

# **Expense Management App**

Slot C || Small Change

Guided By

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## **Group Members:**

- |                          |           |
|--------------------------|-----------|
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**Section and slot:** C-CSE 4002-TH-ONL00169

The project can be found in the link  
given below on Github for better  
visualization of the App

[https://github.com/Abhayindia/Expense-  
Management-App](https://github.com/Abhayindia/Expense-Management-App)

Vedio Depicting the Functionalities of  
the project

[https://user-  
images.githubusercontent.com/53985942  
/146969817-907db77b-29d6-456c-8e63-  
de913c97809a.mp4](https://user-images.githubusercontent.com/53985942/146969817-907db77b-29d6-456c-8e63-de913c97809a.mp4)

## **Abstract**

In today's busy and expensive life we are in a great rush to make money. But at the end of the month we broke off. As we are unknowingly spending money on little and unwanted things. So, we have come over with the idea to track our earnings. Small Change aims to help everyone who are planning to know their expenses and save from it. Small Change is an app which users can execute in their mobile phones and update their daily expenses so that they are well known to their expenses. Here user can define their own categories for expense type like food, clothing, rent and bills where they have to enter the money that has been spent and also can add some information in additional information to specify the expense. User can also define expense categories. User will be able to see pie chart of expense. Although this app is focused on new job holders, interns and teenagers, everyone who wants to track their expense can use this app.

## **Introduction**

Small Change is designed to keep a track of Income-Expense of a person on a day-to-day basis. This System divides the Income based on daily expenses. If you exceed day's expense, system will cut it from your income and will provide new daily expense allowed amount. If that day's expense is less, system will add it in savings. Daily expense tracking System will generate report at the end of month to show Income-Expense Curve. It will let you add the savings amount, which you had saved for some particular Festivals or days like Birthday or Anniversary. Daily Expense Tracker System is a system which will keep a track of Income-Expense of a person on a day to day basics. Small Change aims to help everyone who are planning to know their expenses and save from it. Small Change is an android app which users can execute in their mobile phones and update their daily expenses so that they are well known to their expenses. Here user can define their own categories for expense type like food, clothing, rent and bills where they have to enter the money that has been spent and also can add some information in additional information to specify the expense. User can also define expense categories. User will be able to see pie chart of expense.

## **Built With**

- Java
- XML
- Firebase
- Android Studio

## **Functionalities**

- SignUp
- SignIn
- Profile Picture Update
- Reset Password
- Income Update with note
- Outcome Update with note
- Dashboard
- Transaction History
- Expenditure Pie Graph
- Profile Picture saved in Firebase Database
- Transaction History saved in Firebase Database
- Change Password

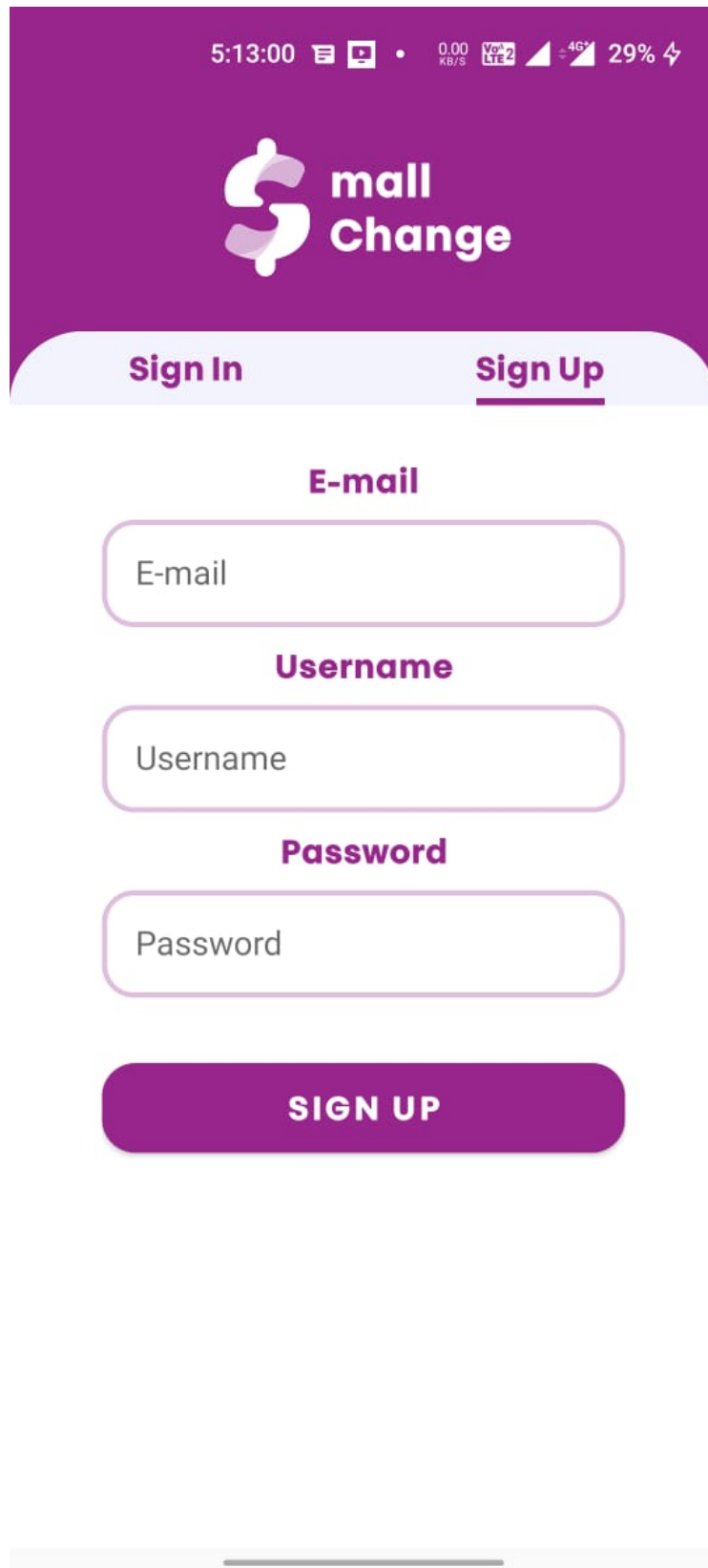
## **Roles and Responsibilities**

- |                         |                |
|-------------------------|----------------|
| ● Abhay Chaudhary       | Team Lead      |
| ● Aryan Subrahmonyaru   | Frontend Coder |
| ● Parakram Kumar        | Backend Coder  |
| ● Joshi Ritvij Ravindra | Frontend Coder |

## Screenshot



Fig 1: Splash Screen



The image shows a mobile application interface for 'mail Change'. At the top, there is a status bar with the time 5:13:00, battery level at 29%, and network status. Below the status bar is a purple header with the 'mail Change' logo, which consists of a stylized white 'S' and the text 'mail Change'. Under the header, there are two buttons: 'Sign In' and 'Sign Up'. The 'Sign Up' button is highlighted with a white underline. Below these buttons are three input fields: 'E-mail', 'Username', and 'Password'. Each field is a rounded rectangle with a light purple border and a light purple background. Below the input fields is a large purple button with the text 'SIGN UP' in white capital letters. At the bottom of the screen, there is a thin horizontal line.

5:13:00 0.00 KB/S VoLTE 4G+ 29%

**mail Change**

**Sign In** **Sign Up**

**E-mail**

E-mail

**Username**

Username


**Password**

Password

**SIGN UP**

Fig 2 : SignUp Screen

5:12:55 0.00 KB/S VoLTE 4G 29%

 **mall  
Change**

**Sign In** **Sign Up**

**E-mail**

E-mail

**Password**

Password

**SIGN IN**

**Forgot Password ?**

Fig 3 : SignIn Screen

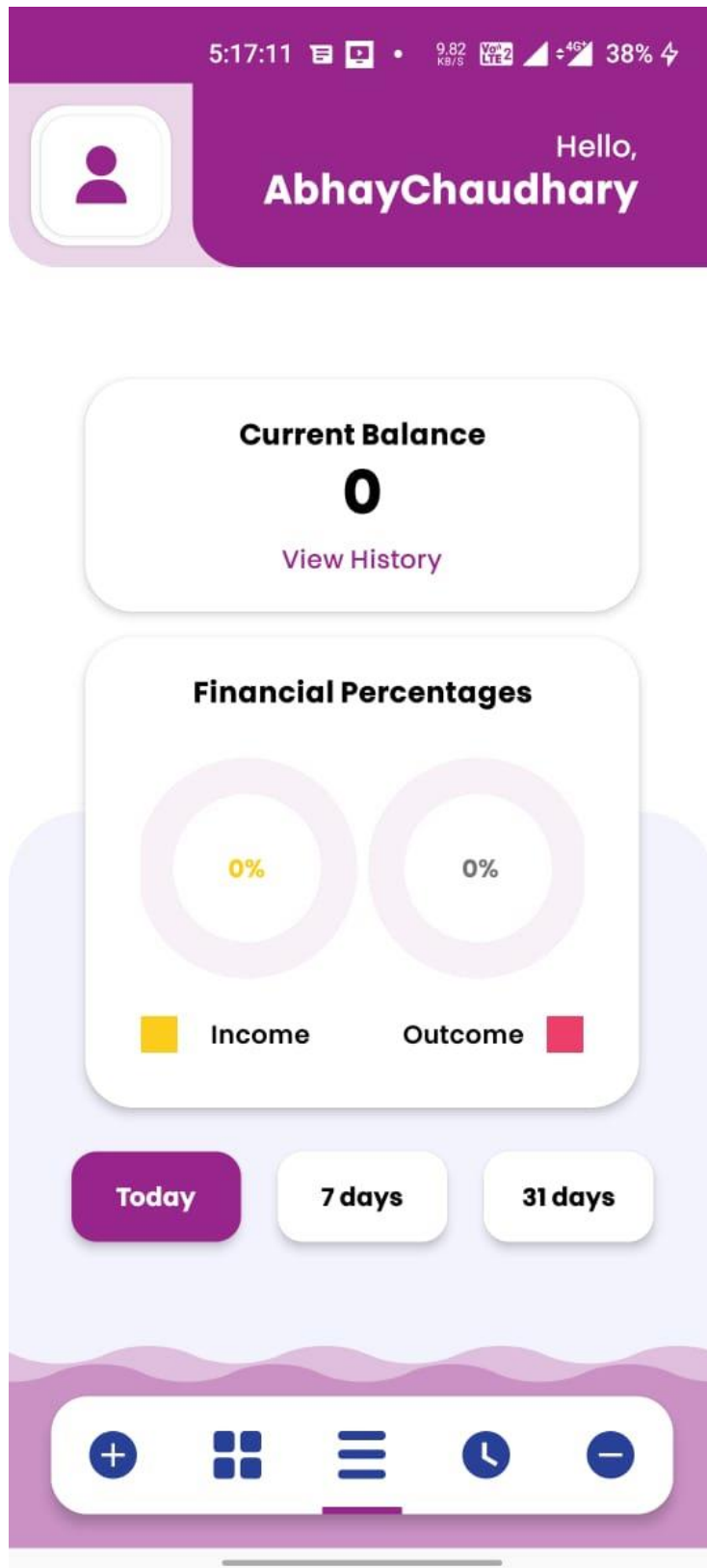


Fig 4 : Initial Dashboard upon SignUp



5:21:45 0.00 KB/S VoLTE 4G+ 47%

# Income

Show All

**Amount**

Transaction Amount

**Name**

Transaction Name

(Max 16 characters)

**Note**

Transaction Note

(Max 30 characters)

**Save**

+

+ -

Fig 5 : Income/Outcome Fields

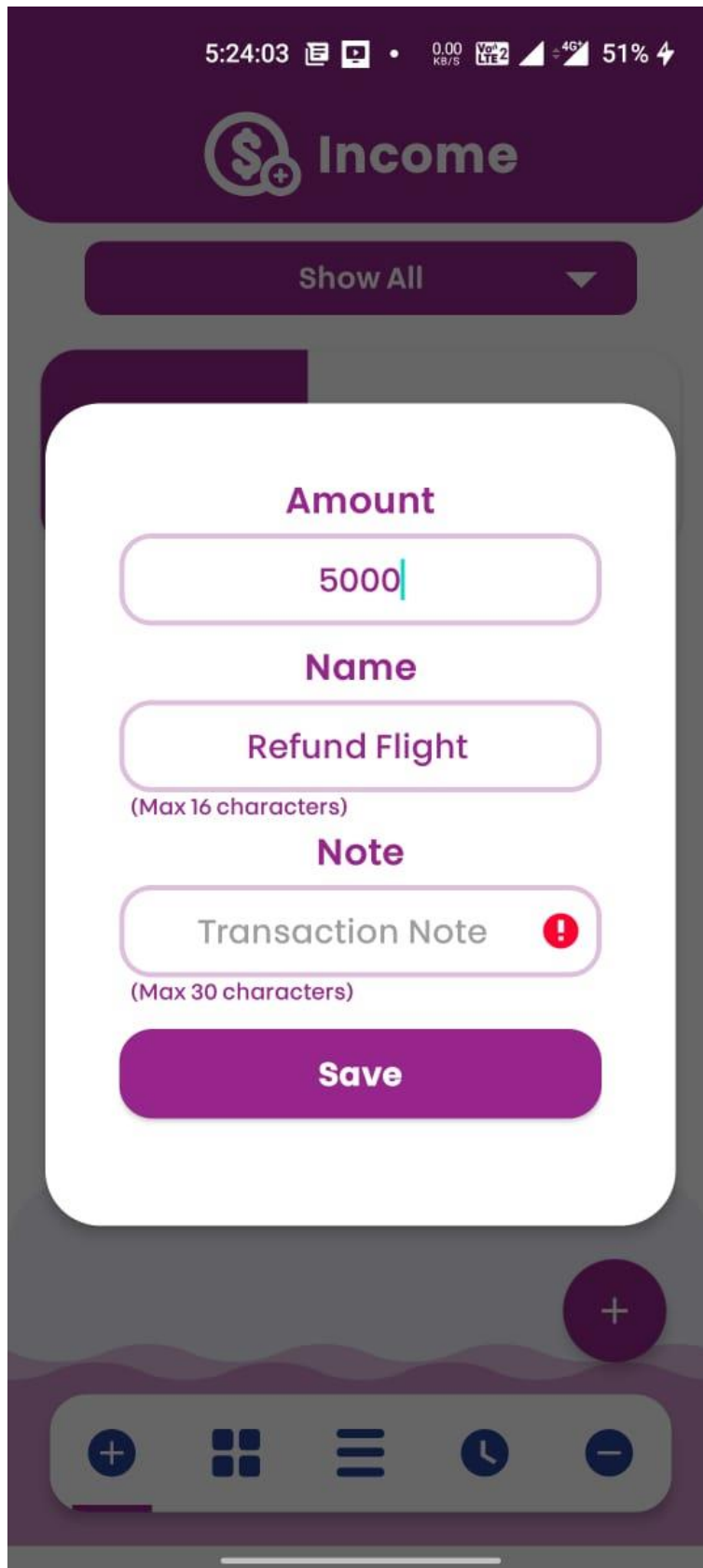


Fig 6 : Income/Outcome Properties

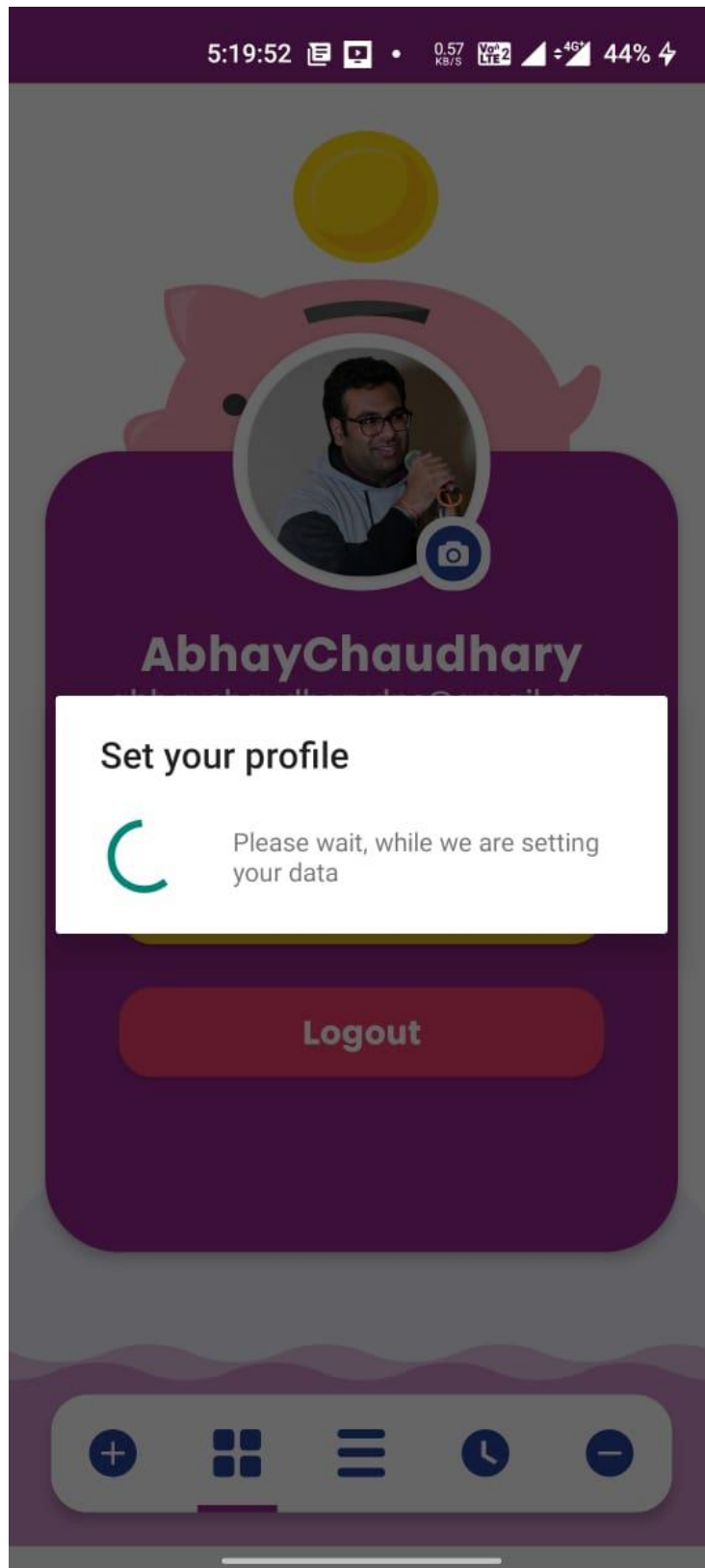


Fig 7 : Profile Pic SetUp

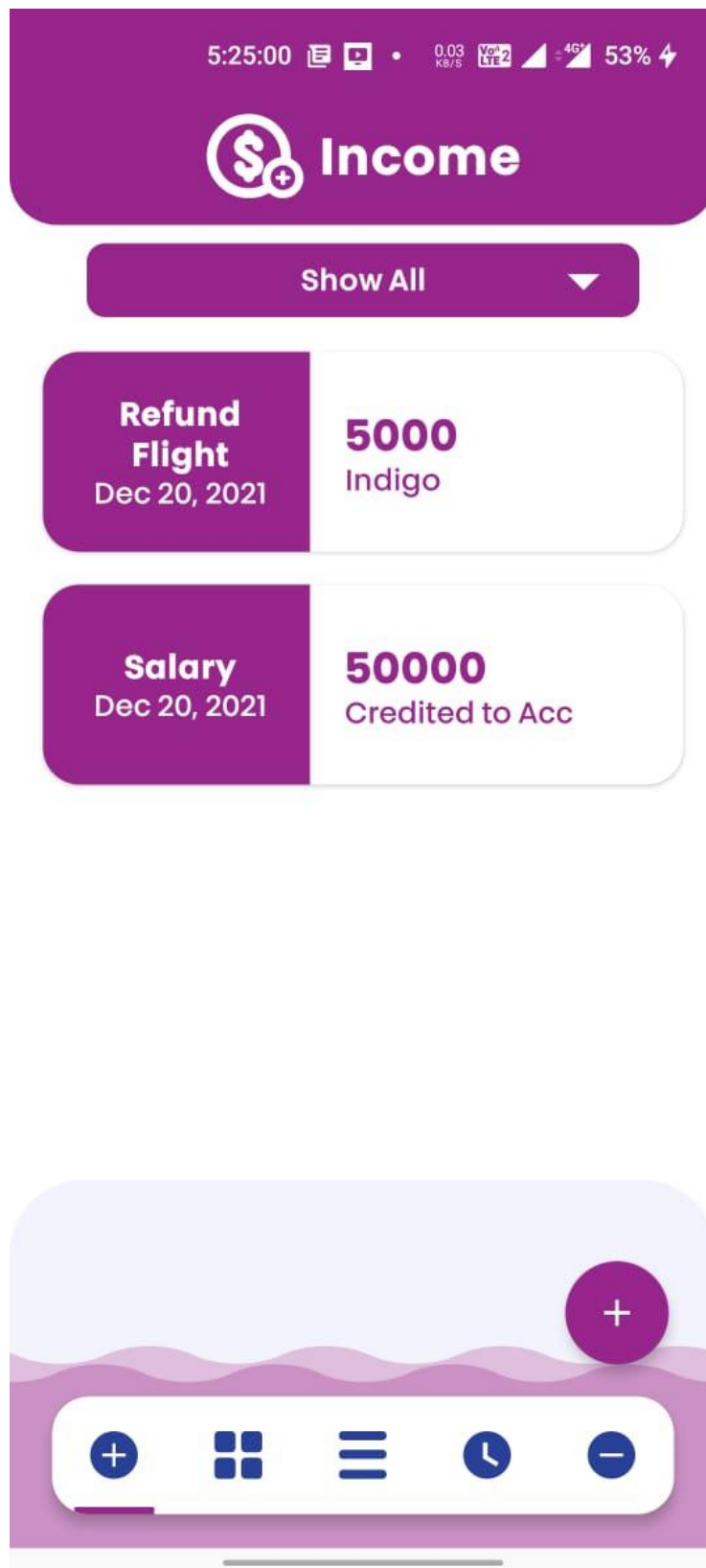


Fig 8 : Income Summary



Fig 9 : Outcome Summary

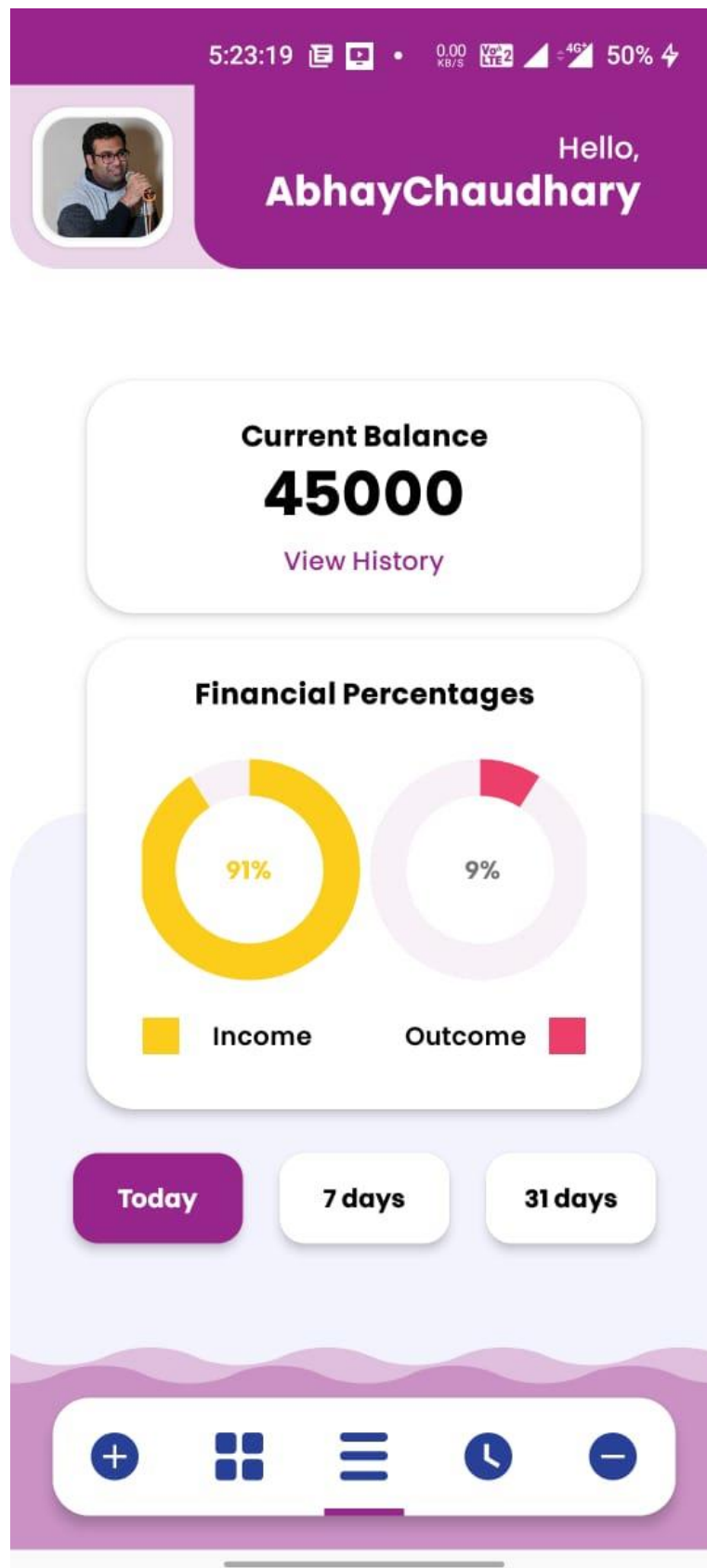


Fig 10 : Dashboard

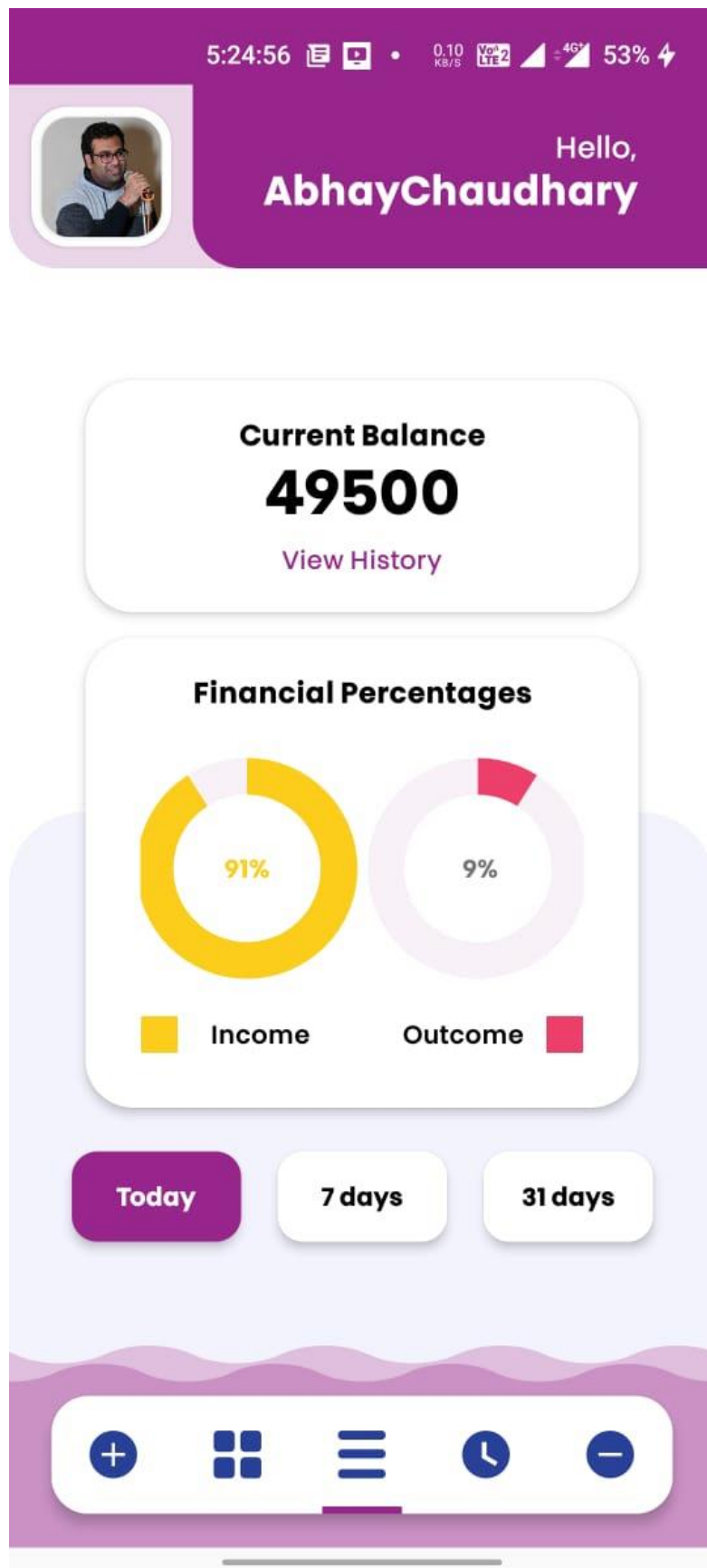


Fig 11 : Dashboard 2



Fig 12 : Transaction History





Fig 13 : Transaction History 2

Reset your password for Small Change

Inbox x



noreply@small-change-4afeb.firebaseio.com

to me

5:14 PM (41 minutes ago)



Hello,

Follow this link to reset your Small Change password for your [abhay](#) [@gmail.com](#) account.

[https://small-change-4afeb.firebaseio.com/\\_/auth/action?mode=resetPassword&oobCode=HdIRaVfN7ULVKzFFSzm0HelnLs4RKcb92miXb8G05eEAAAF916h\\_UQ&apiKey=AlzaSyDsXSZDQPKk\\_sasDwRIEydSveQxuLkmo7A&lang=en](https://small-change-4afeb.firebaseio.com/_/auth/action?mode=resetPassword&oobCode=HdIRaVfN7ULVKzFFSzm0HelnLs4RKcb92miXb8G05eEAAAF916h_UQ&apiKey=AlzaSyDsXSZDQPKk_sasDwRIEydSveQxuLkmo7A&lang=en)

If you didn't ask to reset your password, you can ignore this email.

Thanks,

Your Small Change team

Reply

Forward

Fig 14 : Password Reset