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EasyBudget Tracker App

App Overview:

This is a Kotlin-based Android application designed to help users manage their budget and track expenses in an engaging way through gamification.

Features:

- User registration and login

- Create and manage categories (e.g., Groceries, Transport)

- Add expense entries (amount, description, date, category)

- Attach receipt images

- Set monthly budgets and category-specific limits

- View list of expenses over time

- View category totals over a period

- Graphical display of spending trends

- Budget progress dashboard

- Gamification features (badges for staying under budget, etc.)

Custom Features (Part 3 Requirements):

- Daily budget tips via notifications

- Weekly expense summary email or screen

Tech Stack:

- Language: Kotlin

- Database: RoomDB

- Testing: Unit tests + GitHub Actions CI

- UI: Material Design with mockups

-Version Control: Git + GitHub

Testing and CI/CD

This project uses GitHub Actions to automate the build and testing process.

See the GitHub Actions file: https://github.com/Dinilethu/OPSC6311-EasyBudget/tree/main/.github/workflows

Video Demonstration

https://youtu.be/EbCEmn9PMnA

File Structure

- `app/`: Kotlin source code

- `res/`: Resources (layouts, icons)

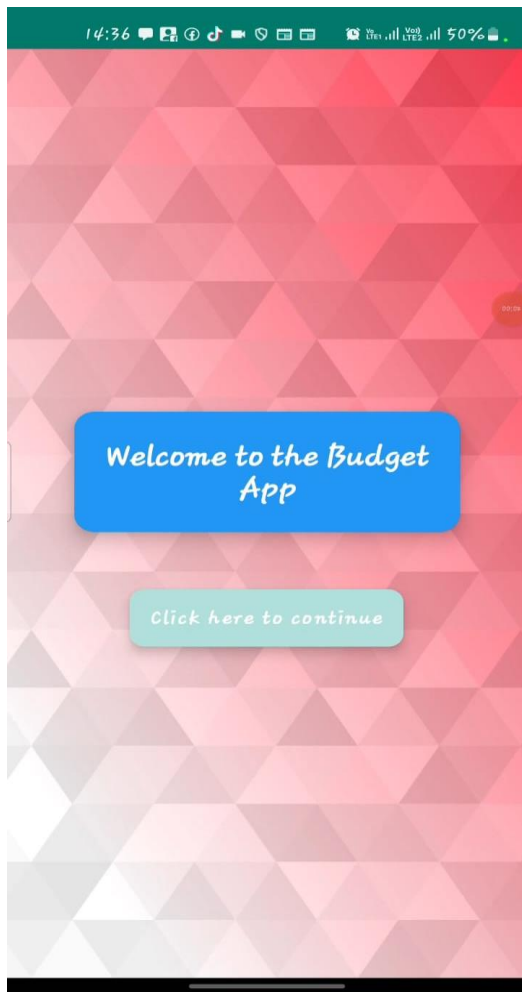- `AndroidManifest.xml`: App configuration

- `README.md`: This file

Installation:
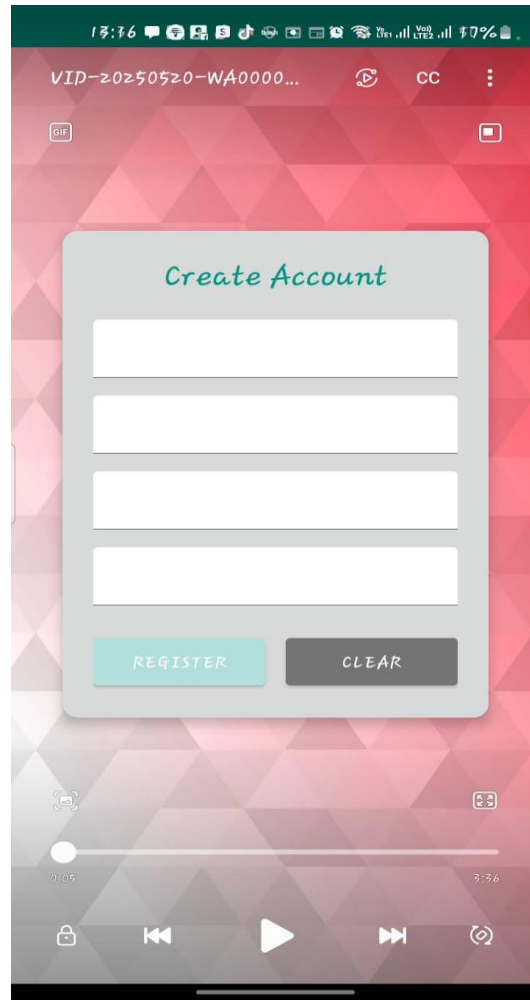
To install the app:

1. Clone this repository

2. Open in Android Studio

3. Build and run on a real device4. Or install via the included `app-debug.apk`
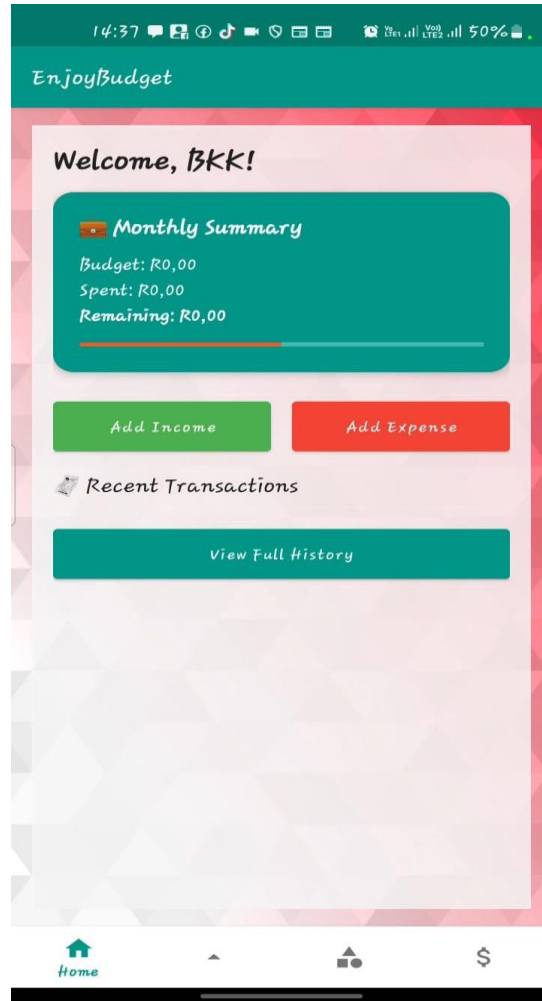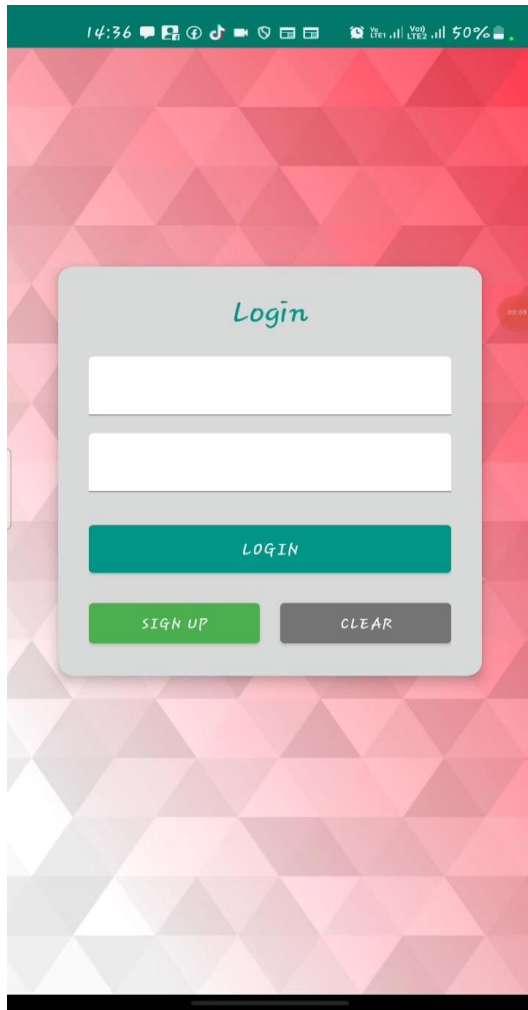
Screenshots:
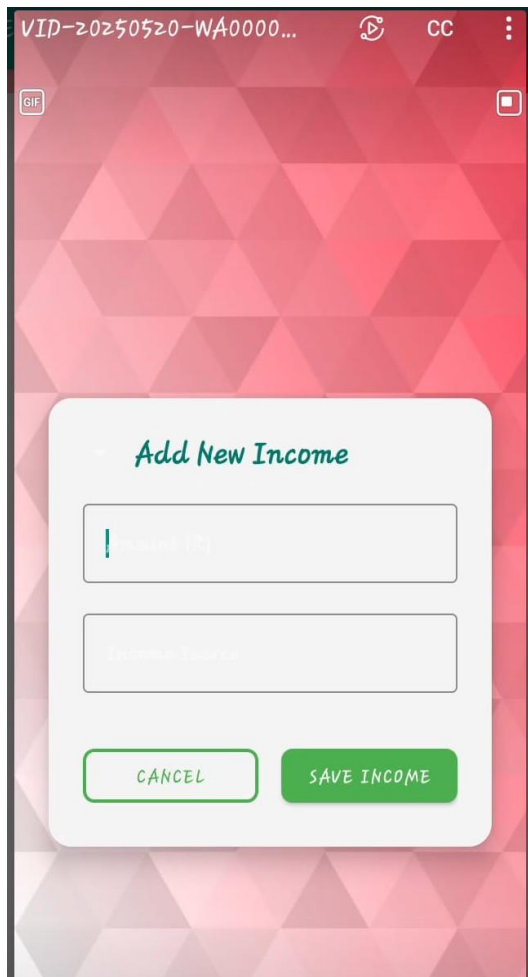
Homepage: **Create Account:**
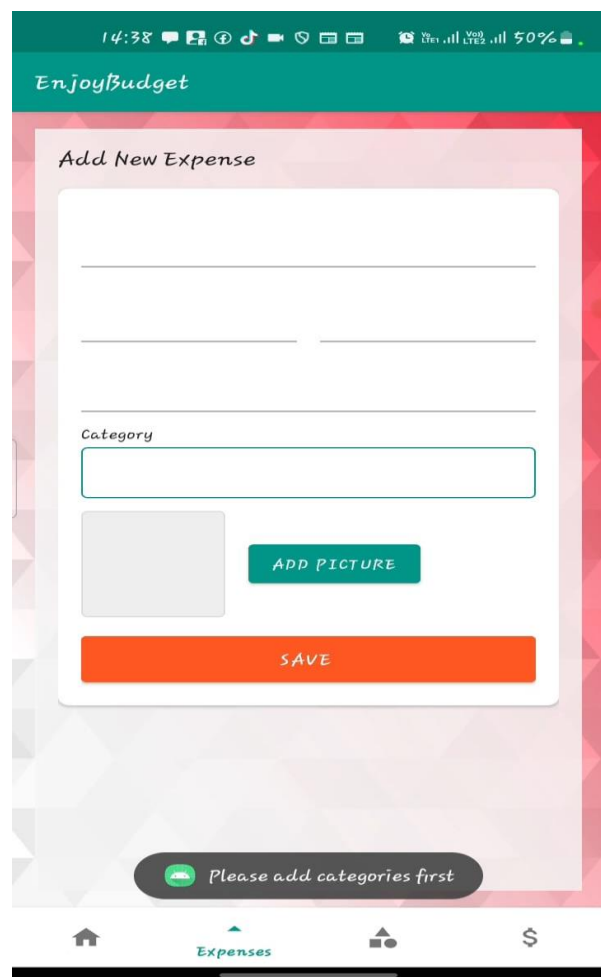

Login: **Home/Dashboard:**

Add Income: **Add New Expense:**

Expense Categories: **Budget Goals/Logout:**

EnjoyBudget

Expense Categories

ADD CATEGORY

Your Categories

car 🗑️

clothes 🗑️

food 🗑️

🏠 ▲ 🔺 $
Categories

EnjoyBudget

Budget Goals

Month (e.g. 2025-04)
2025-05 📅

Minimum Goal (R)

Maximum Goal (R)

SAVE BUDGET GOAL

LOGOUT

🏠 ▲ 🔺 $
Budget