

Mobile App Developer

Project 1: Developing a Fitness Tracker App

- **Objective:** Build a mobile application to track fitness activities.
- **Description:** Develop a cross-platform mobile app that allows users to log their daily fitness activities, set goals, and track their progress. Implement features such as push notifications and integration with health APIs.
- **Technologies to use:** Flutter, Kotlin, Mobile Development, Cross-Platform Frameworks, API Integration, and Push Notifications.

Week 1: Setup and Basic Layout

- **Set up development environment:** Install Flutter and configure it for cross-platform development.
- **Create wireframes:** Design wireframes for the fitness logging screens, goals, and progress tracking UI.
- **Develop basic layout:** Implement the basic layout for the activity logging screen using Flutter and ensure the UI is responsive.

Deliverables:

- Development environment configured.
- Basic app layout with logging functionality.
- Wireframes for the app's main screens.

Week 2: API Integration and Activity Logging

- **Integrate health API:** Connect with Google Fit/Apple Health APIs to pull fitness data.
- **Activity Logging:** Implement the functionality for users to log fitness activities manually or automatically via API integration.
- **Design progress tracking:** Create charts or graphs to visualize the user's fitness progress.

Deliverables:

- Health API integrated and tested.
- Functional activity logging (manual and automatic).
- Progress tracking features implemented.

Week 3: Push Notifications and Goal Tracking

- **Push notifications:** Set up push notifications to remind users about their goals or incomplete tasks.
- **Goal setting:** Develop a feature to allow users to set and update fitness goals (e.g., daily steps, workout duration).
- **Testing:** Test all features to ensure they are functional and responsive across different devices.

Deliverables:

- Functional push notifications for user reminders.
- Working goal setting and tracking functionality.
- Testing and bug fixing for core functionalities.

Week 4: Final Testing and Deployment

- **Final testing:** Conduct full app testing, including user interaction and responsiveness across various devices.
- **Optimization:** Optimize the app for performance and smooth transitions.
- **Deploy the app:** Publish the app to Google Play and the Apple App Store.
- **Documentation:** Complete project documentation including setup, API integration details, and user instructions.

Deliverables:

- Fully tested and optimized fitness tracker app.
- App deployed to Google Play and Apple App Store.
- Completed project documentation.