# 🚀 Project Management Plan: Smart Financial Planner

**Team Size:** 3 Members

**Methodology:** Agile Scrum (1-Week Sprints)

**Total Duration:** 4 Weeks

## 👥 1. Team Roles & Responsibilities

### 🧑‍💻 Member A: Backend Lead

* **Role:** Architect & Database Keeper.
* **Tech:** Python (FastAPI), PostgreSQL, SQLAlchemy.
* **Key Tasks:**
  + Desain Database & Relasi (ERD).
  + API Endpoints (Wallets, Transactions, Auth).
  + Logic Transfer (Atomic Transaction).
  + Logic Financial Health Calculation.

### 🎨 Member B: Frontend Lead

* **Role:** UI/UX & Interaction.
* **Tech:** Next.js, Tailwind CSS, Chart.js/Recharts.
* **Key Tasks:**
  + Desain Layout & Komponen Dashboard.
  + Integrasi API ke UI.
  + Visualisasi Gauge Meter & Grafik.
  + State Management (Client-side logic).

### 🕵️ Member C: Fullstack Specialist

* **Role:** Feature Specialist & QA.
* **Tech:** Python (OCR/Scheduler), Integration Testing.
* **Key Tasks:**
  + Implementasi OCR Engine (Tesseract/EasyOCR).
  + Setup Recurring Scheduler (Cron Jobs).
  + Bridge antara Frontend & Backend (Bantu integrasi).
  + Testing & Bug Hunting.

## 📅 2. Sprint Timeline

### **Sprint 1: Core Foundation (Week 1)**

*Goal: Aplikasi bisa CRUD dasar (Catat uang & Dompet).*

* **BE:** Setup Project, DB Schema, API CRUD Wallets & Transactions.
* **FE:** Setup Project, Login Page, Dashboard Layout, Input Form Manual.
* **Spec:** Setup Dummy Data, Test API Endpoints.

### **Sprint 2: Logic & Prediction (Week 2)**

*Goal: Fitur Transfer & Prediksi Kebangkrutan aktif.*

* **BE:** API Transfer (Atomic), API Health Check Logic.
* **FE:** UI Transfer Modal, Component Gauge Meter (Visualisasi).
* **Spec:** Riset & Implementasi awal Scheduler untuk Recurring.

### **Sprint 3: Advanced Features (Week 3)**

*Goal: OCR Scanner & Recurring Confirmation.*

* **BE:** API Upload & OCR Processing, API Recurring Confirmation.
* **FE:** UI Camera/Upload, Page "Pending Bills" (Konfirmasi Tagihan).
* **Spec:** Tuning akurasi OCR (Preprocessing Image), Testing flow recurring.

### **Sprint 4: Polish & Launch (Week 4)**

*Goal: Bug fixing & Deployment.*

* **All:** Global Testing (Coba bikin akun baru sampai transaksi).
* **FE:** Perbaiki UI Glitch, Loading States, Error Messages.
* **BE:** Final Security Check, Soft Delete Verification.
* **DevOps:** Deploy ke Vercel (FE) & Railway (BE).

## 🚦 3. Ritual Tim (Agile Lite)

1. **Weekly Planning (Senin Pagi - 30 Menit):**
   * Cek Trello.
   * Ambil task masing-masing untuk minggu ini.
   * "Minggu ini target kita apa?"
2. **Weekly Demo (Jumat Sore - 1 Jam):**
   * Pamerin hasil kerjaan.
   * Evaluasi: "Apa yang susah minggu ini? Apa yang harus diperbaiki?"
   * Rayakan progress kecil (Penting biar nggak burnout!).
3. **No Daily Standup (Opsional):**
   * Karena tim kecil, cukup update di Grup Chat: *"Gw lagi ngerjain API Transfer ya, jangan diganggu dulu."*

*Generated by Gemini System Analyst*