

AI-ASSISTED BUDGET KEEPER

Students: 03 Au Ho Kuen, Terry
17 Chen Kyle
39 Yang Hip Hing, Ann

Project ID : P2

ABSTRACT

Financial literacy is low among young people. So we decided to create a budgeting application which utilises AI, which makes it more convenient and interesting. Hopefully alleviating the problem



MOTIVATION & BACKGROUND

Low financial literacy despite the importance of personal finance

According to US National Financial Capability Study only 13% of people aged 18 to 24 are financially literate

Budgets are great tools for learning financial management

Problem: Manually inputting expenses are too tedious

13%

Age 18-24
qualify as
literate

35%

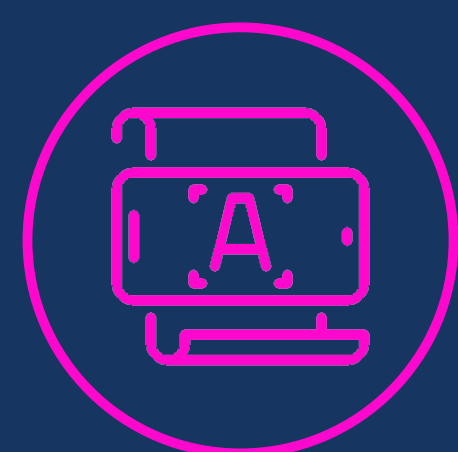
Age 40-44
qualify as
literate

METHODOLOGY



Expense summary:

Let you see how much money you spent for a time period



Functions of our application:

Receipt scanner:

Take a photo and the expense would be automatically added

Technology applied

We make use of optical character recognition (OCR) to recognise keywords on the receipt



RESULTS / APPLICATION

Pytesseract

Is an existing python based OCR software
Applying this our group is able to develop a working receipt scanner

This is used to create a prototype version of our application

For details refer to the QR codes

QR code for github:



<https://github.com/s171025-TerryAU/Budget-Keeper>

QR code for demo:



<https://youtu.be/K190LzSxhF4>

CONCLUSION / DISCUSSION

What we can improve on:

Although we were able to make a prototype, due to the limited amount of time, we were unable to create an actual application that could be run on a phone, which was where we intended it to be used

What we learned:

To start off, we acquired comprehensive knowledge for programming, adapting, and applying AI. Not only so, we also learned how to work effectively as a team with efficient division of labour based on our diverse skillsets

