

## COMP3423 Assignment 2

ZHOU Siyu 21094655d

### Question 1

1. We cannot always find the start of this scotch tapes after using first time.



2. Mainland McDonald's drink cup lids are very secure, but they will leak out when drinking because the hole for mouth is too large, and the distance from mouth to touch.

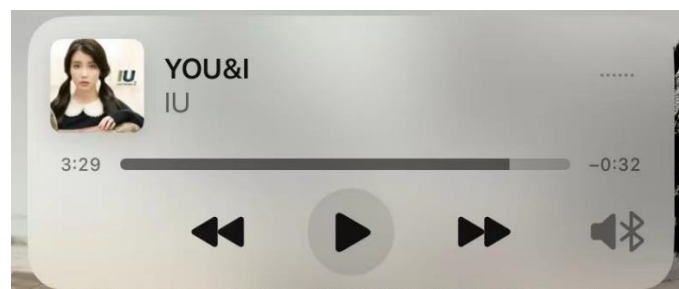


3. Paper straw will be soaked by drinks and become deformed

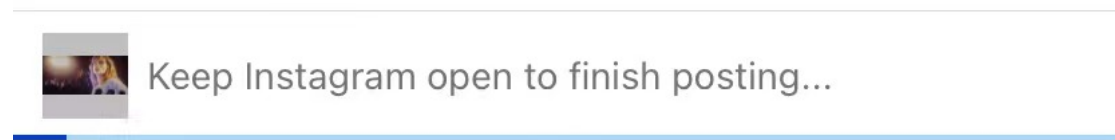


### Question 2

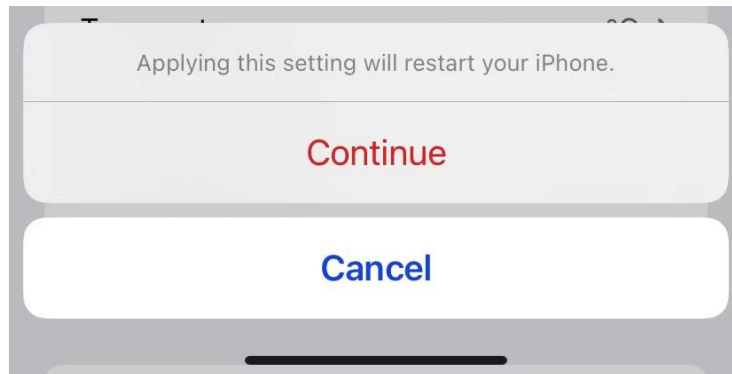
Interface 1:



Interface 2:



Interface 3:



### Question 3

The functional requirements:

1. The app must provide interactive exercise for children
2. The app must allow users to create individual accounts for recording unique completed exercises, scores, and other information.
3. The app must incorporate a reward system such as badges, stars, or virtual currency to motivate children to continuously learning.
4. The app must implement process tracking function, include completed exercises, scores, and areas for improvement.
5. The app must ensure that the setting have path to set the sound and music

The Non-functional requirements:

1. The app's interface should be an appealing interface and easy for children to navigate and understand.
2. The app should be up to date.
3. The app should allow children to access previous exercise and continue learning in an offline environment.
4. The app should being secure on users' accounts and users data

### Question 4

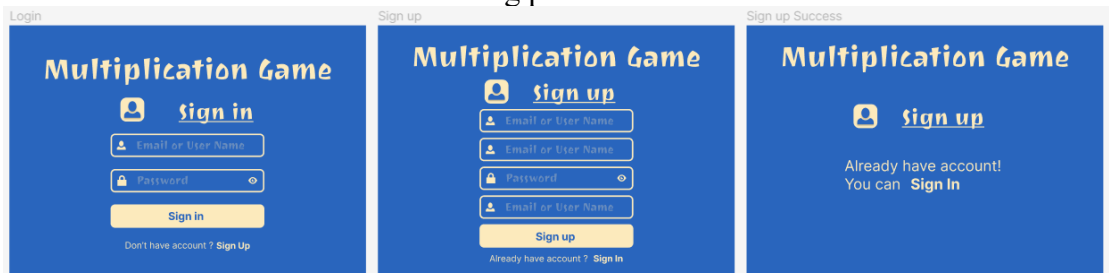
List of unconsidered requirements:

1. The app must allow users to **create individual accounts for recording** unique completed exercises, scores, and other information.

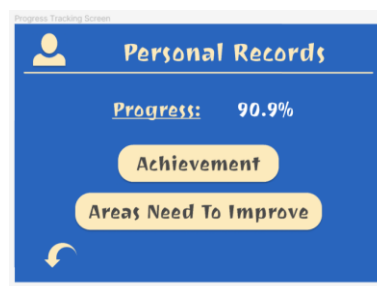
2. The app should allow children to **access previous exercise and continue learning** in an offline environment.

Describe what you have improved:

1. Create individual accounts for recording personal data.



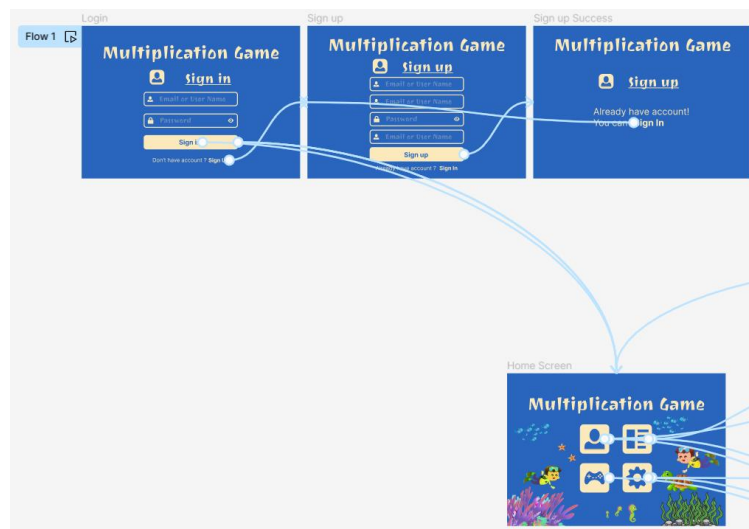
2. Access previous exercise and continue learning.  
Before:

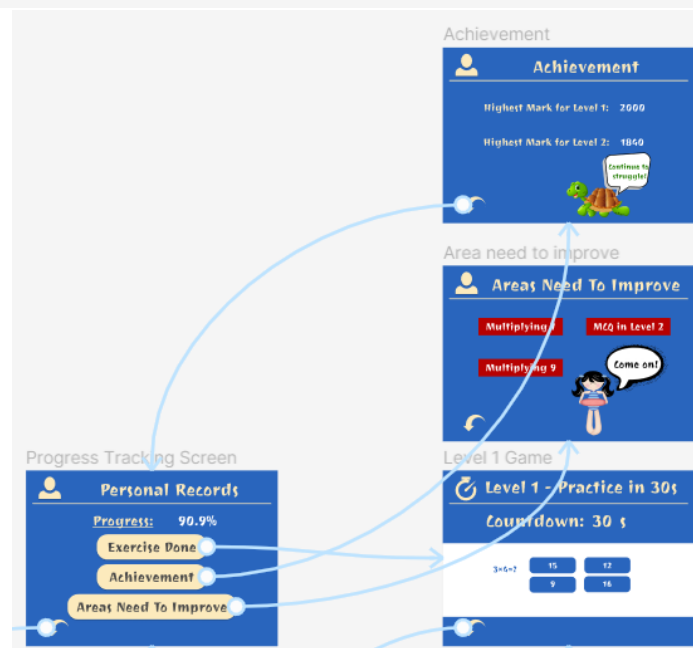
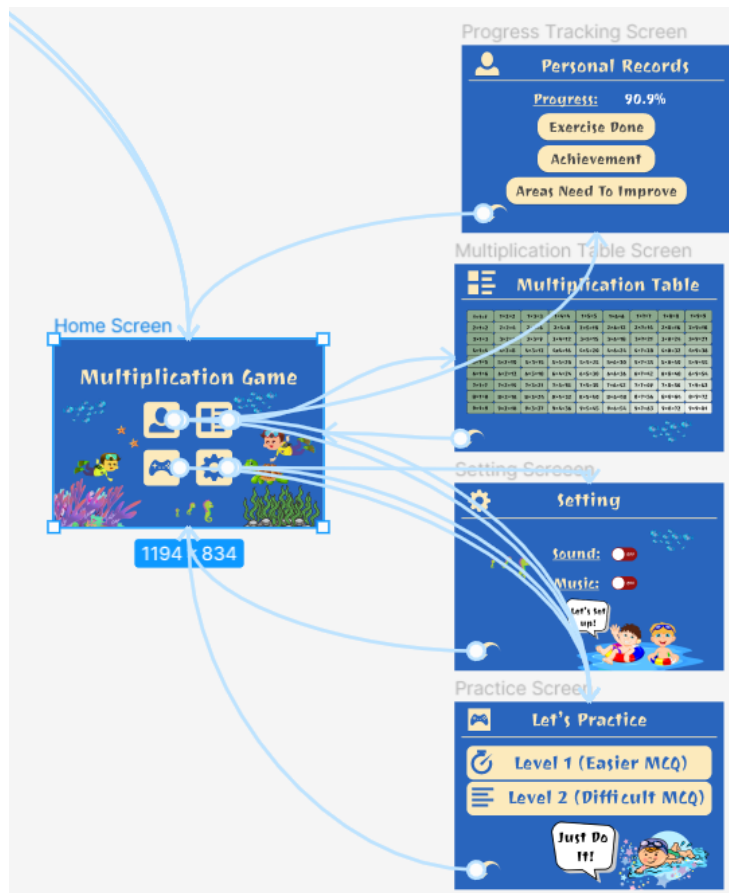


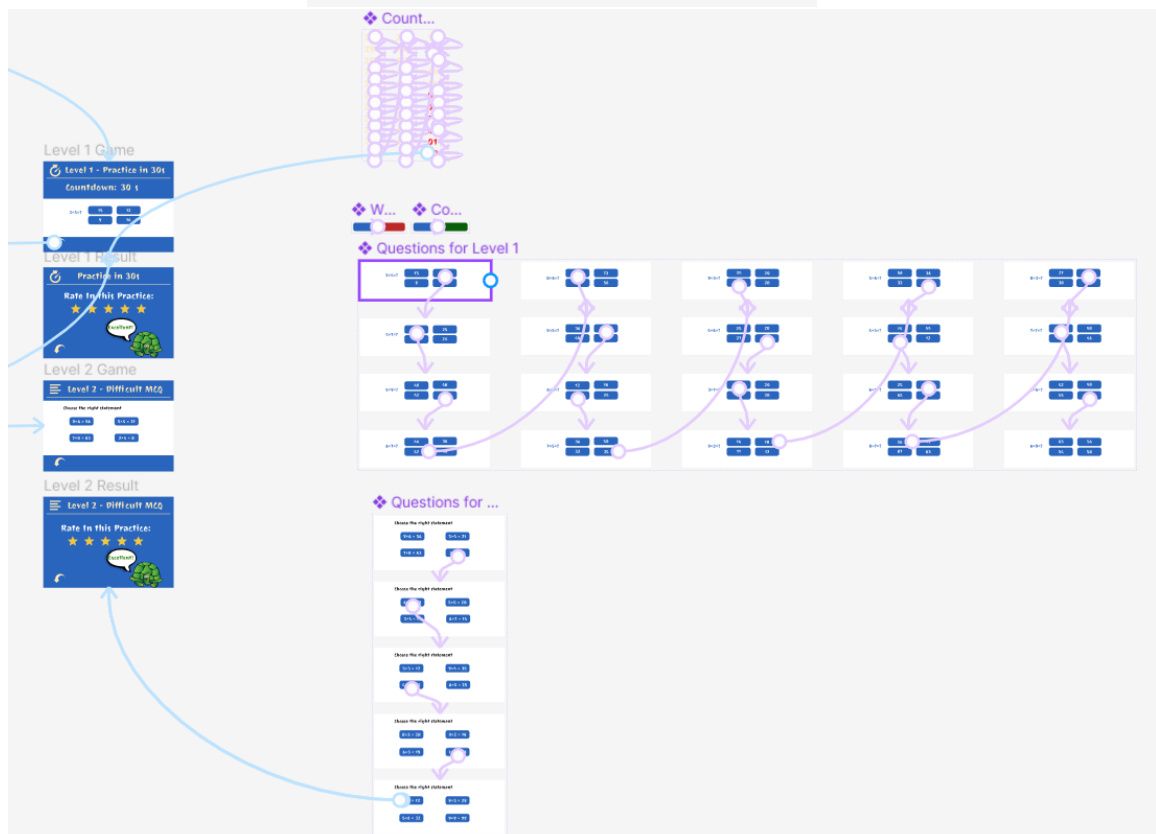
After:



The walkthrough path of the improved interface (screen captures):







The URL to access the improved interface:

<https://www.figma.com/proto/Aog83jiD9p3lgUcVQZmUIF/HCI-A2?type=design&node-id=303-145&t=ceSOro4Vf2CSA7d1-1&scaling=scale-down&page-id=1%3A3&starting-point-node-id=303%3A145&mode=design>