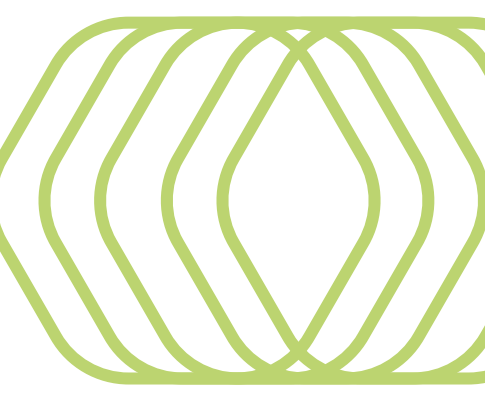


AI-ASSISTED BUDGET KEEPER

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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

Financial literacy is low 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

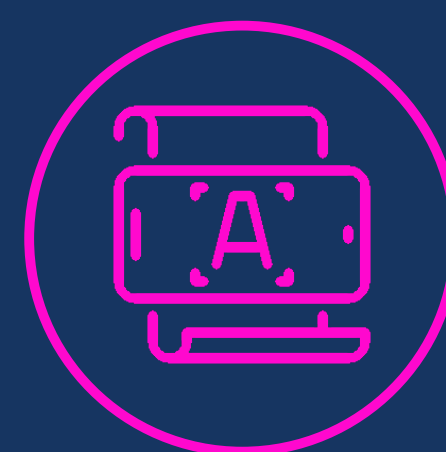
35%
Age 40-44
qualify as
literate

METHODOLOGY



Expense summary:

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



Functions of our application:

Recipt scanner:

Take a photo and the expense would be automatically added

Technology applied

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



RESULTS / APPLICATION

Pytesseract

Is a python based existing 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/yKiqNuqOK1I>

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

