Habit Tracker App Development Plan

1. Project Introduction

The Habit Tracker app aims to help users build and track healthy habits regularly, enabling them to achieve their personal goals in an organized and user-friendly way.

2. Concept and Key Features

Concept
- Allows users to easily add new habits and track their daily or weekly progress.

Key Features
- Create and customize habits.
- Log habit progress.
- Send reminder notifications to users.
- Display statistics and charts on user progress.
- Support login via email or Google.
- Simple and easy-to-use interface.

3. Application Requirements

Core Requirements:
- UI/UX design.
- User authentication system (sign-up + login + password reset).
- Habit creation and management.
- Notification system.
- Data tracking and analysis.
- User settings and customization.

4. Technologies Used

- Programming Language: Kotlin with Jetpack Compose.
- Database: Firebase (Firestore + Authentication).
- UI Design: Figma.
- Project Management: GitHub.

5. Project Phases

Phase 1 (10 MARS)
- Idea analysis and planning.
- Create wireframes and design the app interface.
- Set up the development environment.

Phase 2 (15-31 MARS)
- Develop core app features.
- Implement user authentication.

- Build habit tracking features.
- Test the app and optimize performance.

Phase 3 (1-15 APRIL)
- Develop the notification system.
- Improve user experience.
- Integrate Firebase with the app.

Phase 4 (15-30 APRIL)
- Conduct comprehensive testing.
- Optimize performance.
- Publish the app on Google Play.
- Gather feedback and make final improvements.

6. Potential Challenges

- Enhancing user experience and interface design.
- Developing effective and responsive notifications.
- Handling data securely and efficiently.

7. Gantt chart

Task	Start Date	End Date
Project Pro	2025-03-0	2025-03-0
Project Pla	2025-03-0	2025-03-0
Task Assigr	2025-03-0	2025-03-0
Risk Assess	2025-03-0	2025-03-0
Competito	2025-03-1	2025-03-1
Technolog	2025-03-1	2025-03-1
Stakeholde	2025-03-1	2025-03-1
User Storie	2025-03-1	2025-03-2
Functional	2025-03-2	2025-03-2
Use Case D	2025-03-2	2025-03-2
ERD & Dat	2025-03-2	2025-03-3
Data Flow	2025-03-3	2025-04-0
UI/UX Wir	2025-04-0	2025-04-0
Backend D	2025-04-0	2025-04-0
Frontend D	2025-04-0	2025-04-1
Database I	2025-04-1	2025-04-1
Testing & D	2025-04-1	2025-04-1
User Testir	2025-04-1	2025-04-2
Bug Fixes &	2025-04-2	2025-04-2
Final Repo	2025-04-2	2025-04-2
Project Sub	2025-04-2	2025-04-2