SmartMoney Project Summary

I. Project Introduction

Project name	SmartMoney
Project description	The Smart Money project is a personal finance management application that helps users track spending, manage budgets, and save money.
Client	Scientific Research
Team size	3
Programing language	Typescript / Java
Framework	**Front-end**: React Native, Redux-persist , Redux toolkit , Tailwind Css, Jest, Lodash , Babel **Back-end**: Nodejs, ExpressJs
Database	Mongodb
Methodology	Agile Scrum
Project start date	08/2023
Project end date	12/2023

II. Responsibilities (fullstack moblie app)
Development
- *Front-end :*
  - o Estimate, plan and develop applications function
  - o Create a project, choose the technology to use and install the necessary libraries into the project such as: React Navtive ,redux-toolkit,Tailwind Css , Lodash, lottie.....
  - o Program modules and system functions
  - o Creating source code optimization components for team members to use, Optimized source code components for reuse by the team
  - o Contribute ideas to develop each phase of the project
  - o Review code and solution for front-end team
  - o Bug Fixing (UI UX, data flow , change function)
- *Back-end*
  - o Create a project ,install necessary libraries , framwork into project sush as : ExpressJs, bcrypt, jsonwebtoken, cookie, dotenv…
  - o Database design and choose Model-View-Controller (MVC) architecture as the software architecture
  - o Create models and design controllers for those models including: user, limit, category, transaction, report
  - o Connect and set up the cloud environment for the database

III. System Description

⊞ System Description of Smart Money Project

- The project consists of the following modules:

    1. *User*: A user management module that allows users to log in, register, and manage their accounts.

    2. *Limitation*: A limit management module that allows users to set spending limits for each category.

    3. *Category*: A category management module that allows users to create, edit, and delete spending categories.

    4. *Transaction*: A transaction management module that allows users to enter spending transactions.

    5. *Report*: A report module that provides spending reports for users.

- Module Details
    - The User module allows users to perform the following tasks:

        Log in: Users enter their email address and password to log in to the system.

        Register: Users enter their personal information to register for a new account.

        Manage account: Users can change their personal information, password, or delete their account.

    - The Limitation module allows users to perform the following tasks

        Create new limit: Users enter the category name and spending limit to create a new limit.

        Edit limit: Users can edit the category name or spending limit of an existing limit.

        Delete limit: Users can delete an existing limit.

- The Category module allows users to perform the following tasks:

    Create new category: Users enter the category name to create a new category.

Edit category: Users can edit the category name of an existing category.

Delete category: Users can delete an existing category.

- The Transaction module allows users to perform the following tasks:

  Enter transaction: Users enter transaction information including date, category, amount, and note.

  Delete transaction: Users can delete an existing transaction.

- The Report module provides spending reports for users, including:

  Monthly spending report: A detailed spending report for each month.

  Yearly spending report: A summary spending report for each year.

  Technology

🞣 Future

❖ The project can be extended with the following features:

❖ Adding new spending categories.

❖ Adding spending data analysis functions.

❖ Adding functions to connect to banks to automatically update spending data.

❖ Conclusion

⇨ *The Smart Money project is a useful personal finance management application that helps users track spending, manage budgets, and save money*.

IV. Project Overview Interface
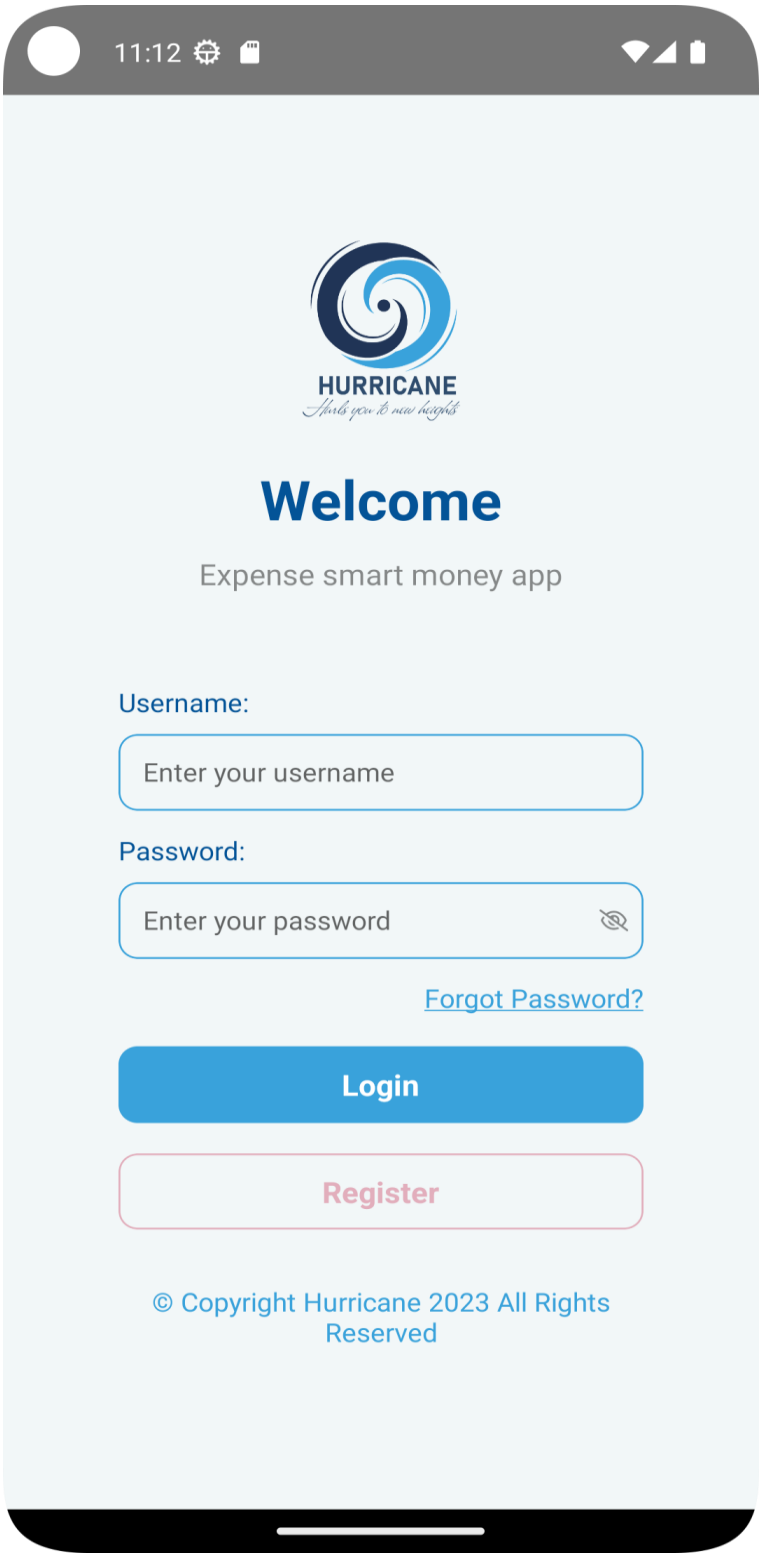
Register Account

Create new account

Username:

Enter your username

Fullname:

Enter your fullname

Email:

Enter your email

Password:

Enter your password

Confirm Password:

Enter your confirm password

Back to Login

Register

Forgot Password

Please enter your username details to get password.

Username:

Enter your username

New Password:

Enter your password

Confirm Password:

Enter your confirm password

Back to Login

Confirm

Home

Expense | Limit spending

Date | < | 18.12.2023, Mon | >

Note | Enter note

Expense | 0.0 | $

Food
Bag: -5,200
limited: 20,000

Shopping
Bag: 27,500
limited: 50,000

Category

Food	Shopping	Gift
Homeware	Medical	Education
Exchange	Invest	Phone

Submit

Home | Limitation | Calender | Report | Personal

Home

Expense | **Limit spending**

Plan amount you spend every 1 month

Category Limitation   Dec,2023

Food: 20000

Shopping: 50000

Gift: 30000

Homeware: 40000

Medical: 90000

Education: 10000

Exchange: 0

Invest: 0

Phone: 0

Total: 240,000 $

Update

Home | Limitation | Calender | Report | Personal

Limitation

👁
18.12.2023

Bag: 182,600 $

Spent: 57,400 $

Total: 240,000 $

Food	Shopping
Bag: -5,200	**Bag: 27,500**
limited: 20,000	limited: 50,000

Gift	Homeware
Bag: 27,000	**Bag: 38,800**
limited: 30,000	limited: 40,000

Medical	Education
Bag: 86,500	**Bag: 8,000**
limited: 90,000	limited: 10,000

Exchange	Invest
Bag: 0	**Bag: 0**
limited: 0	limited: 0

Phone

Bag: 0

Home   Limitation   Calender   Report   Personal
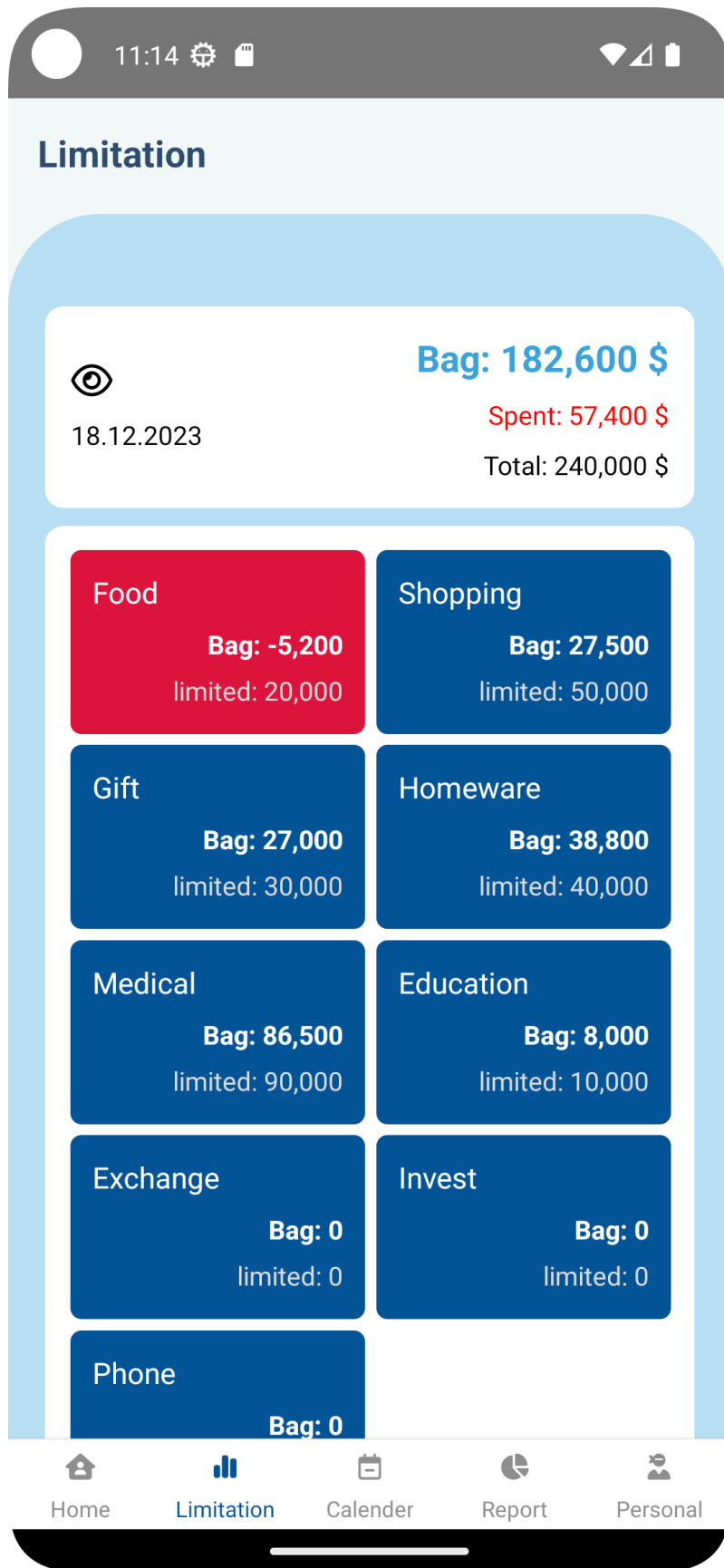
Shopping ⋮

Spent: 22,500

Limited: 50,000

Plan amount   Total: 240,000

‹   Dec,2023 (01 Dec - 31 Dec)   ›

mua quan ao   -20,000 $
04/12/2023   shopping ›

disher   -500 $
08/12/2023   shopping ›

meat   -2,000 $
11/12/2023   shopping ›

Calendar

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4 21,000	5 3,400	6 500	7 500	8 500	9 2,500
10	11 4,000	12	13 2,000	14 3,000	15	16
17	18 20,000	19	20	21	22	23
24	25	26	27	28	29	30
31						

Limited	Expense	Bag
240,000 $	57,400 $	182,600 $

04/12/2023	-21,000 $
🍴 Food (bun ca)	1,000 $ >
🛒 Shopping (mua quan ao)	20,000 $ >
05/12/2023	-3,400 $
🎁 Gift (an keo)	1,000 $ >
🍴 Food (an bun)	1,200 $ >

Home	Limitation	Calender	Report	Personal

12
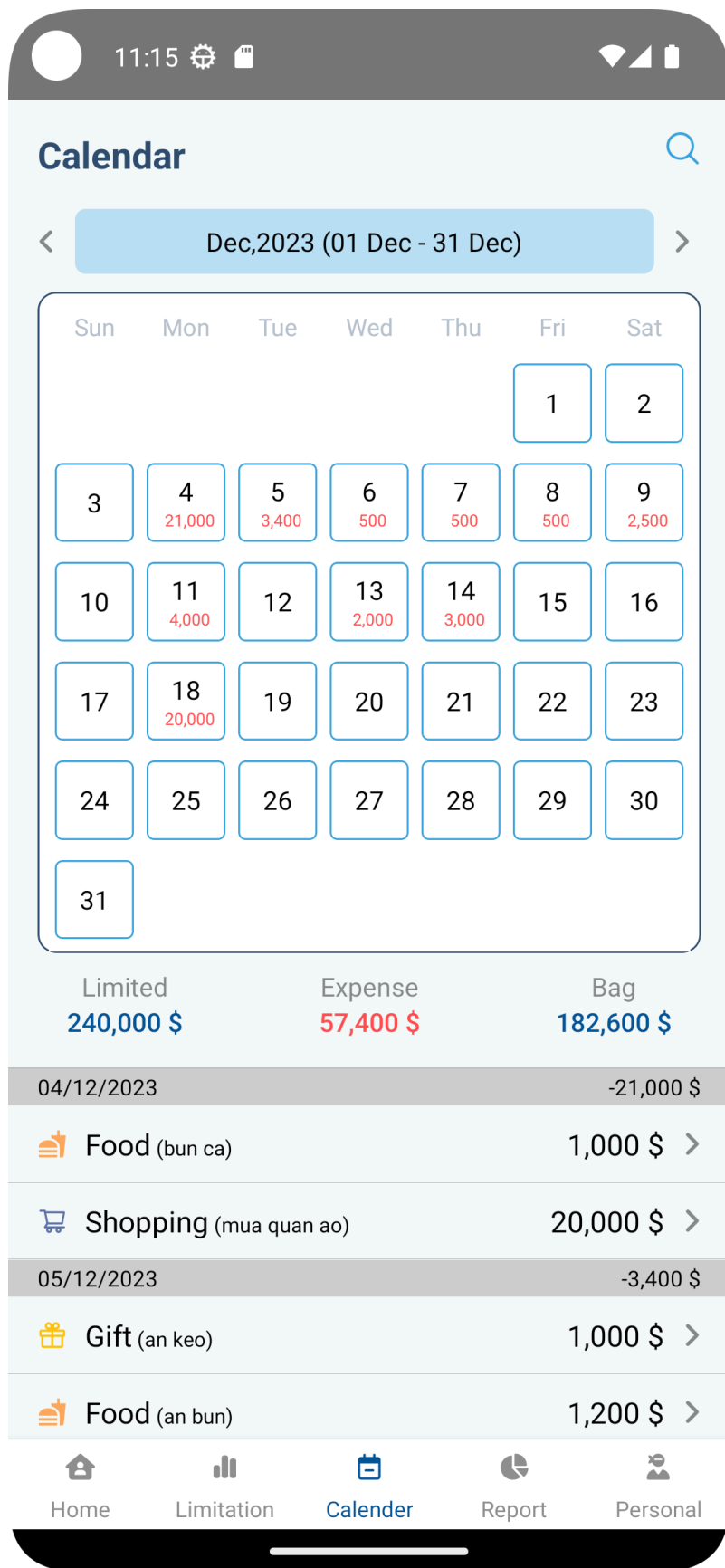
< **Calender Edit**

Date < [4.12.2023, Mon] >

Note [bun ca]

Expense [1000] $

Category

🍔 Food	🛒 Shopping	🎁 Gift
🏠 Homeware	✳️ Medical	📖 Education
🍷 Exchange	📈 Invest	📱 Phone

Submit **Delete**

Report

Monthly Report | Annual Report

‹ Dec,2023 (01 Dec - 31 Dec) ›

| Expense: | -57,400 $ | Limited: | 240,000 $ |

| Expense and Limited: | 182,600$ |

Expense

- 44% Food
- 39% Shopping
- 5% Gift
- 2% Homeware
- 6% Medical
- 3% Education

🍱 Food	25,200 $
🛒 Shopping	22,500 $
🎁 Gift	3,000 $
🏠 Homeware	1,200 $
⚕ Medical	3,500 $

Home | Limitation | Calender | Report | Personal

Report

Monthly Report	**Annual Report**

< **2023, (01 jan - 31 Dec)** >

Expense

- 55% Food
- 33% Shopping
- 2% Gift
- 7% Homeware
- 2% Medical
- 1% Education
- 1% Phone

Total	191,225 $

Food	104,755 $
Shopping	63,770 $
Phone	1,000 $
Homeware	13,200 $
Gift	3,000 $

Home	Limitation	Calender	Report	Personal

Personal

Infomation

Hai Trieu

trieuql@gmail.com

Code: PGG_1001

Manager

All time report	Category Report	Year report

Application

⚙ Settings   ›

✨ Setting Theme   ›

◉ Change Password   ›

🔗 About us   ›

Account

🗑 Delete account   ›

Log out

🏠 Home	ⅈ Limitation	📅 Calender	◔ Report	👤 Personal

Theme Settings

Light ⊘

Dark

System

< **Year Report**

< 2023, (01 jan - 31 Dec) >

Total	**113.2004 $**
Average	**13.2004 $**
January	**2000 $**
February	**4500 $**
March	**2800 $**
April	**8000 $**
May	**9900 $**