





Money Management done easy with Al

Team members (P2)

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Motivation

Background & motivation

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Competitors

Other existing options for budgeting



X X

X

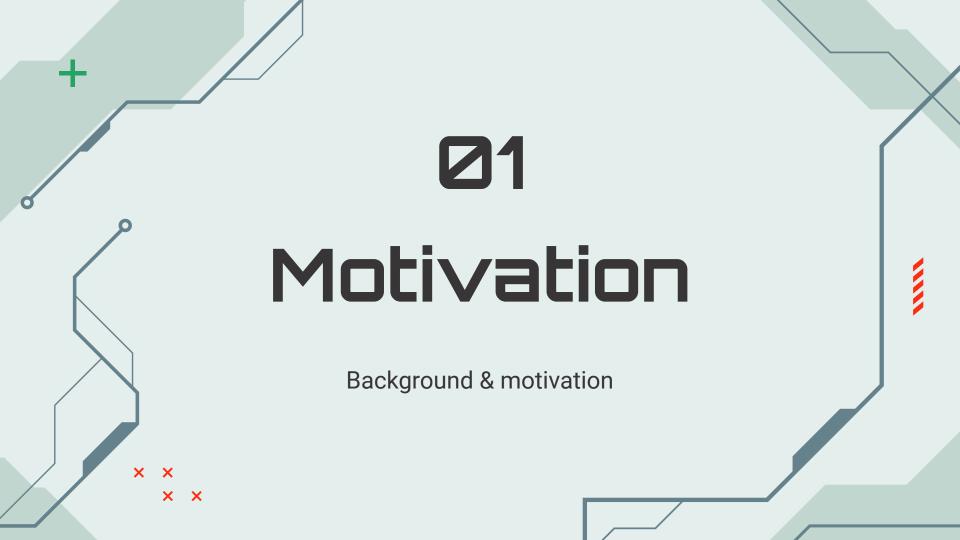
Our Solution

What we do to help with this issue

Ø4

Future work

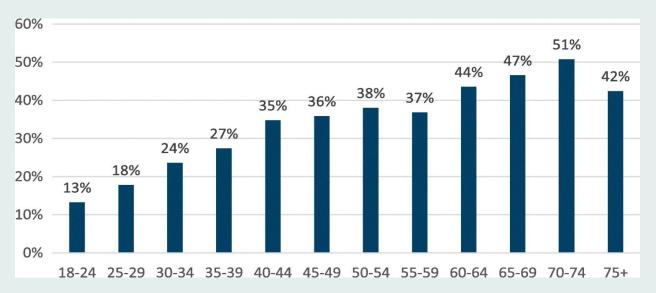
You can describe the topic of the section here



Personal Finance

- What is personal finance?
 - Planning & meeting financial goals
- Why is it important?
 - 1. Financial markets are getting more complex
 - 2. More options of investment available

Data



Financial literacy across age in the USA. This figure shows the percentage of respondents who answered correctly all Big Three questions by age group (year 2015). Source: 2015 US National Financial Capability Study.

figure 4: https://link.springer.com/article/10.1186/s41937-019-0027-5/figures/1

Budgets

- What is the use of a budget?
 - 1. Can spot poor spending habits
 - 2. Act as introduction to personal finance
- Why is it not popular?
 - Manually inputting is too tedious



Features

- Receipt scanner
 - 1. More convenient
 - 2. More interesting
- Reports
 - Basic functions or electronic budget

Technology

We use OCR (optical character recognition) to search for keywords in the receipt

For this project we used **pytesseract**

Sample Input



Sample Output

```
In [95]: # img = Image.open('test 3.jpg')
     img = cv2.imread('test 2.jpg')
     text = pytesseract.image to string(img,lang="chi tra+eng")
     print(text)
     MUJI
     無印良品
     WELCOME TO MUJI
     FESTIVAL WALK STORE
     TEL: (852)3971-3208
     121-07-0000121475
     28/Jan/2023 12:13:56
     PRICE
     20A Double Clip 6 pes
     4550182207859 1 8.0 8.0
     22A Dual Bo ee Wael i Cap
     45473151873 1 7.0" 7.0
     TOTAL 2 15.0
     OCTOPUS 15.0
     CHANGE 00
     "OCTOPUS NO. e994o4ea f=
     =< DEVICE No. 51631A
     o REMAINING VALUE 17.4
     ~~ Last add value by Cash on 2023-01-14
     = : = PA RT ID: KKK KKK
     aay 更 燐 服 務 腿據胥圍服務咚 款 及
     ~ -<- 則 提 供 · 】 莘焉】ト冑(, f】)曷【´筌卜斗:曷厂L喜...[) ∧ ]牽甚」-7「、, 〔...: J<1累巳乙`
     \``~` * 術ttpS //www.muji.com.hk/zh/faq. Le
     MUJI Goods Exchange Service shall be subject
     to the Terms and Conditions displayed on our
     "= in-store notice or official website at
     SS pttps://www.muj i .com.hk/zh/fag. php
     Yet
     SS IAAT AA
     55 2 1 0 / 0 0 same ene e
```

Simple output

except:
print("An exception

Store: MUJI Total: 15.0

in [6]: # First the window L

Marketing

Social media

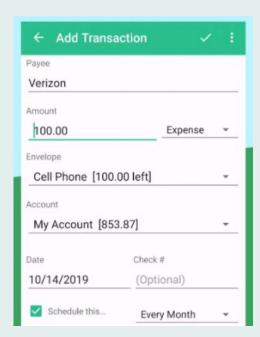
We will make use of social media platforms such as *Instagram*, *Twitter* to market our product





Tradition manual input

- Examples
 - Wallet: Budget Planner Tracker
 - Goodbudget: Budget & Finance
- Problem
 - Tiring to use
 - Hard to form habit



Linking input

- Examples
 - Nerd Wallet
 - Planto
- Problem
 - Long & hard set-up
 - Privacy issues

Receipt scanner

- Example
 - Workday
- Problem
 - B to B sales model (\$\$)
 - Not accessible to general public

Key Differentiators



Ø1

Input

We use a receipt scanner, which is convenient



Simple

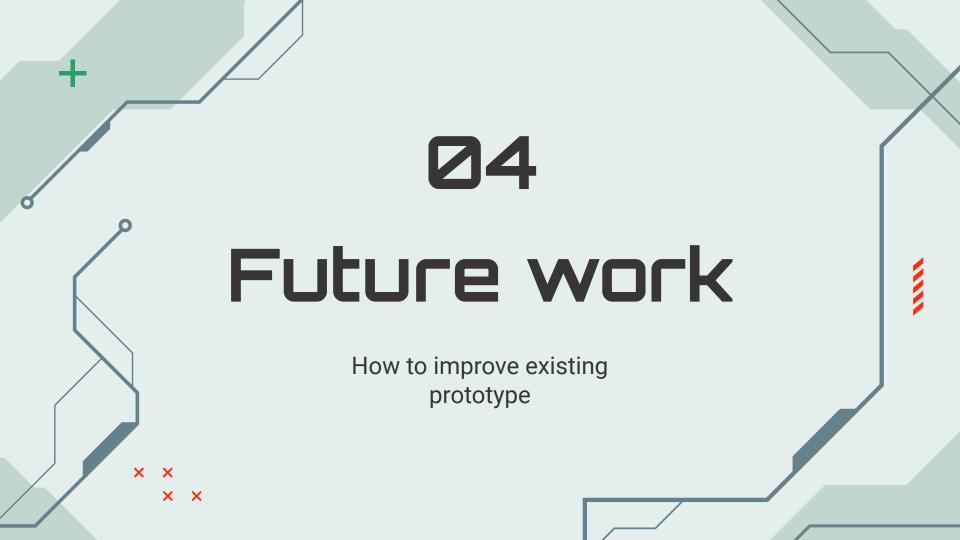
No complex set-up, no privacy issues



B to C

Adopt a free to use sales model where we derive income from ads





App making

Although we said this is a budgeting application, because of the limited time we were not able to develop a actual app



More Al features



Better recognise brand logos



02

Voice

Another input method

Analyse

Utilise AI to analyse & predict





Ø4

Chatbot

Integrate chatbots to give advice

Other features



Receipt saving

The photo taken of the receipt will be saved



Manual & Link

Still provide these options of input



Daily reads

Recommend articles that can improve financial literacy



Unique Ul

Make the UI highly customisable

THANKS