



# MoneyFlow - Project Proposal

## 1. Overview

MoneyFlow is a simple, practical, and user-friendly personal finance web application built using Django, TailwindCSS, and SQLite. It helps users track income, expenses, and balance at a glance, with minimal complexity and maximum usability.

Unlike large, complex financial tools, MoneyFlow focuses on providing essential features with an intuitive interface that works across devices.

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## 2. Purpose & Objectives

**Purpose:** Create an easy-to-use finance tracker for individuals and small businesses.

**Objectives:** - Implement basic user authentication (register, login, reset password) - Track and manage transactions - Provide clear financial summaries - Enable custom categories - Ensure responsive, mobile-friendly design

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## 3. Target Users

- Students tracking allowances and expenses
  - Freelancers monitoring income from multiple clients
  - Small business owners needing a lightweight cashbook alternative
  - Anyone seeking a minimal, effective money management tool
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## 4. Key Features

- **Authentication:** Register, login, logout, reset password
  - **Dashboard:** KPIs for income, expense, balance with recent transactions
  - **Transactions:** CRUD operations, filtering, search, pagination
  - **Categories:** Defaults + custom categories
  - **UI/UX:** Dark/light mode toggle, responsive navigation
  - **Styling:** TailwindCSS via CDN, accessible forms
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## 5. Tech Stack

- **Backend:** Django (latest stable version)
- **Frontend:** Django Templates + TailwindCSS (CDN)

- **Database:** SQLite
  - **Authentication:** Django built-in auth system
  - **Optional Deployment Tools:** Whitenoise, Gunicorn, Docker (future roadmap)
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## 6. Page Structure

**1. Authentication Pages:** Register, Login, Password Reset **2. Dashboard:** Greeting, summary cards, quick add buttons, recent transactions **3. Transactions Page:** Filter bar, transaction list, pagination **4. Add/Edit Transaction:** Form for creating or updating transactions **5. Profile Page:** Edit personal info, theme toggle **6. About Page:** App description and contact info

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## 7. Data Model

**Category** - name (string) - user (nullable foreign key) - is\_default (boolean)

**Transaction** - user (foreign key) - type (income/expense) - category (foreign key) - amount (decimal) - date (date) - notes (text, optional)

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## 8. Timeline

Week	Milestone
1	Setup, models, authentication
2	Dashboard, transactions CRUD, categories
3	Filters, pagination, theme toggle
4	UI polish, testing, documentation
5	Deployment & presentation

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## 9. Expected Outcomes

- A fully functional, user-friendly finance tracker
- Foundation for future analytics and reporting features
- Open-source base for customization and extension