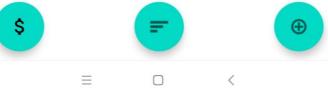
Save it!

Mobile Application Development with Android

Zilin.Song 21.8.2021

凌晨4:21	기계 중, (23)
Save It!	
Your Balanc	e 2467.34
-5.2	09.08.2021
	coffee
-12.99	08.08.2021
	02
-1.5	07.08.2021
	CIP-Cola
+25	04.08.2021
	Lotto
-10.99	01.08.2021
	burgerking
-10.99	01.08.2021
	Mcfit
-15.99	15.07.2021
	KFC
+2500	07.07.2021
	from parents
C C	



Outlines

- Motivation and introduction
- App Structure
 - Frontend Structure
 - Service
- Existing Problems
- Live-Demo
- Further plans

Motivation and introduction

WHY YOU NEED?

- There are already many accounting applications on the market, but they are full of ads or not free.
- Our app can better protect private data.
- Our app is concise and clear without fancy but impractical functions.

WHAT CAN WE DO?

- Record every income and cost.
- Send monthly and weekly reminders.
- Send overspending warning.
- Visually show your financial situation through charts and figures.

App Structure

- Supports Android 8.0+(SDK Version 26).
- Project contains only one Module.
- Divider into 3 packages
 - Activity
 - Help class
 - Alarm Manager
- Permissions: Camera

Frontend Structure and Service

5 Activities

- Main Activity: show the all Income and Cost.
- Money Activity : record.
- Big Photo Activity : show big photo.
- Graph Activity: show financial situation through chart.
- Statistical Activity: show financial situation through figure.

1 Fragment

- Date pick Fragment : help users pick a date.
- 1 Service
 - NotificationService: enable the app to send notifications when it is closed

Existing Problems

- Chart generation time is too long
 - In Chart Activity, the time to generate the chart is very long, usually cost 20 seconds, and it takes nearly 20 seconds to switch between the this-month chart to the this-year chart.

 This is very inefficient, but I can't find a way to optimize this problem.

Live-Demo

Question Time