# MoneyFlow

## 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.

## 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

## 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

## 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

## 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)

## 6. Page Structure

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

## 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)

## 8. Expected Outcomes

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