

Product position statement

- Simple and effective interface
- Receipt
- Advice
- No Ads

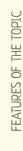






- Students
- Officer









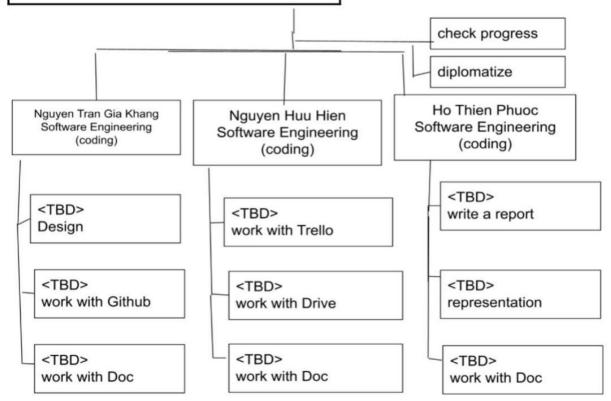
Team structure



Responsibility



Vo Dinh Phuc Project Manager (coding)







Project manager

Allocates the resources, unifies the members' ideas and indicates the best way to develop the project. Supervisor teammates and try to keep them focus on the main goal



Tester

Is responsible for executing the project and find out bugs and fix errors. They evaluate the test execution and take notes these errors and write a report about that





Establishes the overall structure. Furthermore, the developer will be the main coder of the project.



Designer

Will establish the overall model of website interface or system such as database, classes,... They review and base on customer feedback to update our website interface and organize the structure.





Is responsible for transmitting the document requirements, they need to communicate with teammates about these requirements



Software requirement



Use case model

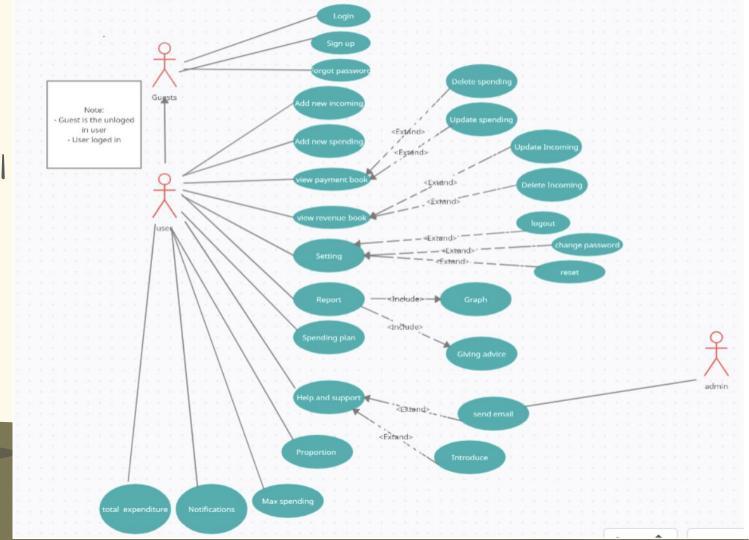


Non-functional requirement





Use case model



Non-functional requirement

- Private
- Productivity
- Data integrity
- •Reliability
- Management skill
- •Maintainability

- Interactive ability
- Availability
- Available service
- •Usability
- Resilience





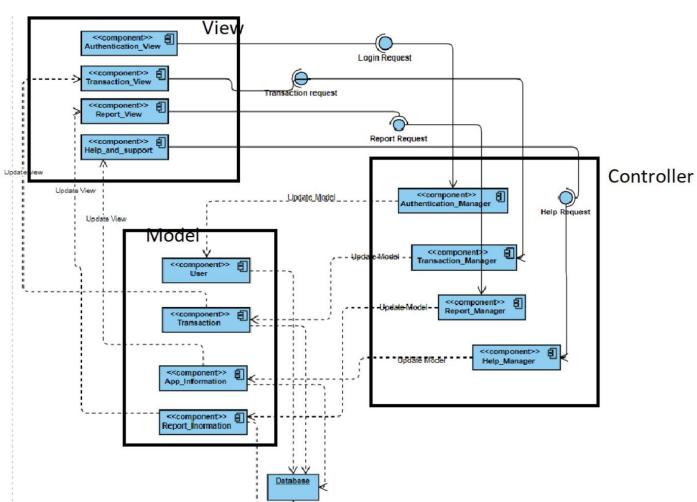
IV

Architecture and Design



MVC model



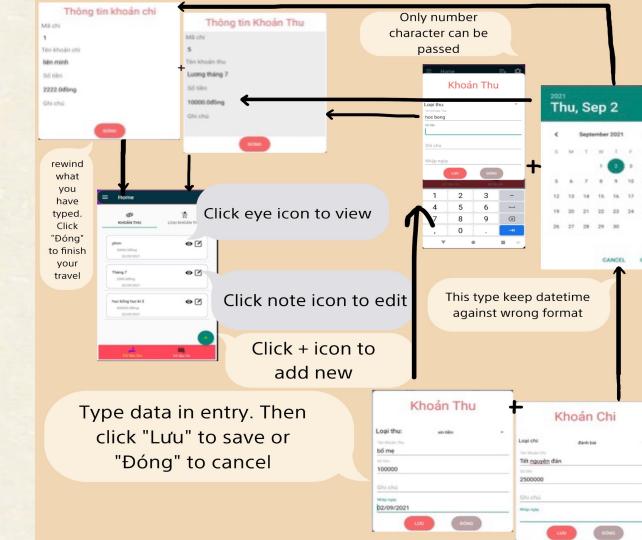


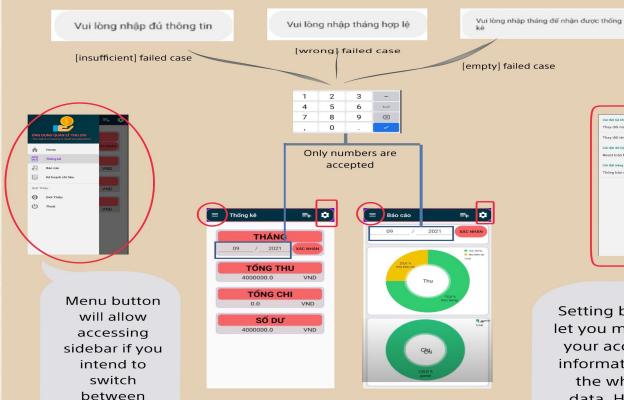
Technology:

- Program Language: Java, xml
- ☐ IDE: Android studio
- Database: Manage database by using sqlLite



Add and View screen





statistic,

report or plan

tab

Report and statistic screen

> Setting button let you manage your account information or the whole data. Home button which is next to setting button, let you access adddata screen

Thay đối mặt khẩu Thay đối tên đặng nhập

Reset toàn bộ dữ liệu

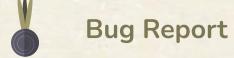
Thông báo định ki hãng ngày

V Software testing









Test result

Test environment: android ... Hardware requirement:

- - You need to prepare a smart phone with free size screen.
- Software in the Test Environment
 - The following base software elements are required in the test environment for this *Test* Plan.

Software Name	Purpose	Version	Type and Other Notes
Android OS	Your phone needs to run on Android operating system to be able to run the application	Android version 9.0 and above	Operating system
Genymotion	If you don't have an android phone, you can use genymotion to create a virtual machine and run it on it.	All version	Application





	Data	Incoming/ Outcoming information (Title, Date, Note, Money,)		
Add	Function	Add new incoming/outcoming by entering the data corresponding to each category Add must have functions: +Handle failed cases		

	Data	Incoming/ Outcoming information (Title, Date, Note, Money,)		
View	Function	Comprehensive view what the system records with larger font size for middle age people		

Report	Data	Descriptive statistic(Month of year, Sum of incoming/outcoming, Balance)
	Function	Pie chart by month +Handle failed cases Categorical data

tic	Data	Descriptive statistic(Month of year, Sum of incoming/outcoming, Balance)
Statisti	Function	Sort by month Sum of revenue Sum of spending Check balance

Test cases:

UC01 UI01 Add new incoming with correct datetime Authenticated with existing account Choose menu button at top-left corner in transaction book. Choose "Khoản thu" tạb in sidebar Choose + button at bottom-right corner. Enter "11/09/2021" Authenticated with existing account Add new spending with correct datetime Choose menu button at top-left corner in transaction book. Choose "Khoản chi" tạb in sidebar Choose + button at bottom-right corner.

UI02 Enter "11/09/2021" Authenticated with existing account **UI03** Add new incoming with wrong datetime

Choose menu button at top-left corner in transaction book. Choose "Khoản thu" tab in sidebar Choose + button at bottom-right corner.

Enter "32/32/1921"

Authenticated with existing account Add new spending with wrong datetime

UI04 Choose menu button at top-left corner in transaction book. Choose "Khoản chi" tạb in sidebar Choose + button at bottom-right corner. Enter "32/32//1921"

			UC02
UI01	View the revenue	1. 2. 3.	Authenticated with existing account Click View revenue book option. Chooses the displayed date, default is the current date.
UI02	View the expenditure	1. 2. 3.	Authenticated with existing account Click View payment book option. Chooses the displayed date, default is the current date.
			UC03

Added incoming/spending

Authenticated

Choose menu button at top-left corner in transaction book.

Choose Add incoming/spending tab but leave blank in entry Choose menu button at top-left corner in transaction book.

Choose "Báo cáo" tab in sidebar to view pie chart.

Choose "Báo cáo" tab in sidebar to view pie chart.

		5. Chooses the disptayed date, default is the current date.
		UC03
11101	Chart with data	1 Authenticated

UI02

Chart with empty data



		UC04 .	ERCISE
UI01	Statistic all months	Authenticated Enter transaction book	ACTICAL EX
UI02	Statistic a month	Authenticated Enter transaction book Choose a month which you want to get statistical analysis	PR/

Repor

Dug	Defect ID	Defect title	Defect description	Function ID	Severity	Reported by	Reported
port	B01	Wrong initial report when choosing report option	The reported data should be the current month's data when I select the report option but it uses all the data. "1. Login 2. Choose Report option, in navigation" Expected result: View graph with data of current month and error message should be displayed. Actual result: Display graph with all dataset in app.	UC04	Medium	Võ Đình Phúc	25/08/2021
	B02	Wrong initial statistic when opening app	The statistical data should be the current month's data when I open app but it uses all the data. "1. Login 2. Home screen is statistics" Expected result: "Statistic with data of current month" Actual result: "Statistic with data of all months"	UC04	Medium	Võ Đình Phúc	26/08/2021
	B03	Statistics with data is very big	Data is represented as an abbreviation when the data overflows. "1. Login 2. Home screen is statistics 3. Enter month ""5"" (assume that may has biggest data) 4. Click button ""Xác nhận""" Expected: Data should be represented in abbreviated form (e.g. tr for million and T for billion).	UC04	Medium	Võ Đình Phúc	27/08/2021

Bug Report

Defect ID	Defect title	Defect description	Functi on ID	Severity	Reported by	Reported
B04	Add income with invalid money	1. Enter Name: "abcd " 2.Enter money: "abcd" 3.Enter note: "abc12@" 4.Enter date: Click calendar choose date 5. Click "Lưu" button	UC01	Low	Nguyễn Hữu Hiển	26/08/2021
B05	Add spend with invalid money	1. Enter Name: "abcd " 2.Enter money: "abcd" 3.Enter note: "abc12@" 4.Enter date: Click calendar choose date 5. Click "Luu" button	UC01	Low	Nguyễn Hữu Hiển	26/08/2021
B06	Add incoming /outcoming with empty data which has unexpected behavior	When user leave blank in entry, there is nothing happens.	UC01	Low	Nguyen Tran Gia Khang	210902
B07	Add incoming /outcoming with wrong data format which has unexpected behavior	When user type negative number or any characters except numbers in entry, the application let it pass.	UC01	Low	Nguyen Tran Gia Khang	210902

Test result

Number of function	Name	Number of cases		Number of failed cases
1	Report	5	4	1
2	Statistic	6	4	2
3	View	4	4	0
4	Add	4	2	2





VI DEMO

FEATURES OF THE TOPIC

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