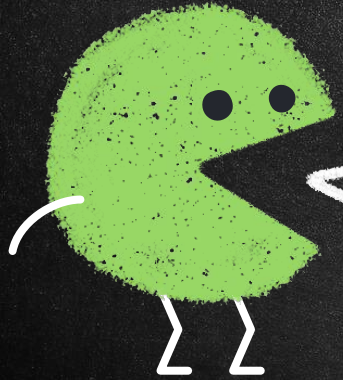
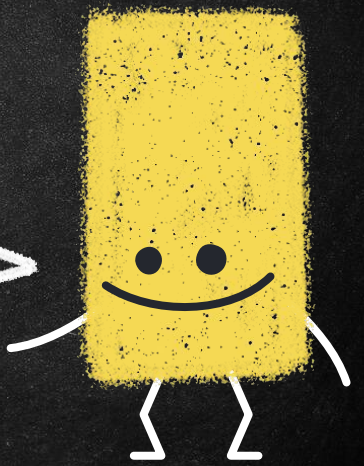
AniRate

Team 4





AniRate - Rate Any Anime

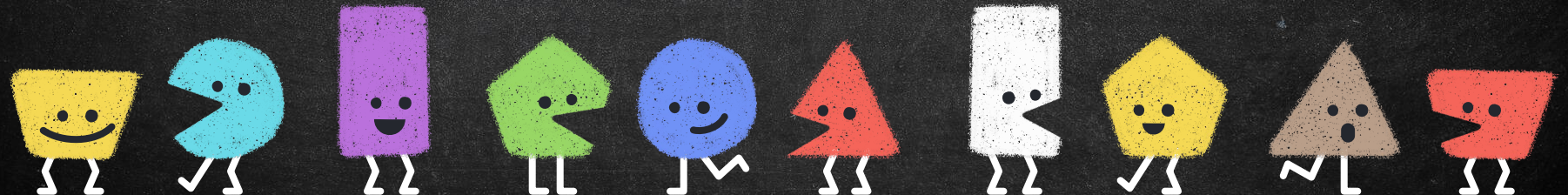
a rating & recommendation app

Fashing Chen

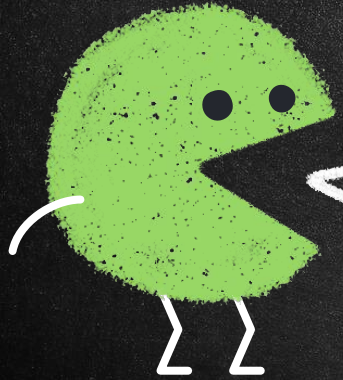
Che Wei Wang

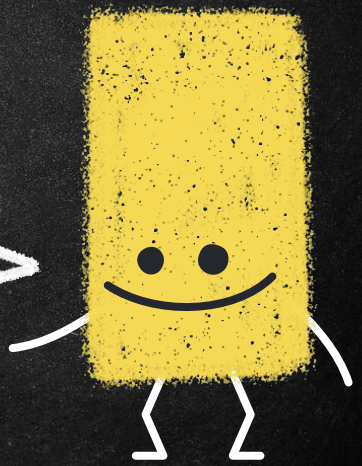
Yu-Wei Chang

En-Huei Wu

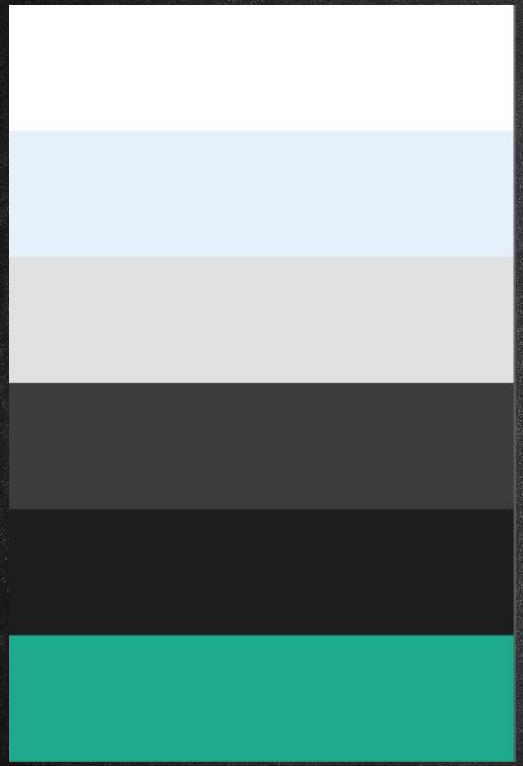


Overview of Revised Design





Revised Design – Color



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Colors.blueGrey[300] Colors.blueGrey.shade300	0xFF90A4AE
Colors.blueGrey[400] Colors.blueGrey.shade400	0xFF78909C
Colors.blueGrey	**0xFF607D8B**
Colors.blueGrey[600] Colors.blueGrey.shade600	0xFF546E7A
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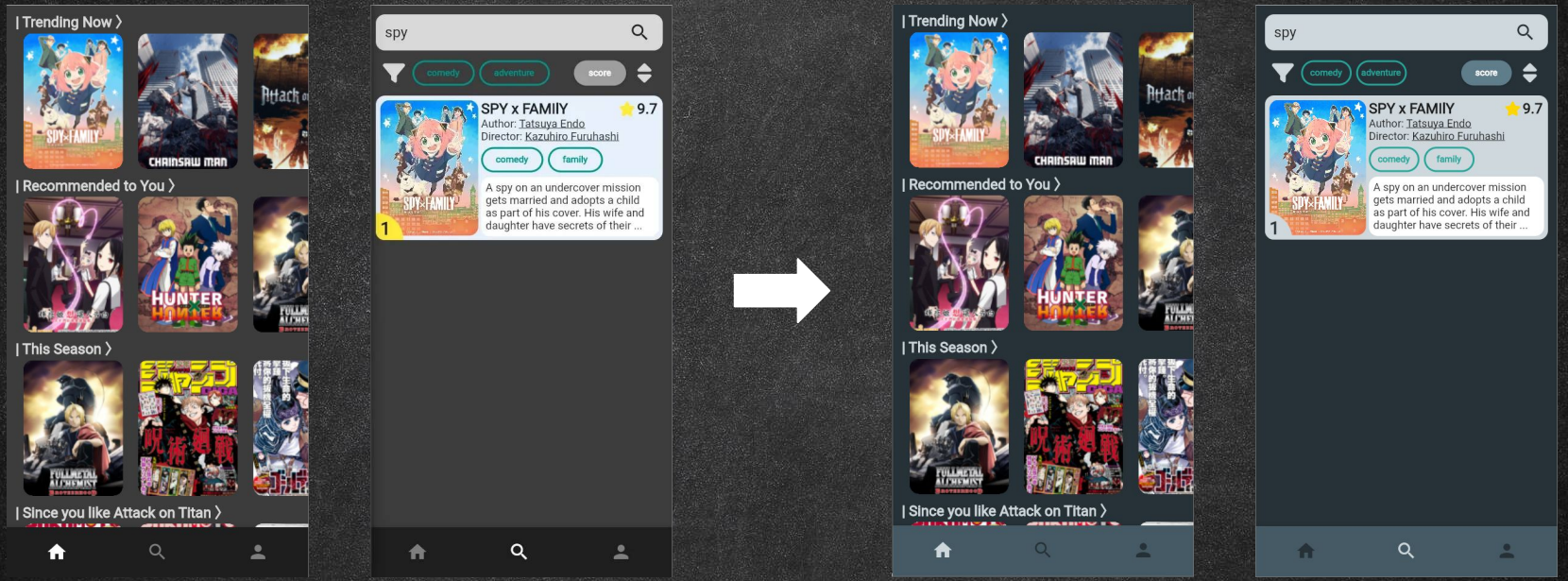
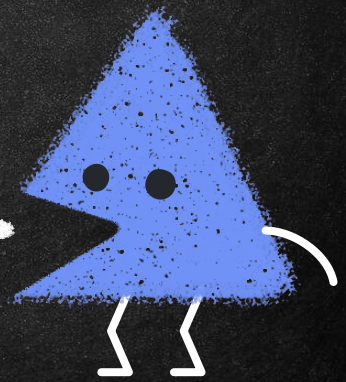
Revised Design - Color



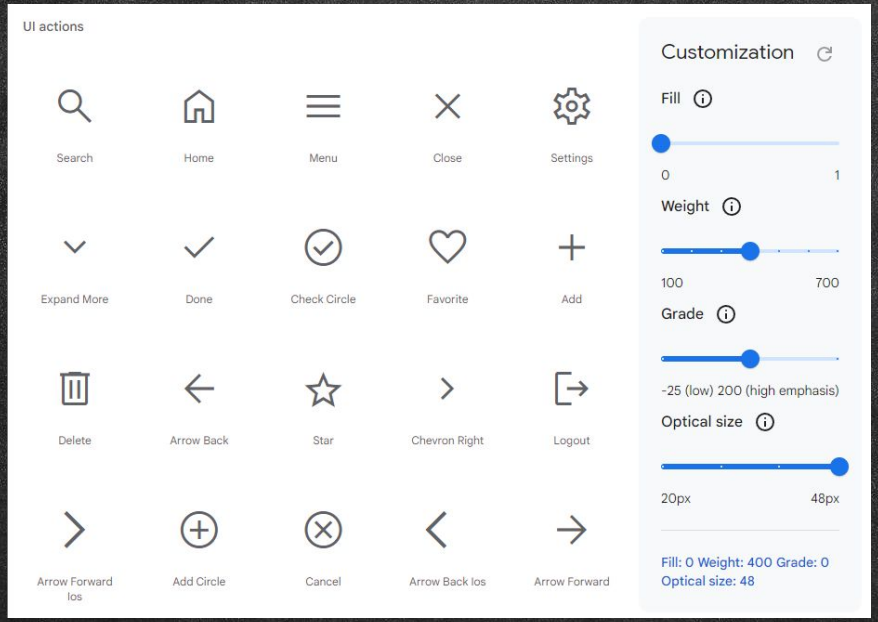
Revised Design – Font

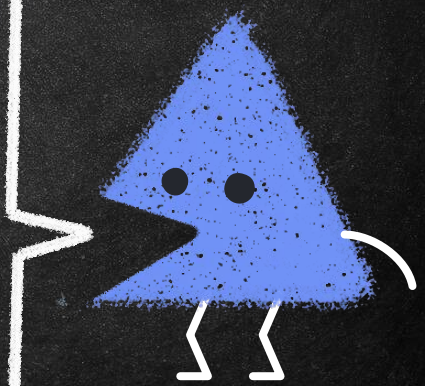
- Font family - Noto Sans
  - Not implemented yet, encountered some problems while implementing.



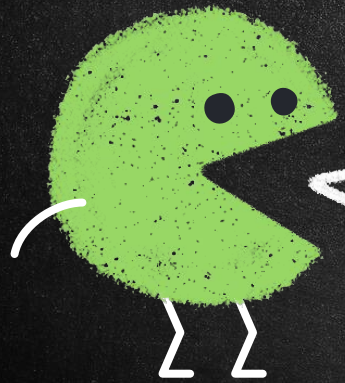
Revised Design – Icon

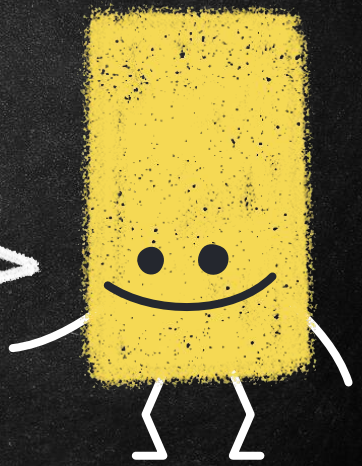
- Uniform icon size
- Uniform design - Google Font/Icons





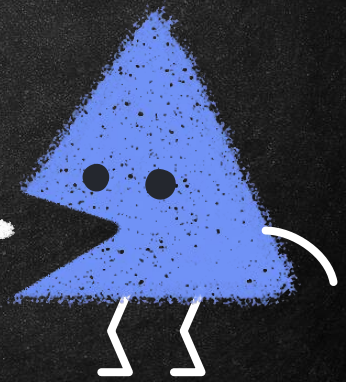
Prototype Implementation Status





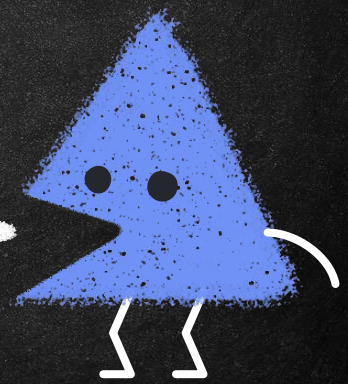
Exploring Strategy

- ➜ Member backgrounds
  - 2 experienced in web-development
  - 0 experienced in mobile-development
- ➜ We decide to explore both **Flutter** & **React Native**, to find out which is more friendly for new-comers
  - compatibility with figma
  - environment setup complexity
  - learning curve & resources
  - aiding tools



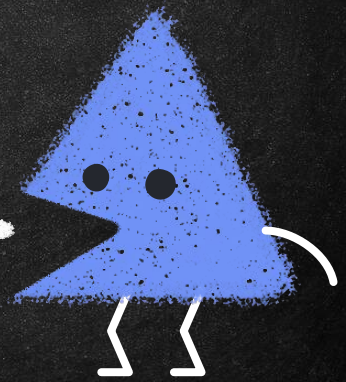
Exploring Flutter

- (Member 1) Follow blog articles to
  - set up environment (Flutter, Android Studio)
  - finish a simple page
- (Member 2) Follow Youtube videos (setup, tutorial)
  - set up environment (Flutter, Android Studio)
  - finish a simple page
- Try some Figma plugins - FigmaToFlutter
  - almost useless



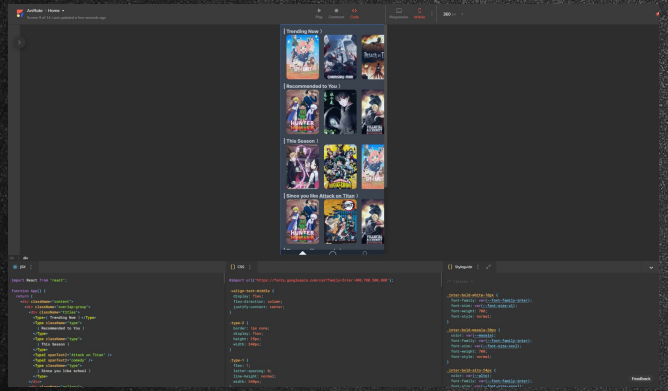
Exploring React Native

- (Member 3) Follow tutorials to
  - set up environment (React)
    - LOTS OF ERRORS!
    - Lost UI and transition after exporting
  - ~~finish a simple page~~
- (Member 4)
  - Found some useful plugins(Locofy)
  - Copied codes to online development software for further implementation(Snack)
- Tried some Figma plugins



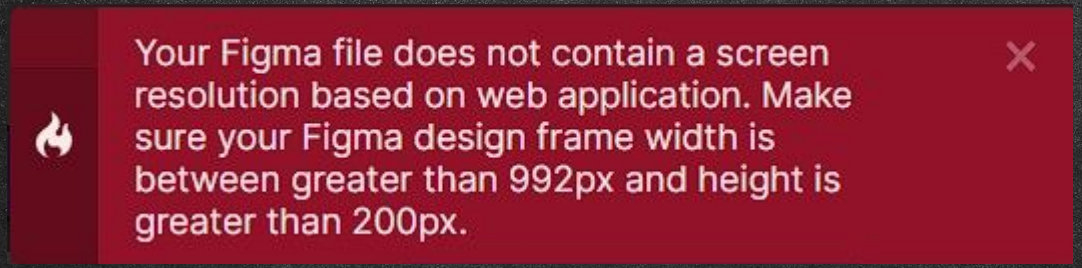
React Native – Figma Plugins

1. Anima
   - Pros: Nice interface with good figma transition
   - Cons: Paid features



React Native – Figma Plugins

2. dhiWise
   - Pros: Skip coding, reconstruct transition using GUI interface
   - Cons: Device size restriction (Can't export to React becuase it is for web)

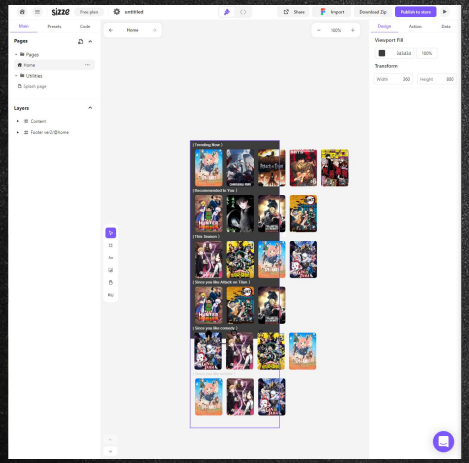


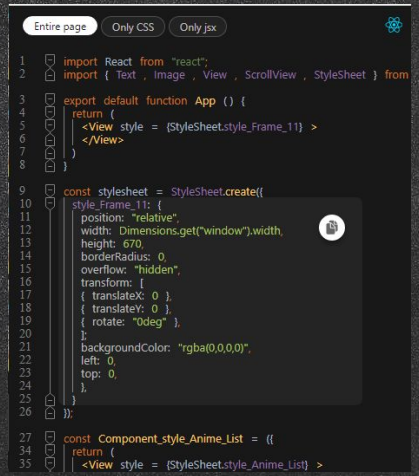
React Native – Figma Plugins

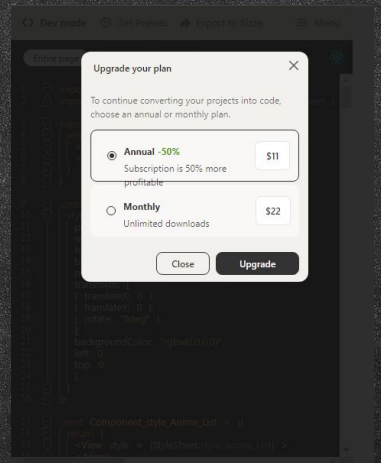
3. Bravo Studio
   - Pros: Skip coding, Retain transitions with tags, Connect to Airtable as database
   - Cons: Need to add pre-defined tags on existing objects, and additional testing app is required

React Native – Figma Plugins

4. Sizze
   - Pros: Skip coding & Autolayout
   - Cons: Paid features

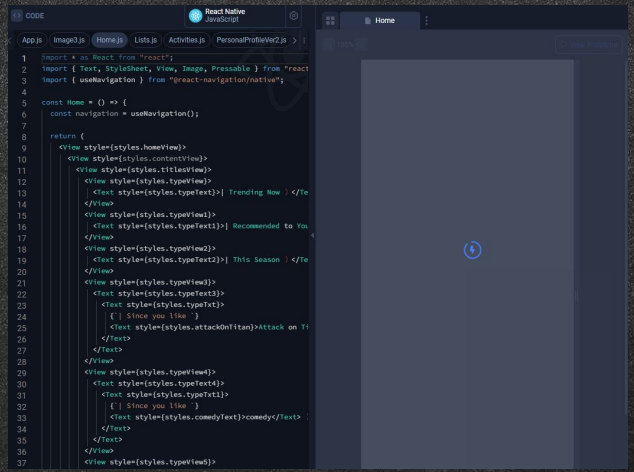


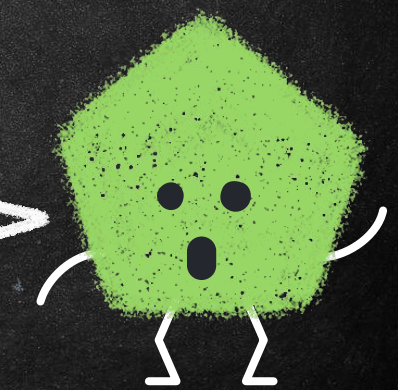




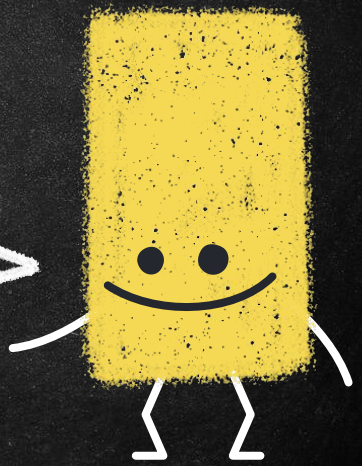
React Native – Figma Plugins

5. Locofy
   - Pros: Precise code translation, free export
   - Cons: Some assets are not loaded correctly, slow preview load-in



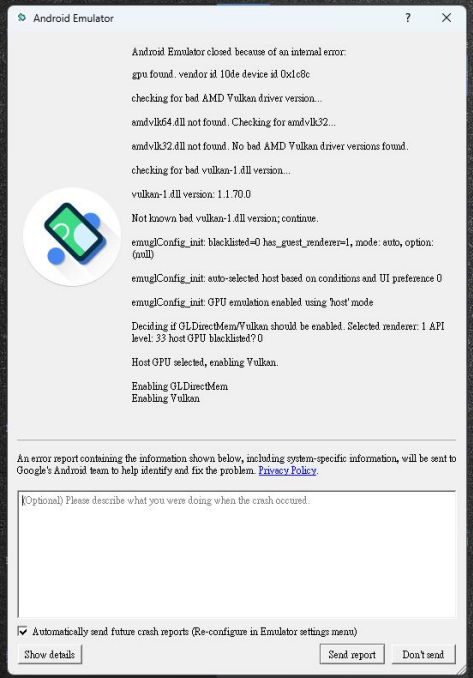


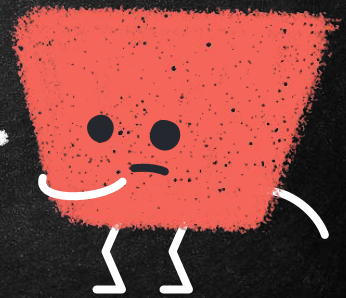
Implementing Issues



Implementing Issues – Flutter

- Having trouble to open emulater





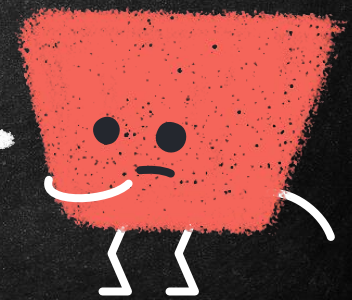
Implementing Issues – React Native

- Encounter errors while running npm

```
To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
PS C:\Users\En-Huei_Wu\Downloads\application2-v1.0.1> npm audit fix
```

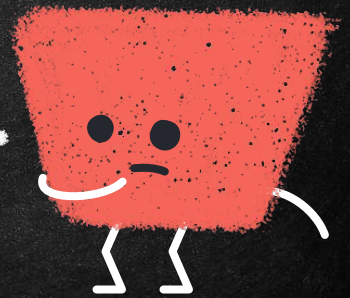
```
6 high severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force
PS C:\Users\En-Huei_Wu\Downloads\application2-v1.0.1> npm audit fix --
```

```
72 vulnerabilities (13 low, 19 moderate, 36 high, 4 critical)

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force
PS C:\Users\En-Huei_Wu\Downloads\application2-v1.0.1> npm audit fix --
```



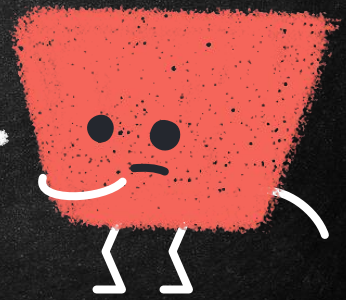
Implementing Issues – React Native

- Images and frames are not correctly rendered on phone emulater and can be only run on web



Implementing Issues – React Native

- Had difficulty using npm and Android Studio
  - The environment setup is complex and not friendly for new users



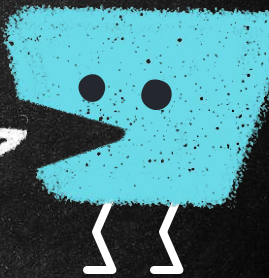
Comparison

Flutter

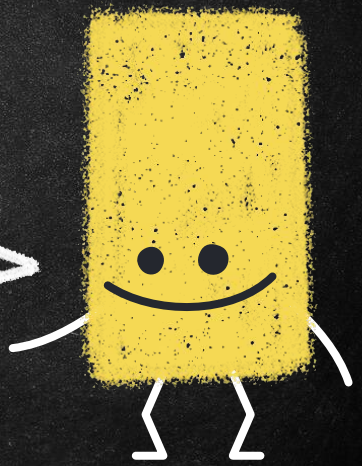
- Weak figma plugins
- Easier to set up
- Good learnability

React Native

- Matured figma plugins
- Difficult to set up(Encountered more problems)
- Worse learnability

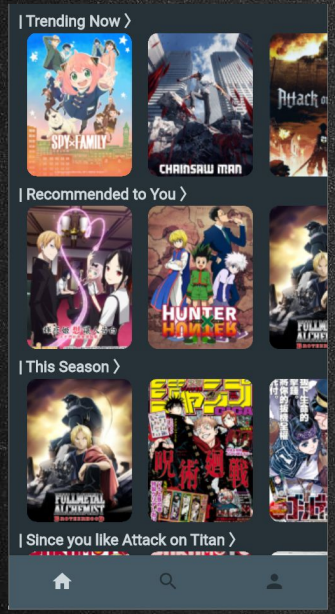


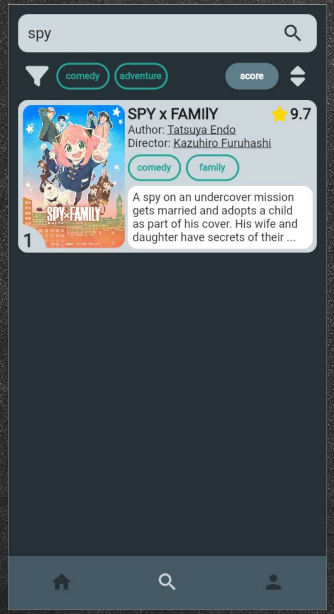
Implemented results



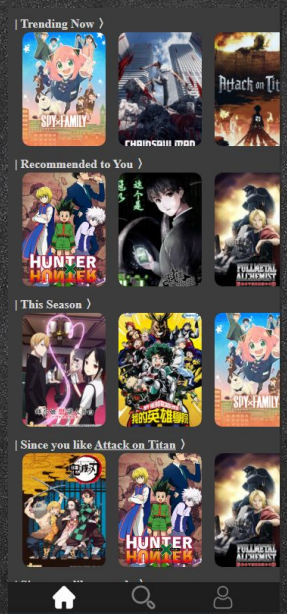
Implemented results

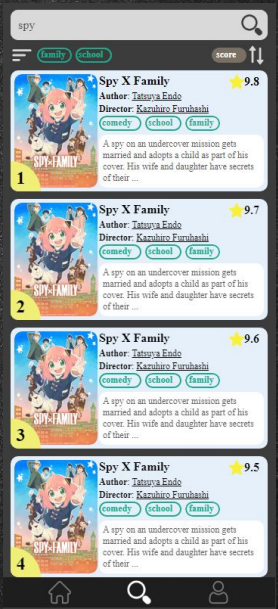
Flutter





React Native



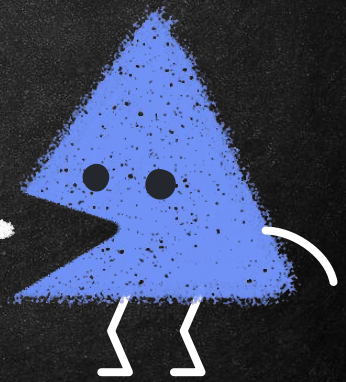


Unimplemented Features & Plan

- Everything beside home page and search page are unimplemented

- We decide to handcraft remaining UI using **Flutter**, we will hold a code review process on finished code
  - React seems too troublesome for new users

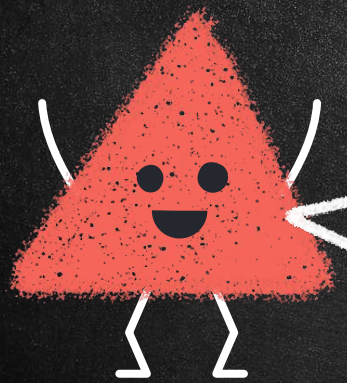
- Plan to finish **recommendation**, **anime profile** and **searching results**

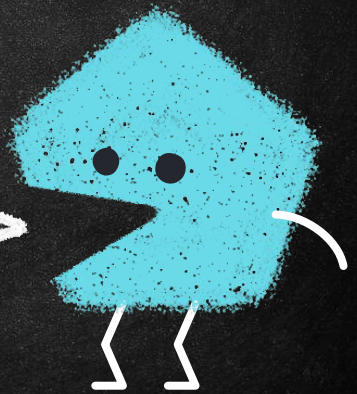
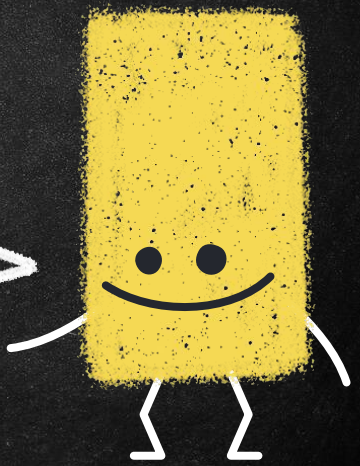


Demo

Summary

- We tried both **Flutter** & **React Native**, as well as their figma plugins
- Final decision: to use **Flutter** over **React Native**
- We plan to complete the rest of the functionalities as well as additional designs in the following weeks.





Thank You For Listening