# ****MindWell Development Plan****

## ****1. App Flow and User Scenario Design****

### ****a. Main User Scenarios****

| **Priority** | **Task Description** |
| --- | --- |
| High | **Chatbot–Therapist Integration:** Define the logic connecting chatbot responses with therapist recommendations. |
| High | **Therapist Display Interface:** Determine what content is shown on the therapist profile or showcase page. |
| High | **Conversation History Management:** Design how past sessions, chat summaries, and psychological state analyses are displayed and managed. |

### ****b. Chat Experience Optimization****

| **Priority** | **Task Description** |
| --- | --- |
| Medium / Long-term | **Chat Scene Design:** 1. Template-based Q&A for common mental health topics. 2. Model response quality evaluation. |
| Medium | **Model Memory:** Implement keyword-based filtering for selective conversation storage and summary generation. |

## ****2. Cost Estimate****

### ****Infrastructure (Approx. USD 162/month)****

| **Item** | **Cost** |
| --- | --- |
| Compute Resources | $100/month |
| Database & Cache | $60/month |
| Domain (.com) | $13/year and up |

### ****Model Usage****

| **Stage** | **Input** | **Output** | **Unit** |
| --- | --- | --- | --- |
| Testing Phase | $0.5 | $1.5 | per 1M tokens |
| Production Phase | $3 | $15 | per 1M tokens |
| **Estimated input-output ratio:** 1:2 |  |  |  |

### ****AI Coding Tools****

* Claude Code Mirror: ¥162/month

## ****3. Development Timeline (Rankang)****

| **Week** | **Milestone** | **Details** |
| --- | --- | --- |
| Weeks 1–4 | **Core Scene Development** | - Model Integration - Account Management (SMS login, Google/third-party login) - Therapist Data Management - Frontend prototype for early testing |
| Weeks 5–7 | **iOS Development & App Store Release** |  |
| Weeks 8–12 | **Model Refinement** | - Add RAG filtering and query context - Implement model memory system |

## ****4. Development Log****

### ****Business Logic & Backend****

#### ****Account Management****

* Username/password login ✅ (deprecated before launch)
* SMS login (planned)
* Third-party account integration (Google, etc.)
* Token renewal ✅

#### ****Chat System****

* Persistent conversation storage
  + Real-time chat logging ⌛️
  + Daily chat snapshot storage ⌛️
* Summary generation
  + Daily summaries
  + Weekly summaries

#### ****Model Integration****

* Static model response ✅ (deprecated before launch)
* Debug-stage raw model integration (tentatively AWS Bedrock)
* Intelligent agent integration

#### ****Therapist Data****

* list/get API ✅
* Script for scraping therapist data and injecting into database
* Internationalization (i18n) of therapist information

#### ****AWS Integration****

* RDS
* EC2 instances

## ****5. Intelligent Agent Functionality****

### ****Core Modules****

* **Daily Conversation Summary**
  + Title
  + Overview
  + “Spotlight”: one-line highlight or distilled insight
* **Weekly Summary**
  + Generate cumulative summaries
* **Full Conversation History**
  + Create global prompt context
  + Extract recurring discussion topics

### ****Therapist Recommendation****

* Context injection and prompt standardization
* Prompt evaluation
* Text vectorization and semantic retrieval

## ****6. Mobile Application****

### ****Login & Authentication****

* Account-based login ✅ (deprecated later)
* SMS login
* Third-party account integration
* Token renewal

### ****Chat Functionality****

* Streamed response integration ✅
* **Input Methods:**
  + Text input
  + Voice input via local system model (iOS ✅ / Android pending)
  + WeChat-style “hold to speak” voice input ✅
  + Auto language detection
  + Server-side ASR (speech recognition)
* **Output (Voice Playback):**
  + RN-TTS integration ✅
  + Sentence-level segmentation ✅
  + Adjustable voice rate and tone
  + Option to disable voice playback in Settings
  + Interrupt voice output upon new input trigger

### ****Therapist Interface****

* Therapist overview ✅
* Therapist detail page ✅
* Therapist filtering functionality (planned)

### ****Explore Page****

* To be defined

### ****Journey Page****

* **Weekly Reports (Past 10 Weeks)**
* **Daily Reports (Past 10 Days)**
  + Title + Spotlight (clickable to detail page)
  + Detail View:
    - **Tab 1:** Date, Title, Spotlight, Summary
    - **Tab 2:** Chat Records

### ****Localization****

* Chinese interface support (i18n)

### ****Platform Adaptation****

* iOS optimization
* Android optimization

## ****7. Deployment & Operations****

### ****Bug Tracker****

| **Issue** | **Description** | **Status** |
| --- | --- | --- |
| /therapy/chat/stream triggers “access denied” | Does not affect pre-request validation but returns error post-request | Unresolved |

## ****8. Additional Notes****

* Integration with Google and other third-party account management platforms in progress.

Would you like me to also convert this into a **formatted technical document template (e.g., Markdown → PDF or DOCX)** with consistent section numbering, table of contents, and company footer branding (e.g., “MindWell Confidential – 2025”)? That would make it suitable for investor decks or engineering sprints.