

Feature 1: Currency Conversion

ST10081245 ST10145067 ST10264009 ST10397162 ST10368647

Functionality:

* Users can select a base currency from a list of popular options such as **USD (US Dollar), EUR (Euro), GBP (British Pound)**, and more.
* The amount to be converted can be entered manually through a clean, intuitive input interface.
* Upon confirmation, the app fetches **real-time exchange rates** (from an integrated API or local update source) and calculates the equivalent value in **South African Rand (ZAR)**.
* Each conversion performed by the user is **stored in a local history log**, enabling users to revisit past conversions for financial records, comparison, or reference.
* The feature includes **input validation** to prevent errors (e.g., negative values or invalid currency selection).

Benefits:

* Helps users make informed budgeting decisions for international purchases or travel expenses.
* Useful for freelancers or remote workers dealing with multi-currency income.
* Adds precision to expense entries by converting them accurately into ZAR.
* Promotes transparency and traceability with a historical conversion log.

Feature 2: Expense Reminders

Functionality:

* While recording an expense, users have the option to **attach a reminder** to that specific transaction.
* Reminders can be configured as **one-time notifications** or **recurring events** ideal for monthly rent, weekly loan payments, or yearly subscriptions.
* Users receive **automated alerts** through the device's notification system at the scheduled time or date.
* Reminders can be edited or deleted easily, offering flexibility and control as financial plans change.
* The reminder system is designed to be lightweight and seamlessly integrated into the existing expense entry workflow.

Benefits:

* Reduces the risk of **missed payments**, which can lead to additional charges or service interruptions.
* Encourages consistent **financial planning and organization**.
* Enhances user confidence in managing day-to-day and long-term obligations.
* Ensures that recurring expenses like subscriptions or bills are always accounted for on time.
* Makes the app not just a tracker but a **personal finance assistant**.

**App Icon:**



GitHub Link:

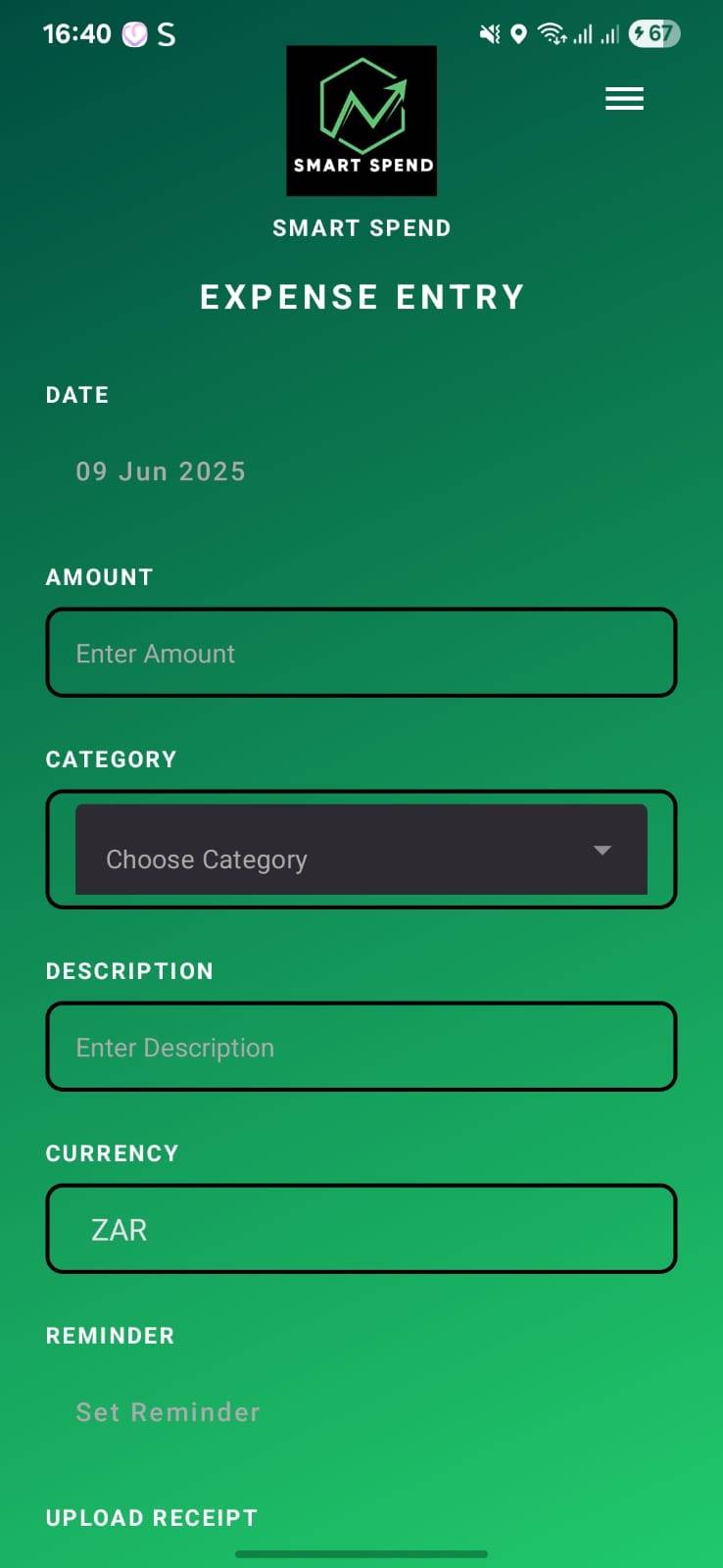
<https://github.com/ChloeNaidoo/PROG7313-POE.git>

Video Link:

<https://youtu.be/fqaytOSxHrA>

Part 1 Research link:   
[POE\_Part1\_PROG7313\_404 Solutions.docx](https://1drv.ms/w/c/43b6eead7690b636/EdOOPLYGA3VPpXgYIFZ8L5MBKMerRaVxOcF9N0UWfLRF6Q?e=aa4f7k)

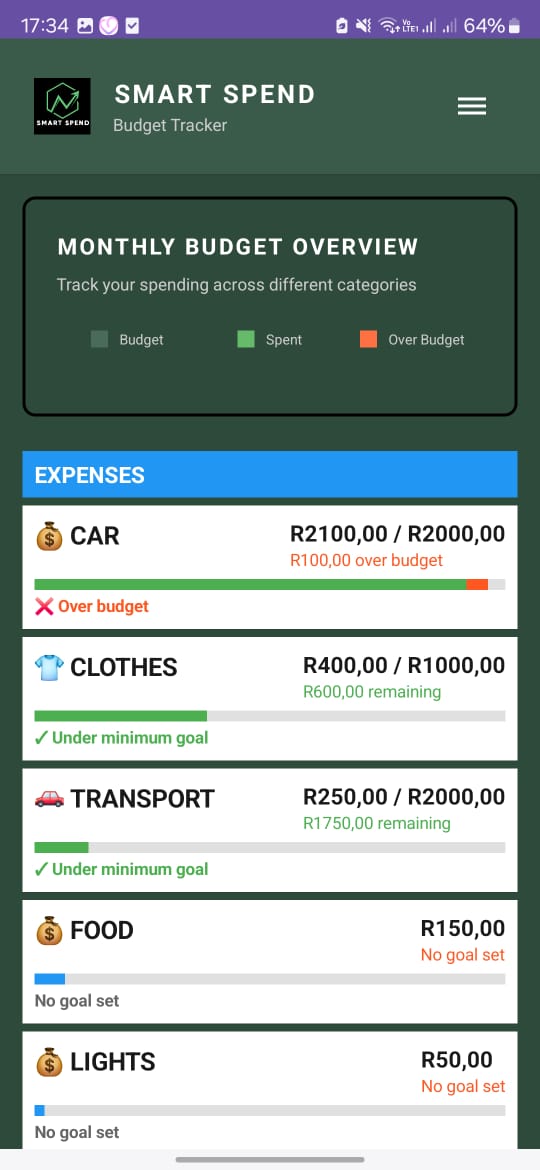
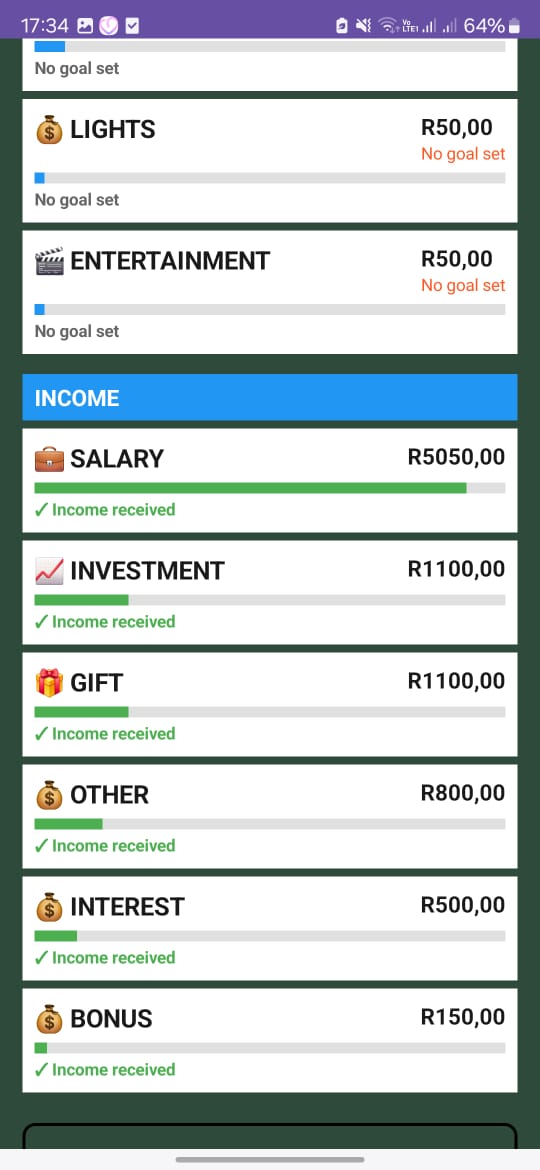
Part 1 Planning and Design:  
[PROG7313 POE.docx](https://1drv.ms/w/c/43b6eead7690b636/Eeb96J-pzExPq3UTcfzovrMBfDptdnvYxZFZT5G_Qz3rZA?e=IwfG9C)

A screenshot of a graph

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

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

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

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

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

AI-generated content may be incorrect.A screenshot of a green screen

AI-generated content may be incorrect.A screenshot of a mobile phone

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User Interfaces:

Expense Entry

Min and Max Graph feature

Income Entry

Login

Logout

Income

Expense

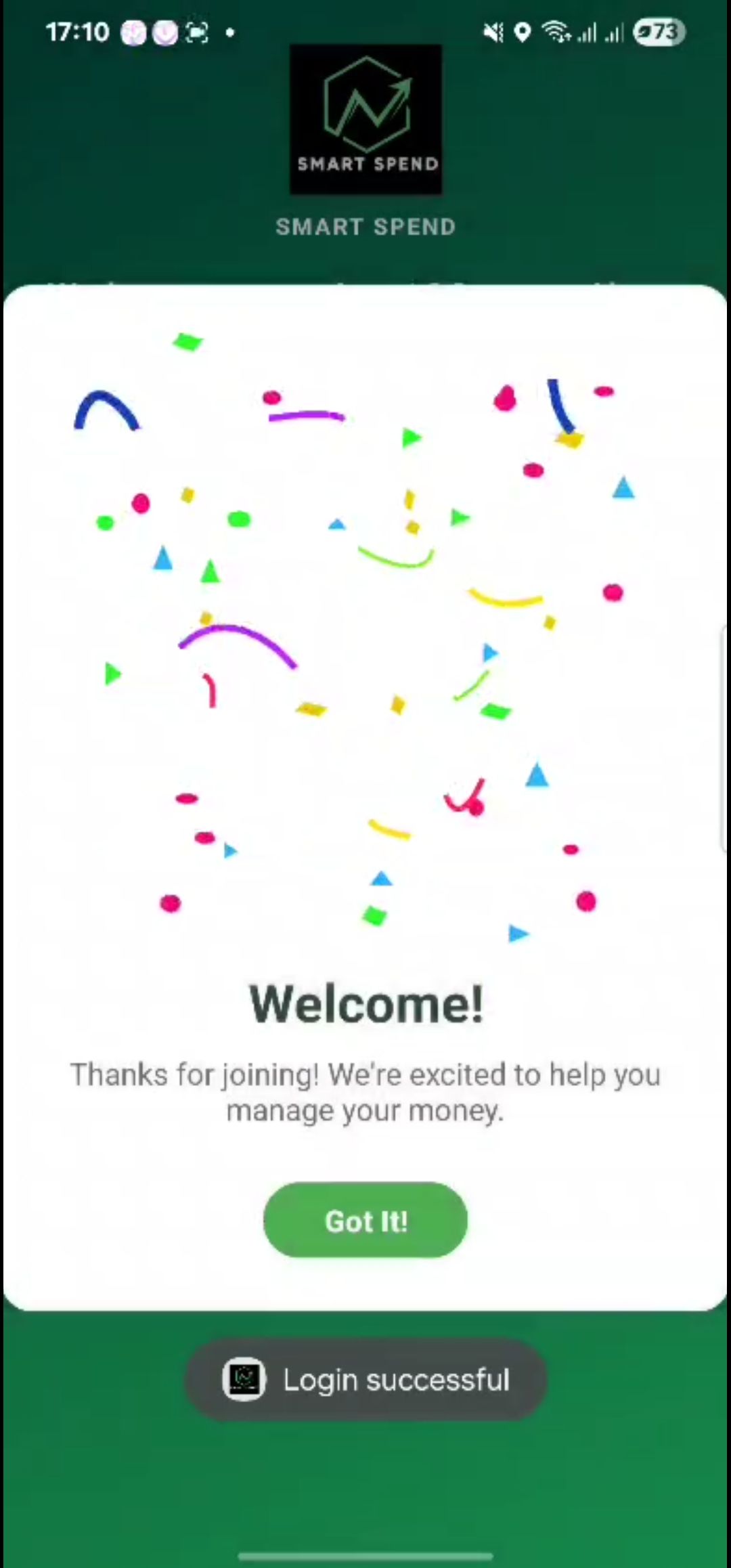
Navigation

Set Goal

Tracking Spending Graph Feature

Total Transaction

Home page



First Gamification

A screenshot of a calendar

AI-generated content may be incorrect.

Reminder Feature

A screenshot of a green and black screen

AI-generated content may be incorrect.

Currency Converter feature