



# Budget Management System Smart Personal Finance Made Easy

Presented by: Ahmad Raza Muhammad Umar Abid Maaz Irfan Zeeshan  
Younas Shahbaz Akhtar Simonee Ezekiel

# Problem Statement

■ **People often struggle to manage personal finances**

■ **Overspending is common without clear budgets**

■ **Manual expense tracking is time-consuming**

■ **No personalized financial advice in most apps**

There is a need for a simple, intelligent, and automated solution.

# The Solution

Budget Management System helps users:



**Track expenses easily**



**Set and manage budgets**



**Define savings goals**



**Get AI-powered financial suggestions**



**Upload receipts and auto-log them using OCR**

# Tech Stack

## Frontend

- React.js
- Tailwind CSS

## Backend & Auth

- Supabase

## State Management

- Context API

## AI + OCR

- JavaScript libraries / integrations

# Authentication

- Email/password signup & login
- Protected user routes
- Session handling with Supabase
- Role-based access (future support)



# Dashboard Overview

- Simple and clean UI
- Real-time budget overview
- Track expenses, goals, and insights
- Quick access to all modules

# Budget & Transactions

Add/edit/delete transactions

Automatically categorize expenses

Set monthly or weekly budgets

Visual indicators for usage

## Goals Module

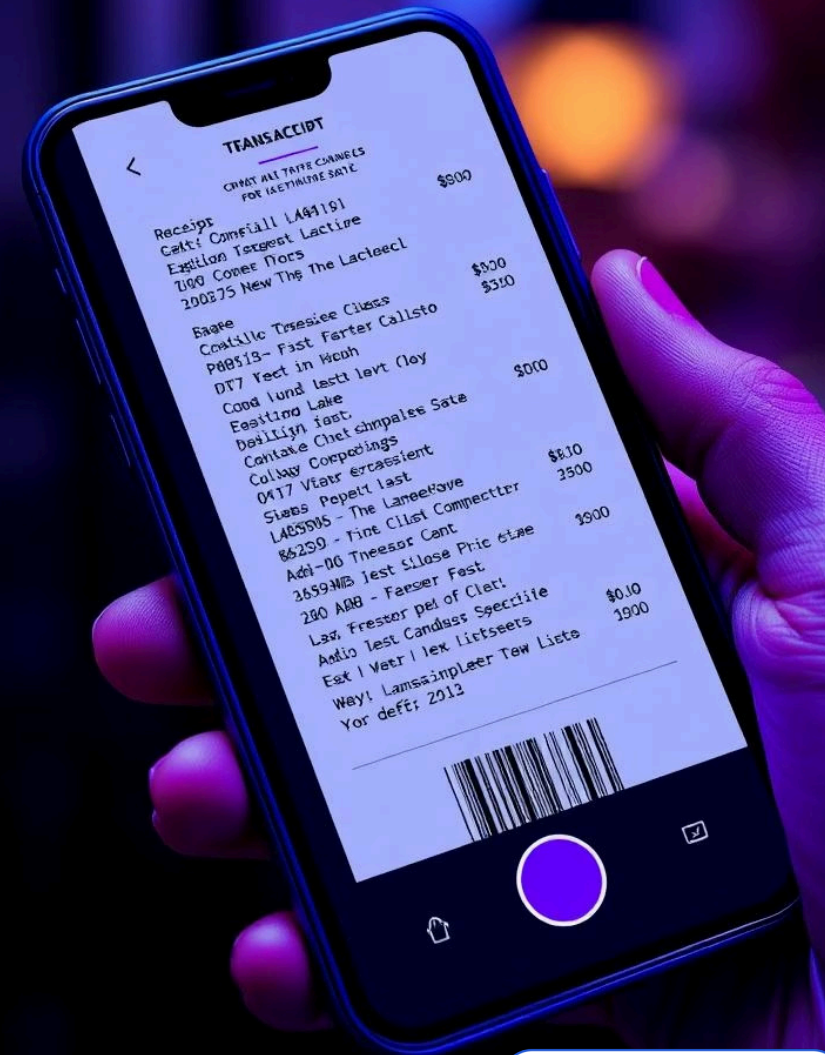
- Create and manage savings goals
- Track progress in real-time
- AI tips for saving faster
- Helps build financial discipline

# OCR Receipt Upload

- Upload photo of receipts
- OCR extracts transaction data
- Auto-adds to transaction list
- Saves time and effort

# AI Suggestions

- Analyze spending patterns
- Provide saving tips
- Warn about overspending
- Suggest better financial decisions



# Supabase Schema

## Database Tables:

- users
- transactions
- budgets
- goals
- receipts

## Features:

- Realtime sync
- Authentication
- Role support (future ready)

# App Pages / Routes

1. /login — Secure login
2. /signup — Register
3. /dashboard — Financial overview
4. /transactions — Manage expenses
5. /budget — Setup budgets
6. /goals — Track savings
7. /ocr-upload — Upload receipts
8. /ai-insights — Smart tips



# What's Next?



Google/GitHub login support



PDF export for reports



Multi-currency tracking



Email alerts/reminders



Spending charts and analytics

# Thank You

Thank You for Listening!

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