Personalized Finance App

Product review:

Description: Our product is an Android application that can be used to record customers’ incomes and spendings, generate monthly charts and analyze consumption patterns.

Competitors:

Mint:

* Bring together all accounts and bills, manage finance from one dashboard
* Automatically updates and categorizes your information.
* Connect to many financial institutions, see where your money goes clearly.
* Make recommendations to save based on your lifestyle and goals.

Daodao Bookkeeping:

It’s a personal finance app specially designed for customers who have an idol.

Features:

* Choose income/spending, category (food, transport, entertainment…) type in amount and it will generate a record.
* Be able to check balance and all transactions.
* Generate pie chart to analyze customers’ consumption structure.
* Everytime typing in a transaction wakes a robot up, which can be set to talk like your idol. Once set, it imports all information about your idol. When you record one income/spending, it gives a comment like it’s great to eat healthily or don’t waste money on unnecessary stuff. Sometimes it replies with your idol’s picture or quotations.

User stories:

* I, the customer, want to keep a habit of recording income and spendings without handwriting.
* I, the customer, should be able to see my daily, monthly and yearly finance transactions.
* I, the customer, want to get advice on upgrading consumption pattern.
* I, the customer, should be able to check how much I spent on a specific category, like food, transport, clothing, etc.
* I, the customer, want to check my balance in this app any time.
* I, the customer, want to track on my spendings.
* I, the customer, should be able to make monthly budget and receive notification once it’s going to be overspending.

MVP:

* For customers to record expenses, type in amount and choose categories.
* Get an idea of daily,monthly and yearly expenses include calendar view.
* Make a monthly budget, be notified once it’s over or close to over the budget.
* Make a chart about how much is spent on what category.
* Check how much customer spent on specific location.
* Notify customers at a setting time to keep a habit of recording everyday.
* Be able to login in with google account.

Extra feature: Generate a pdf report about spending, give advice on control spending, get discount information of website and stores they purchase most.

System design

3-tier architecture:



Our major components:



Technologies:

* Use java to develop app on Android Studio
* Firebase