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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:**

A screenshot of a phone

AI-generated content may be incorrect. A screenshot of a login form

AI-generated content may be incorrect.

**Login: Home/Dashboard:**

**A screenshot of a login screen

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**Add Income: Add New Expense:**

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

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