

# Milestone #4

## Beta Prototype

**Team: DroidLabs**

Vishnu Jayanand  
Thalakkotoor Savio Jojo  
Minh Dung Do  
Lauro Fialho Müller



# Our money control app



**PocketControl**

# New Requirements

## Essential

1. Export Data
2. Help Menu

## Necessity

1. Contact Support

## Feedback

1. No category for Income
2. Currency Selection in Transaction Screen

Category  
Health

Default category:

Select Currency  
EUR

Default currency:

Select Payment Mode  
Cash

Default payment method:

Export my user profile data to Google Drive [Export](#)

Answers to frequently asked questions [Help](#)

Contact development team for support [Contact](#)

Home Categories Transactions Budgets Settings

# New Requirements

## Essential

1. Export Data
2. Help Menu

## Necessity

1. Contact Support

## Feedback

1. No category for Income
2. Currency Selection in Transaction Screen

# Implementation

- No major architectural changes.
- Categorizing tasks based on workload.
- Division of Tasks to members.
- Feedback from client.



# Testing

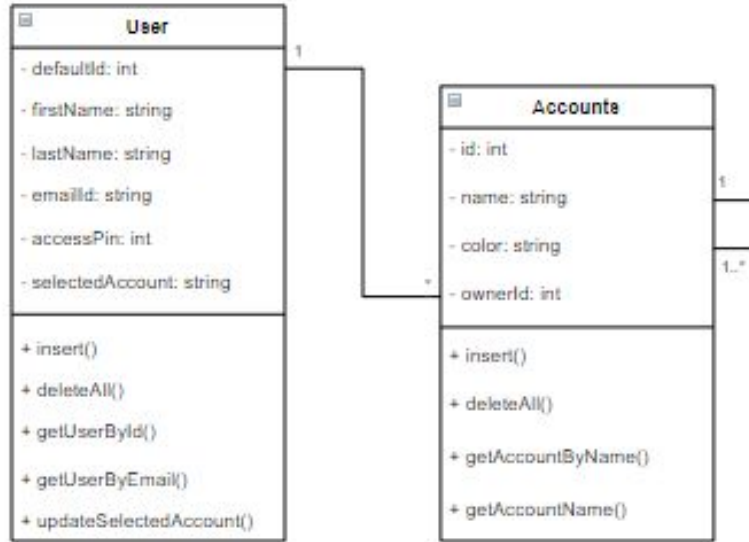
1. Systematic Approach
2. Manual Testing for features
3. Acceptance Tests
4. Boundary Tests
5. Semi-automated Tests

```
> Task :app:checkstyle FAILED
1 actionable task: 1 executed
[ant:checkstyle] [ERROR] C:\Users\vishn\OneDrive\Documents\Documents\OvGU\SoSe 20-21\2. ISEE\DroidL
\droidlabs\pocketcontrol\ui\settings\SettingsFragment.java:61:8: Unused import - android.widget.Data
```

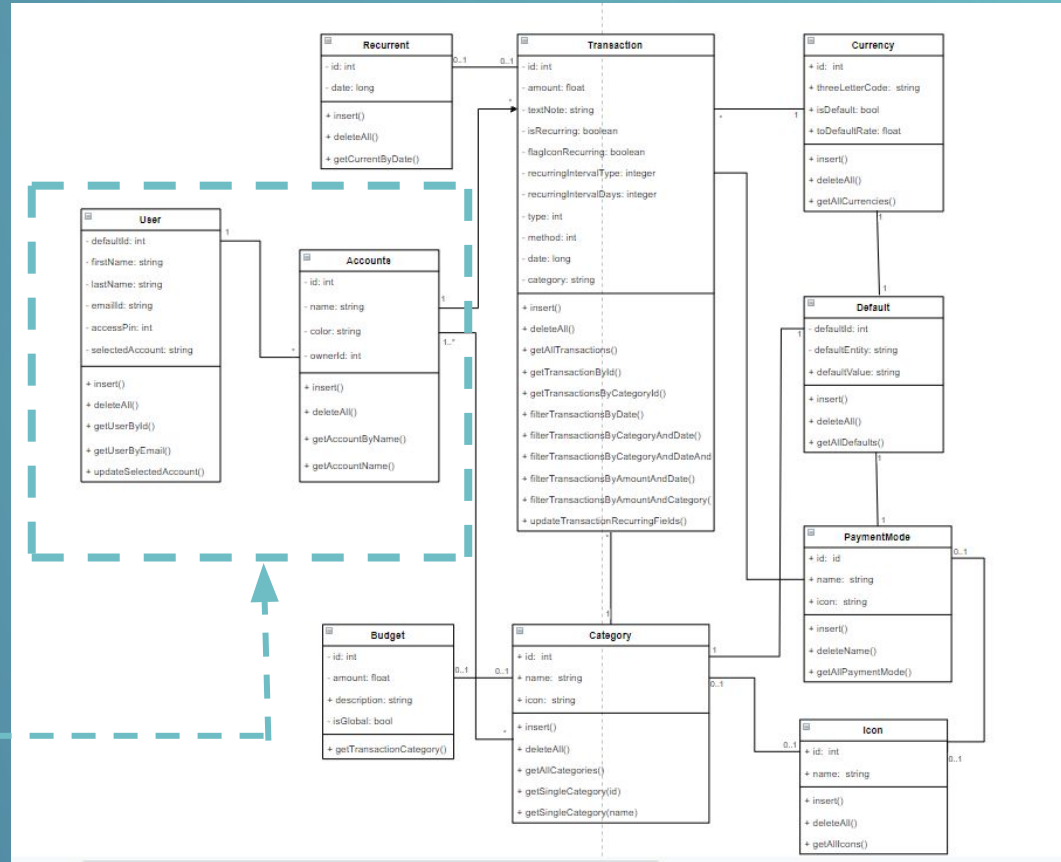
## Correctness Warnings

Code	Warning
NP	Possible null pointer dereference of null in com.droidlabs.pocketcontrol.db.currency.CurrencyDao_Impl.getAllCurrencies()

# System Design



- Helper Classes + Adapter Classes



# Test Design

1. Initial Testing insufficient
2. Comprehensive Acceptance Testing.
3. Fluidity across devices.



# UI Design

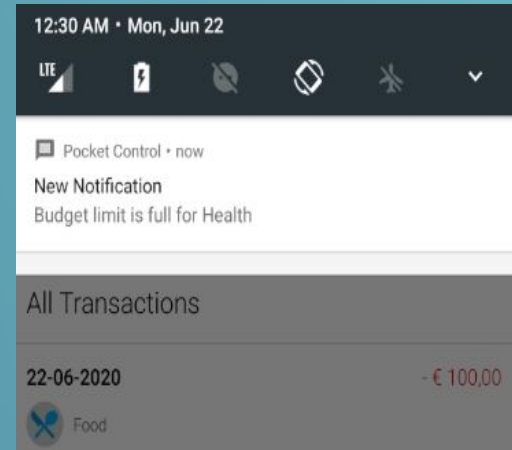
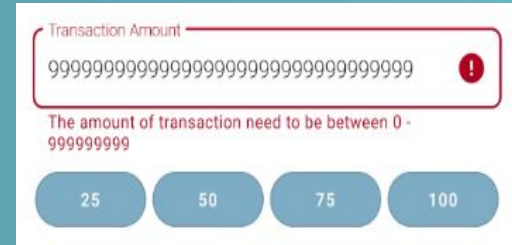
- Moving back and forth between screens.
- UI Layout breakages
- Email Layout in different Android Version

[illegible]




# Bugs

- Large input amount breaks layout.
- Empty fields for Category → App Crash
- Notifications not displayed on all phones.
- Inconsistent default value updation.
- Summary cards for Different Accounts



# Demo



## PocketControl

Create a new user profile!

[Sign Up](#)

[I already have a user profile](#)

€ -225,00

TOTAL NET BALANCE

Default account

Switch account

Account's incomes

€ 100,00

Account's expenses

€ 225,00

Account's balance

€ -125,00

[Add account](#)

Summary

Top Spent Transaction

Health

€ 75,00

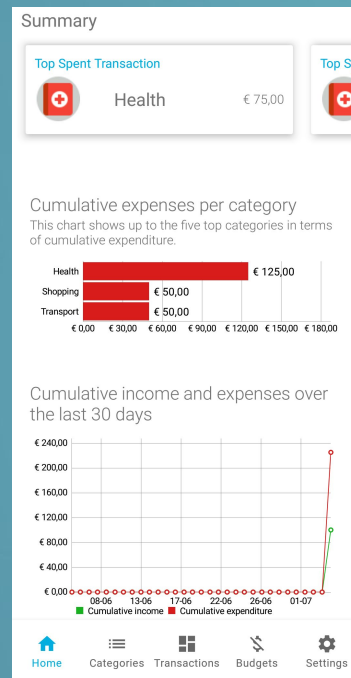
Home

Categories

Transactions

Budgets

Settings



Default category:

Health

Default currency:

EUR

Default payment method:

Cash

Export my user profile data to Google Drive

[Export](#)

Answers to frequently asked questions

[Help](#)

Contact development team for support

[Contact](#)

Home

Categories

Transactions

Budgets

Settings



Questions?



# Thank you!