


GO Buddy – Project Development Draft

App Name:





GO Buddy

 **Tagline:** *Your AI-powered project partner to manage, motivate, and move forward.*

App Concept:



GO Buddy is a smart productivity & project management app that helps users organize tasks, track goals, get AI-powered suggestions, and stay motivated with achievements & real-time support — all developed **by you, without using AI-generated code.**

Core Features Overview:




- ◆ Project Creation & Tracking
 - ◆ Smart Task Management (CRUD + Priority + Sorting)
 - ◆ Daily To-Do List Generation
 - ◆ Reminder & Notification System
 - ◆  AI Chat Assistant (General + Project-aware mode)
 - ◆  Progress Tracking with Visual Feedback
 - ◆  Motivational Achievements & Streaks
 - ◆  App Settings (Theme, Profile)
-

Screens Overview:





1 Splash Screen

-  App logo
-  Loading animation





2 Authentication

-  Login (Email/Password via Appwrite)
-  Signup
-  Forgot Password





3 Dashboard

-  Today's focus tasks
-  Project summary + progress bar
-  + “Add Task” / “Add Project”
-  Motivational quote or achievement popup






4 Project List

-  All projects
-  Status + deadline
-  Tap for task board
-  Create / Edit / Delete




5 Task Board (Kanban View)

-  Columns: To Do | Doing | Done | Stuck
-  Drag & Drop support
-  Long-press to edit/delete
-  Add task inline or via FAB




6 Task Details

-  Title, description
-  Deadline,  Priority
-  Subtasks (optional)
-  Blocked status




7 Reminder Settings

-  Set notification time
-  Repeat: daily / weekly
-  Enable/disable push alerts




8 Achievements / Streaks

-  Earned badges
-  Current streak
-  Productivity milestones

9 Settings





-  Dark/Light mode
-  Profile info
-  Logout

10 AI Chatbot

-  Context-aware assistant
-  Detects active project automatically
-  Quick prompts: "Break task", "Plan my day", "Suggest steps"

Tech Stack

Frontend

-  Language: Kotlin
-  UI: Jetpack Compose + Material 3
-  Architecture: MVVM + Clean Architecture
-  State Management: ViewModel + StateFlow

- 📦 Local Storage: Room / DataStore
- 📱 Notifications: Firebase Cloud Messaging

🔧 Backend

- 🧩 Platform: Appwrite (Pro Plan)
- 🔒 Auth: Email & Password
- 📁 Database: Appwrite Collections
- ↻ Realtime Updates: Task/project sync
- ⚙ Appwrite Functions:

- `generateToDoFromTitle()`
 - `summarizeDailyProgress()`
 - `detectInactivity()`
 - 🌐 AI Integration: Call OpenRouter/HuggingFace from Appwrite function
-

📁 Appwrite Database Schema

👤 Users

- `userId`
- `name`
- `email`
- `theme`
- `streakCount`
- `lastActive`

📁 Projects

- `projectId`
- `userId`
- `title`
- `description`
- `startDate, endDate`

- `status` (Ongoing / Done)

✓ Tasks

- `taskId`
- `projectId`
- `title, description`
- `dueDate, priority`
- `status`: To Do / Doing / Done / Stuck
- `isBlocked, createdAt`

🏆 Achievements

- `achievementId`
- `userId`
- `message`
- `timestamp`

🕒 Reminders

- `reminderId`
- `taskId`
- `reminderTime`
- `repeat` (daily / weekly / once)

💬 Chats

- `chatId`
- `userId`
- `projectId` (optional)
- `message`

- `sentByUser` (true/false)
 - `timestamp`
-



Development Roadmap

✓ Phase 1: Setup

- 🔧 Appwrite backend setup
- 📁 Create DB schema + auth
- 📦 Init Kotlin project + Jetpack Compose UI base

✓ Phase 2: Core Features

- 🔑 Login/Signup
- 📁 Project CRUD
- 📁 Task CRUD
- 🧩 Dashboard + summary

✓ Phase 3: Task Board + Reminders

- 🔪 Kanban UI with drag & drop
- 🔔 Notifications setup
- 🕒 Reminder config screen

✓ Phase 4: AI Layer

- 🤖 Build Chat UI
- 🔌 Connect Appwrite function to external AI
- 💬 Make it project-aware

✓ Phase 5: Motivation + Progress

- 📊 Progress tracking (percent + visual)
- 🔥 Streak system
- 🏆 Unlockable achievements

✓ Phase 6: Polish & Launch

- 🌓 Theme toggle
- 🎬 Smooth animations
- 🐛 Bug testing + UX fixes
- 🚀 App ready for release