

### 1 Approach

- **Offline-first & privacy-focused:** All data (tasks, timers, rewards, settings) stored locally on device. No backend or login required.
- **Minimal AI usage:** On-demand button trigger only. Features:
  - Break large tasks into smaller steps
  - Estimate time per step
  - Generate daily schedule ("Plan My Day")
- **Hybrid logic system:**
  - Offline: tasks, timers, rewards, energy tags, reminders
  - AI: planning/breakdown features only
- **Cost-efficient:** AI results cached locally to reduce repeated API calls
- **Simple & accessible UI:** Black & white, large buttons & text, minimal clutter, calm & predictable layout, accessibility-first
- **BLoC state management:**
  - Predictable, maintainable state
  - Clear separation of UI & business logic
  - Easy offline + AI integration handling

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### 2 Technology Stack

Layer	Technology / Tool
Frontend	Flutter (Android only)
State Management	BLoC (flutter_bloc)
Local Storage	Hive / Isar (tasks, timers, rewards, AI cache)
Settings / Preferences	SharedPreferences

Layer	Technology / Tool
AI Integration	OpenAI API (on-demand)
Monetization	Google Play Billing (£2/month unlock)
UI	Flutter widgets, black & white, large text/buttons, no animations
Version Control	Git / GitHub
Testing	Flutter unit & integration tests (offline + AI scenarios)

### 3 Timeline & Milestones (3 Weeks)

Week	Tasks / Milestone
<b>Week 1</b>	- Wireframe review & app architecture setup - BLoC setup for tasks, timers, planner view - Offline DB & caching structure - Core offline features (tasks CRUD, timers, planner view, rewards, energy tags)
<b>Week 2</b>	- AI integration: OpenAI API, task breakdown, "Plan My Day" - Local caching for AI results - Rewards & energy tag logic implementation - Basic UI polish
<b>Week 3</b>	- Subscription & monetization (£2/month unlock) - UI final polish: black & white, large buttons/text, minimal clutter - Testing offline + AI, bug fixes, performance optimization

#### Deliverables after 3 weeks:

- Fully functional offline-first Android app
- On-demand AI planning feature working
- Free + subscription logic implemented
- Clean, accessible, minimal UI

### 4 Cost

#### Proposed Budget: \$700 USD

#### Includes:

- MVP with offline-first core features
- AI integration + caching
- Subscription logic
- UI polish & accessibility
- BLoC state management for predictable app flow
- Testing offline + AI

## 5 Summary

This plan provides an **efficient, privacy-focused, offline-first Android app** with **on-demand AI planning**, built using **BLoC for maintainable state**, delivered in **3 weeks** for **\$700 USD**.