

Save it!

Mobile Application Development with Android

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Save It! 🔔

Your Balance	2467.34
-5.2	09.08.2021 coffee
-12.99	08.08.2021 O2
-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

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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