



ARTexceptioNals

Basic Prototype

Requirements

- ❖ The gathered requirements have been analyzed and categorized as Essential, Necessary and Desirable Requirements.

1. Essential Requirements:

- ☐ Customizable category, deleting option.
- ☐ Payment method of income and expenditure.
- ☐ Free text note.
- ☐ Date
- ☐ Security feature(Pin for the app)
- ☐ Statistics

2. Necessary Requirements:

- ☐ Security question to retrieve forgotten password. Take the answer for security question while setting the pin.
- ☐ The data needs to be filtered based on time, type of payment, category, range of money.
- ☐ Currency change support.

Requirements I

3. Desirable Requirements:

- ❑ Sharing expense with other users
- ❑ Summarize monthly expenses in mail
- ❑ Store data on server/firebase
- ❑ Sync at particular time with firebase serve

❖ Estimated Time:

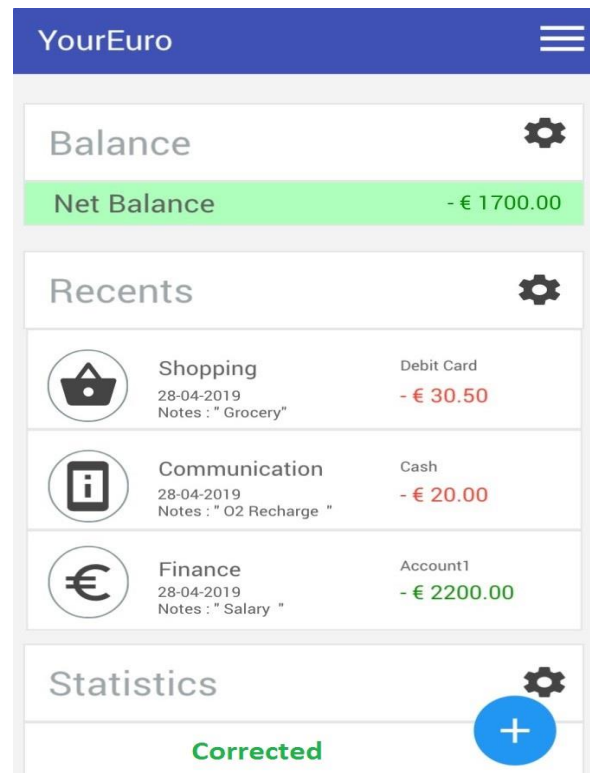
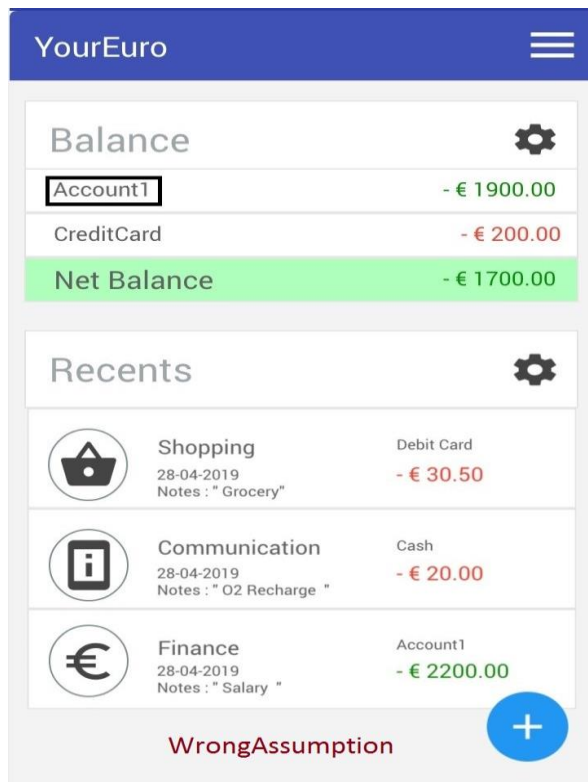
- ❑ Divided our User stories into four Epics
- ❑ Each Epic is categorized into Stories and Stories are further categorized into multiple tasks
- ❑ Have provided three sprints for each Epic, one and a half sprints for each story
- ❑ For fast and smooth purpose of our work, we have divided our development teams into two groups, each working on one Epic
- ❑ The time estimation of two other Epics will be re-calculated depending on first two Epics

User Story

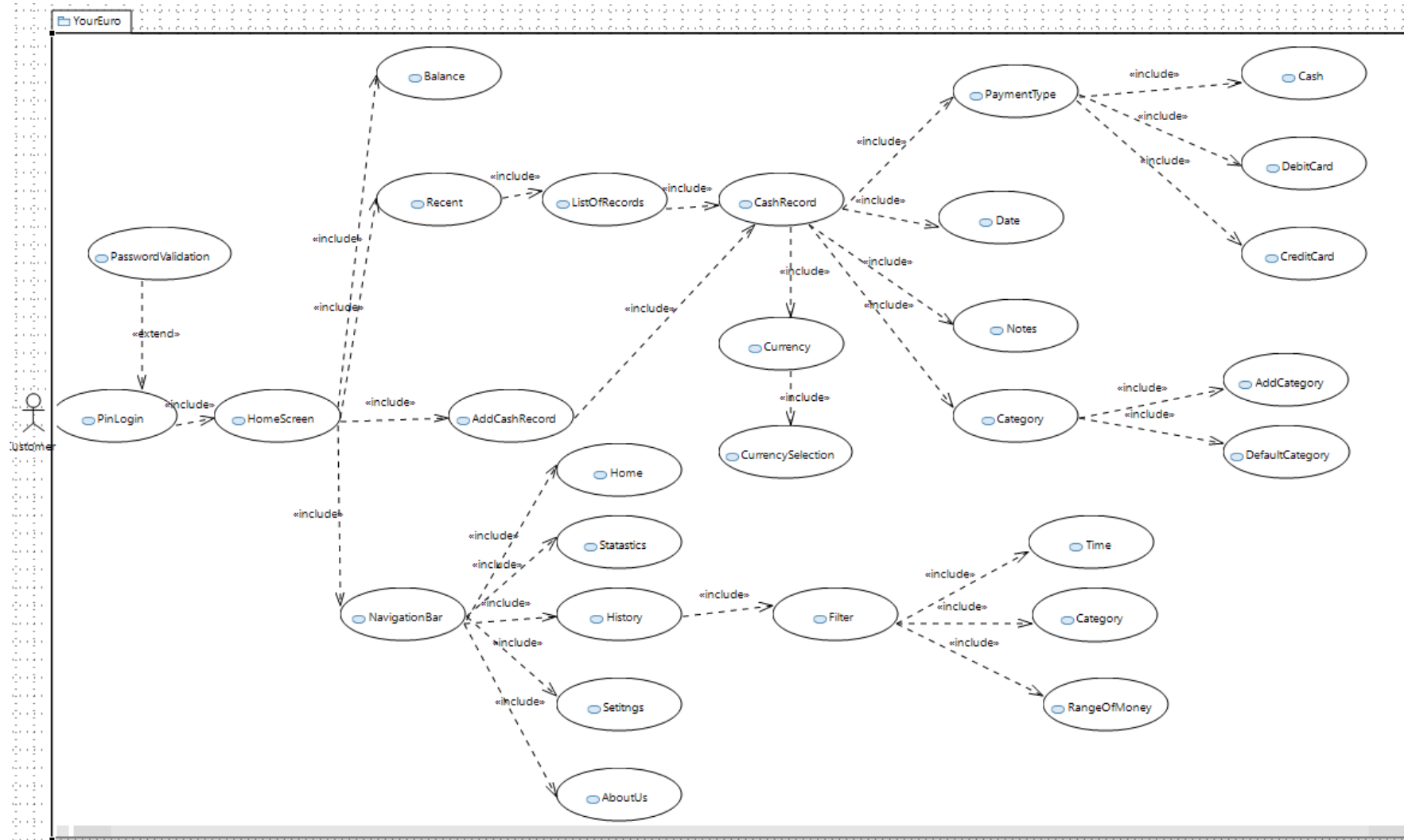
<u>EPIC 1</u> User should be able to record monetary transaction.	<u>EPIC 2</u> User should be able to view history of transactions.	<u>EPIC 3</u> User should be able to configure the app via settings.	<u>EPIC 4</u> User should be able to view the Statistics of transactions in Graphical format.
<u>Story 1:</u> User should be able to give details about the transaction.(Date, Payment Type). <u>Task 1:</u> Designs details activity <u>Task 2:</u> Store records in database. <u>Story 2:</u> User should keep a track of repetitive transactions. <u>Task 1:</u> Filter based on name with time.	<u>Story 1:</u> Display recent transaction. <u>Task 1:</u> Design how a record must be displayed. <u>Task 2:</u> Design recent view in Home screen. <u>Story 2:</u> Display records in a given span of time. <u>Task 1:</u> Filter based on date-daily, weekly, monthly, yearly. <u>Task 2:</u> Filter based on category, range of money, payment type.	<u>Story 1:</u> Setup security features. <u>Task 1:</u> Enable security <u>Task 2:</u> Setup pin. <u>Story 2:</u> Currency Selection. <u>Task 1:</u> Default currency <u>Task 2:</u> Explore and implement currency conversion library.	<u>Story 1:</u> User should be able to visualize his expenses. <u>Task 1:</u> Explore the graphical library. <u>Task 2:</u> Display summary in different graphical format. <u>Story 2:</u> User should be able to filter the summary. <u>Task 1:</u> Filter based on time period.

Wrong Assumptions

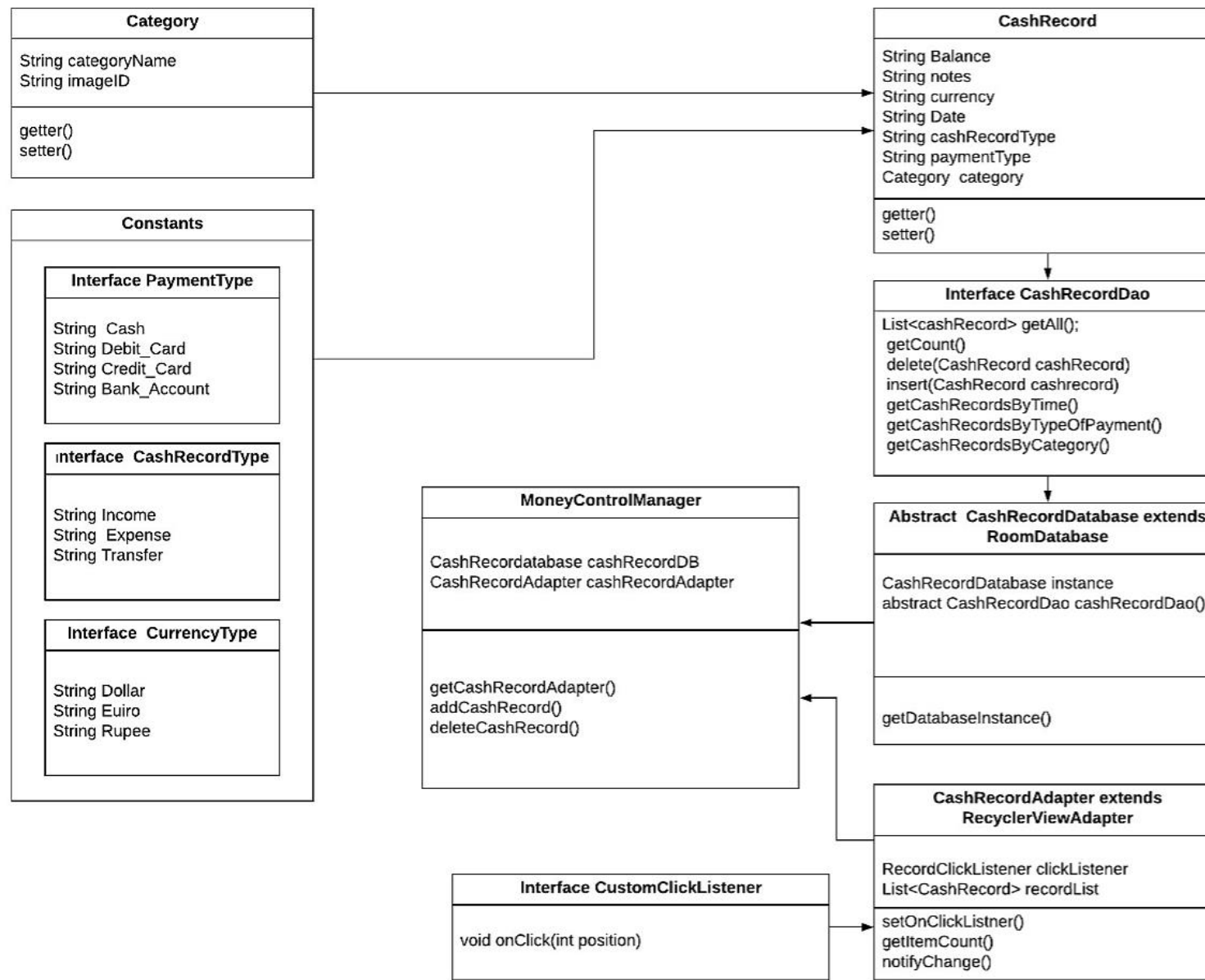
- ❖ Barcode scanning is not required
- ❖ We assumed that Login authentication should be given using Google, Facebook or email whereas the client requirement is just pin authentication
- ❖ We got to know filtering the expenses based on Payment type, Range of money and category is required along with just date (initial assumption)
- ❖ Our assumption was to include multiple bank accounts in the app but the requirement is to monitor transactions of only one account as shown below.



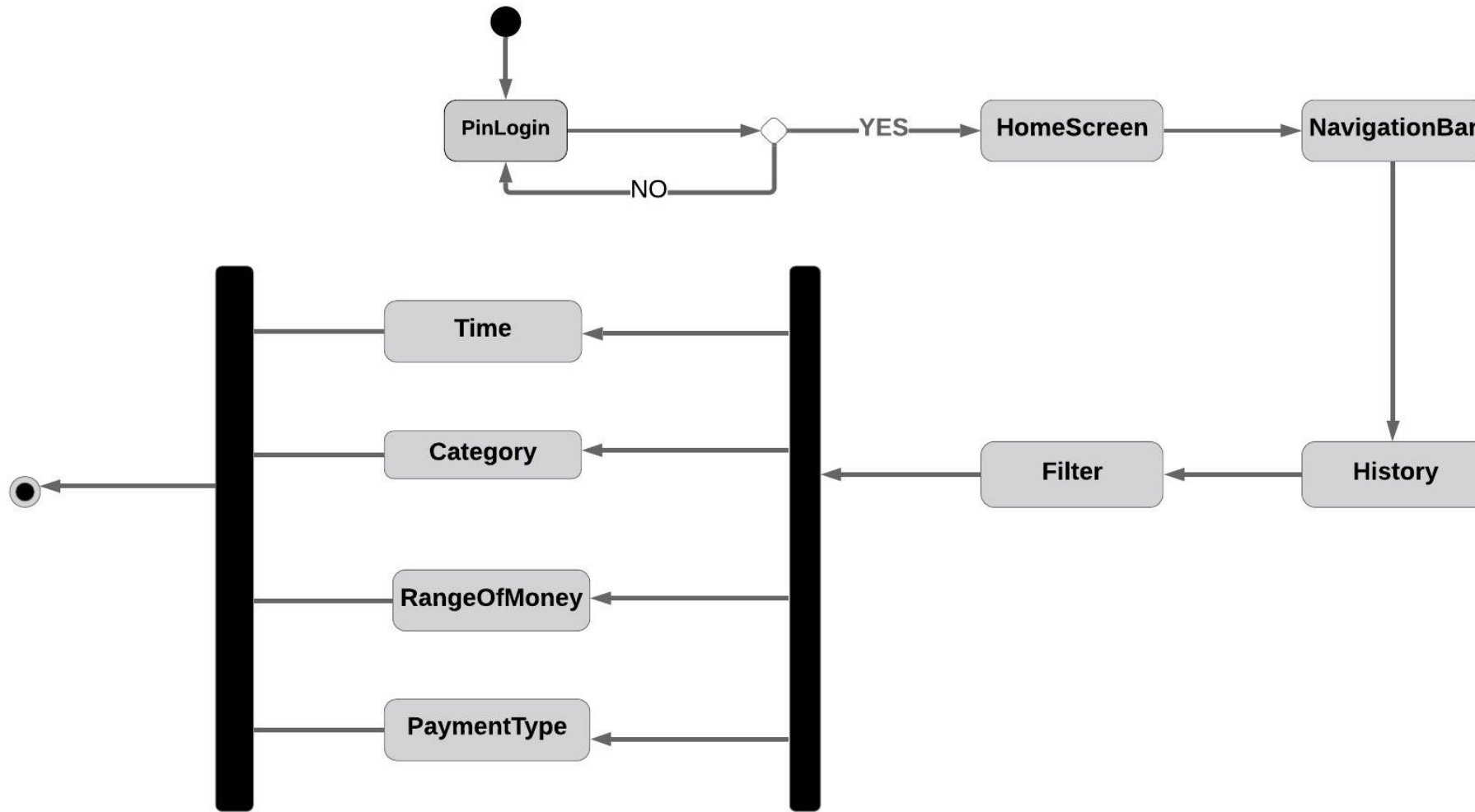
Use Case Diagram



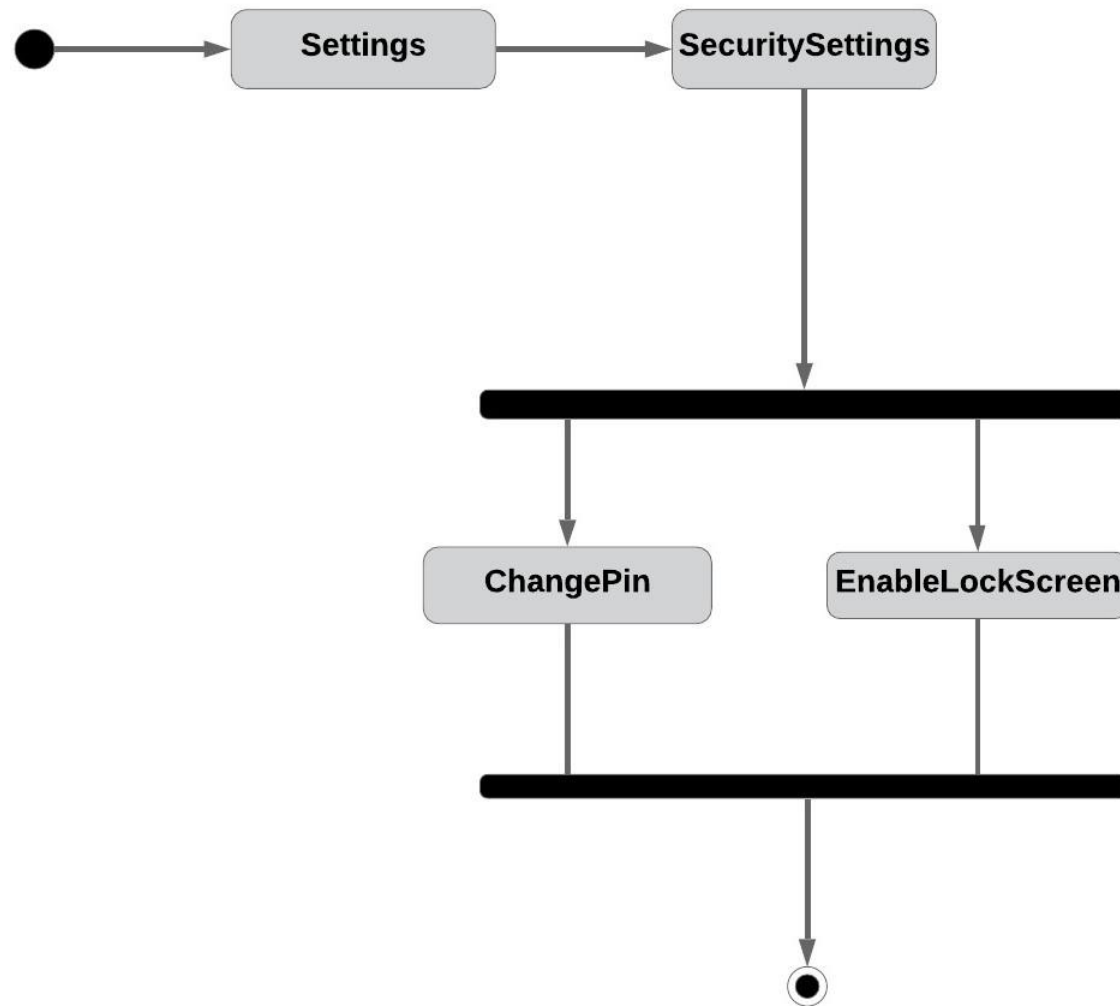
Class Diagram



Activity Diagram- Navigation Bar



Activity Diagram- Settings Page



Development Strategy

Sprint 2(01-05-2018) ☆ ARTexceptionals Free Team Visible AR K AB MS 4 Invite

To Do

- Low Priority** **Necessary**
Date picker for calendar
May 15 AB
- Essential** **High Priority**
Add navigation bar
May 15 AR
- Medium Priority** **Essential**
Add delete option on app bar in detail activity
May 15 AR
- Essential** **High Priority**
Design a DetailActivity for CashRecord
May 15 AR
- Low Priority** **Desirable**
Store data on server/firebase
AR

Doing

- Essential** **High Priority**
Add roomdatabase for CashRecord
May 15 K
- Essential** **High Priority**
Add a Dialog to add account details
May 15 AB
- Medium Priority** **Essential**
Enable/Disable pin feature in settings using radio button, to disable the feature pin needs to be added
May 15 MS
- Medium Priority** **Essential**
Create weekly report-2
May 15 AB

Done

- Low Priority** **Necessary**
Time picker using a 24hr clock
May 15 AB
- Medium Priority** **Necessary**
About us activity
2 May 15 AR
- Medium Priority** **Essential**
Create weekly report
May 8 AB
- Essential** **High Priority**
Add detail activity
May 15 K

+ Add another card

Development Strategy I

The screenshot shows a Trello board interface. At the top, there's a navigation bar with a home icon, a 'Boards' tab, a search icon, and the Trello logo. Below this, the board is titled 'Backlog' with a star icon, followed by 'ARTexceptionals' (marked 'Free'), 'Team Visible', a user icon 'K', and a 'Join Board' button. The main content area is a list of tasks under the heading 'TO DO'. Each task card has a title, priority labels, and a description.

Task	Priority	Status
Statistics 1: Pie chart	Medium Priority	Essential
Statistics 1: bar graph	Medium Priority	Essential
Statistics 1: Pie chart	Medium Priority	Essential
Currencyconvertor	Low Priority	Desirable
Sync with Firebase	Low Priority	Desirable
Sync at particular time with firebase server	Low Priority	Desirable
Add login with gmail/email	Low Priority	Desirable
Security question to retrieve forgotten password. Take the answer for security question while setting the pin	Medium Priority	Necessary

Development Strategy II

Active branches				
development_Madhu	Updated 6 days ago by sirivellamadhugopal	2 6	#1 Open	
development_Kartik	Updated 10 days ago by kartikprabhu20	2 5	New pull request	
development_Avinash	Updated 10 days ago by kartikprabhu20	2 5	New pull request	
development_Anitha	Updated 10 days ago by kartikprabhu20	2 5	New pull request	
development_1	Updated 10 days ago by kartikprabhu20	2 5	New pull request	
View more active branches >				

DBSE-teaching / isee2019-ARTexceptionals Private

Watch 2

Star 0

Fork 0

Code

Issues 0

Pull requests 1

Projects 0

Wiki

Insights

Settings

Filters

is:pr is:open

Labels 8

Milestones 0

New pull request

☐ 1 Open ☒ 0 Closed

Author

Labels

Projects

Milestones

Reviews

Assignee

Sort

☐ #Added pin activity

#1 opened 7 days ago by sirivellamadhugopal

1

ProTip! Click a checkbox on the left to edit multiple issues at once.

Questionnaire

❖ Please answer In Yes/No:

- ☐ Are libraries any allowed?
- ☐ Can we use barcode scanning used as input?
- ☐ Is Enabling of sharing the expenses with others required?
- ☐ App must support the currency change?
- ☐ Do we need to provide the Ads feature in our App?

❖ Check the following based on the requirement:

- 1) Login Authentication using
 - a) Locally
 - b) Google and Facebook
 - c) Others
- 2) How does the data need to be stored?
 - a) Locally
 - b) Server/firebase
 - c) Others

Questionnaire I

3) What is the duration of history needs to be saved?

- a) One day
- b) One week
- c) One month or more

4) How the statistics of the expenses must be displayed?

- a) Pie chart
- b) Bar graph
- c) Designer choice

5) Make the working prototype available as

- a) Downloadable ask file
- b) As a separate release branch in the git repo
- c) other

❖ **Fill the answers:**

- 1) Please specify the minimum version of android that our app must support.
- 2) Do we need to handle tab design.

Thank You