts for views
* **Back-End:**
  + Firebase for cloud-based authentication, real-time database, and storage
  + Optional SQLite for offline journaling and coaching

**V. Functionality**

* User registration/login using Firebase Authentication
* Mood tracking with emojis/colors
* Daily journaling with save/edit/delete functionality
* Habit tracker with notifications/reminders
* Progress visualization via graphs and charts
* Cloud sync to ensure data persistence
* Settings to customize app experience

**VI. Design (Wireframes)**

* Home Screen: Overview of today's mood, habits, and journal status
* Mood Tracker: Scrollable emoji/mood selection with save button
* Journal Screen: Text editor with time/date stamp
* Habit Tracker: Checklist of custom user habits with daily toggles
* Insights Page: Pie chart and line graph of mood/habits over time
* Login/Signup Screen  
  *(Attach hand-drawn or Figma wireframes as images if available)*

**VII. GitHub Links**

* **GitHub Repository:** https://github.com/eleiny8/MyWellness-Tracker
* **GitHub Wiki Outline:** https://github.com/eleiny8/MyWellness-Tracker.wiki.git
* **README Outline:** Uploaded in the main repo's README.md file