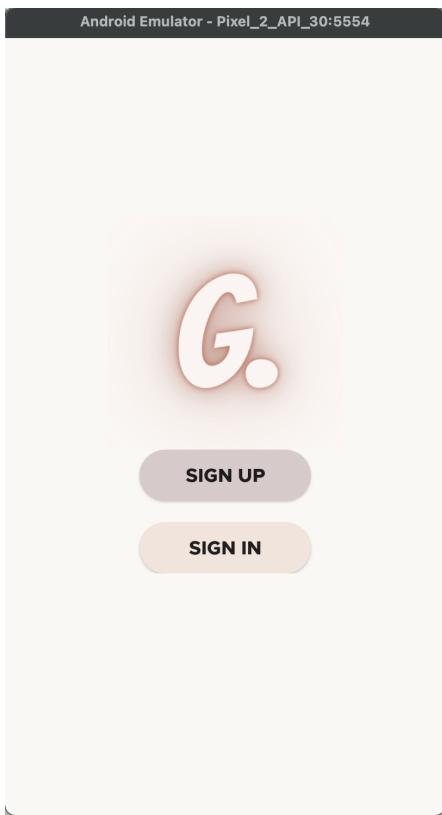


University of Nottingham Malaysia

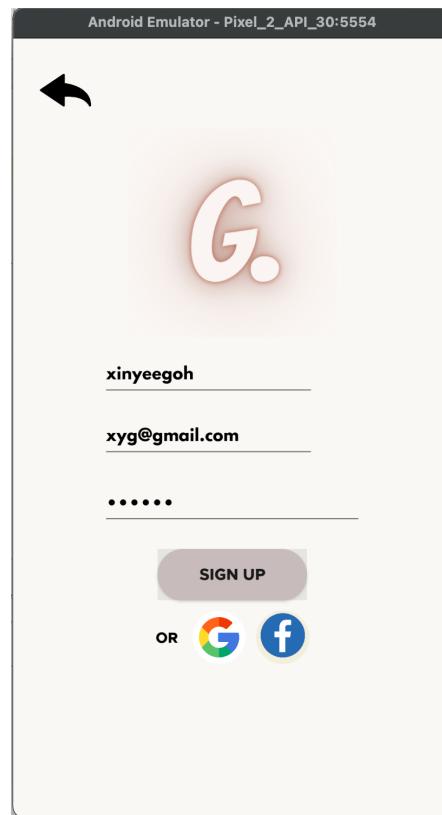
**MDP Coursework 2
Report**

**Name: GohXinYee
Student ID: 20093715**

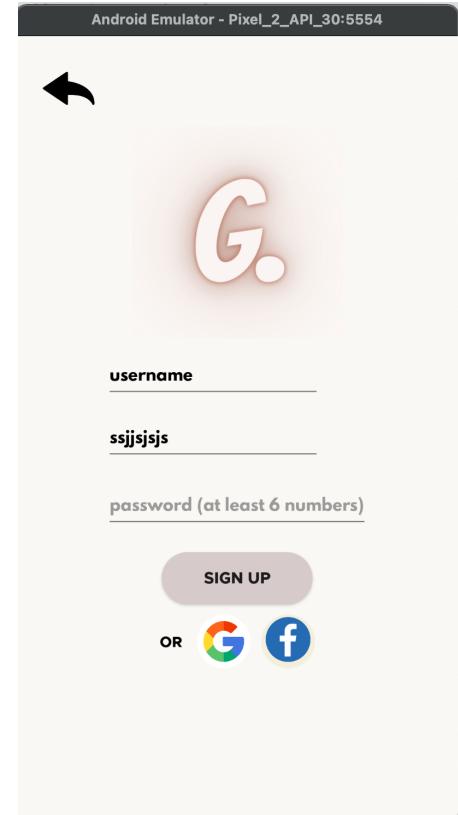
Screenshots of App (Clearer view can be found in the folder ScreenShots of the project)



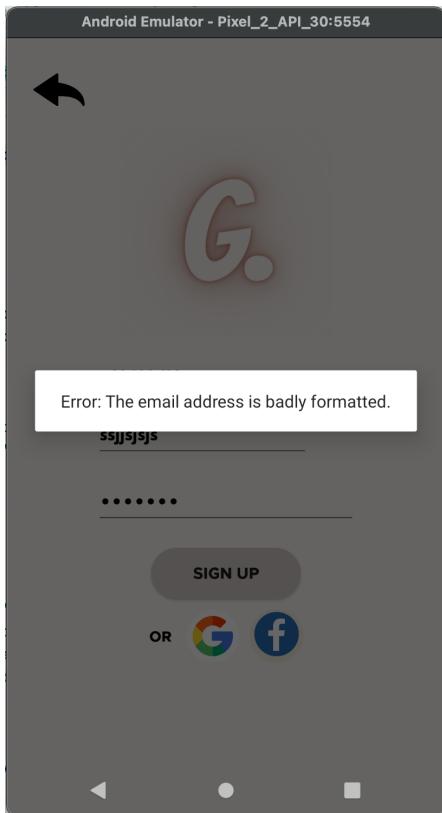
First Page



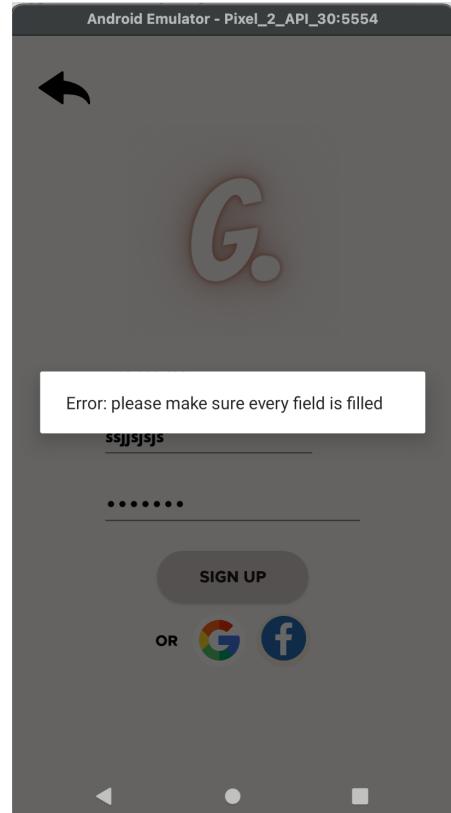
Sign Up



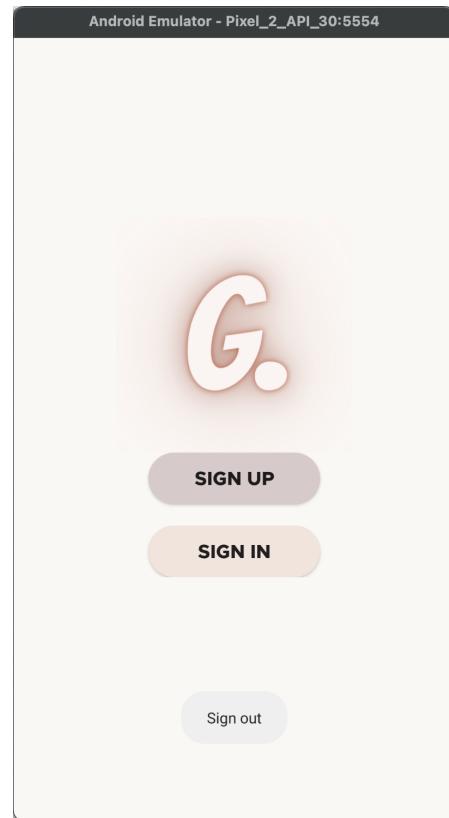
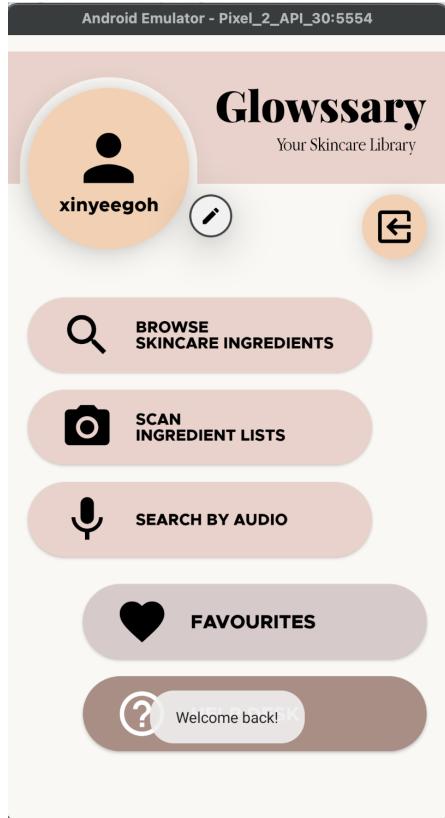
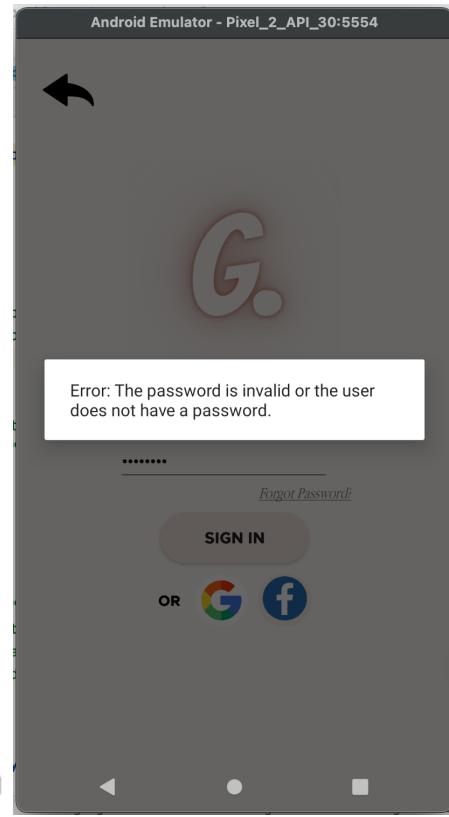
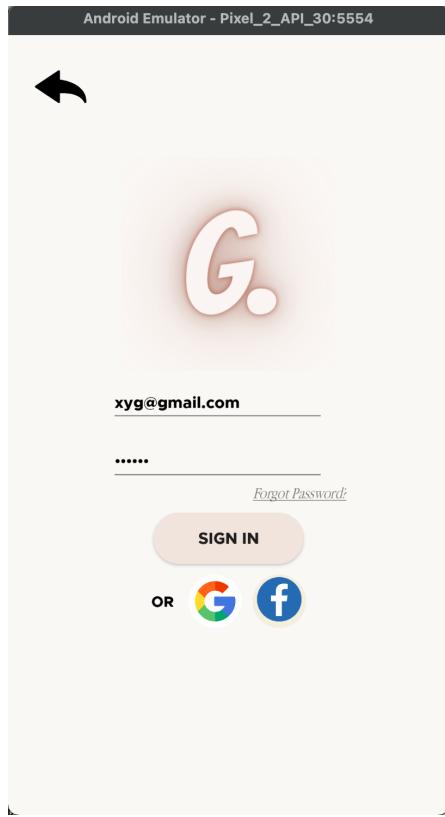
Invalid Sign Up

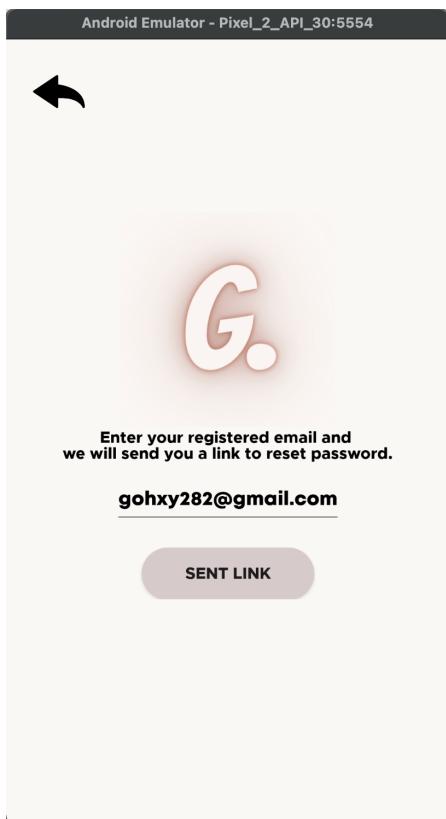


When input is invalid

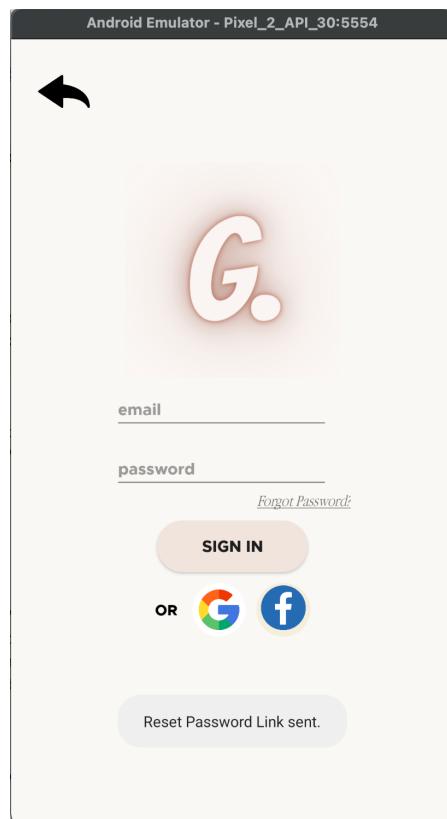


When input is incomplete

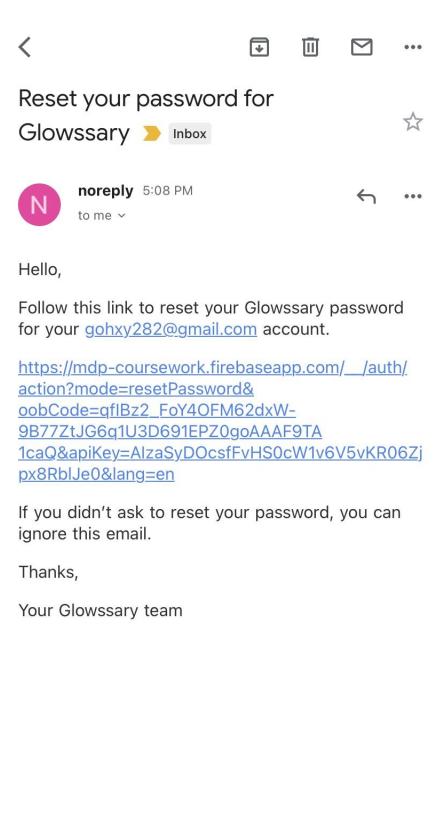




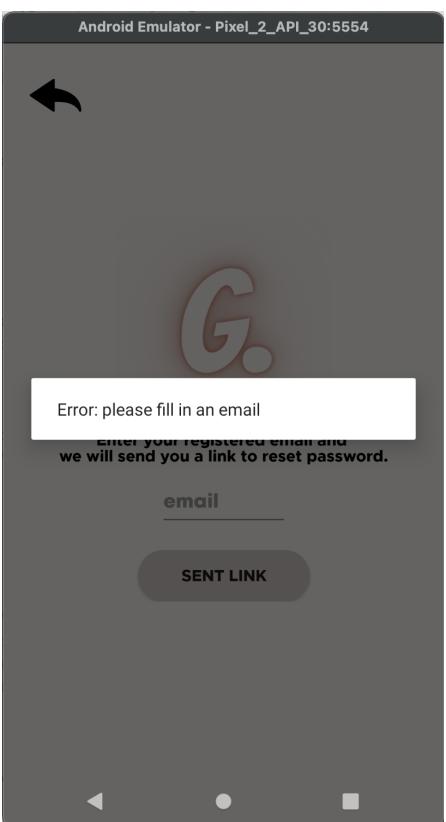
Reset password via a link sent to email



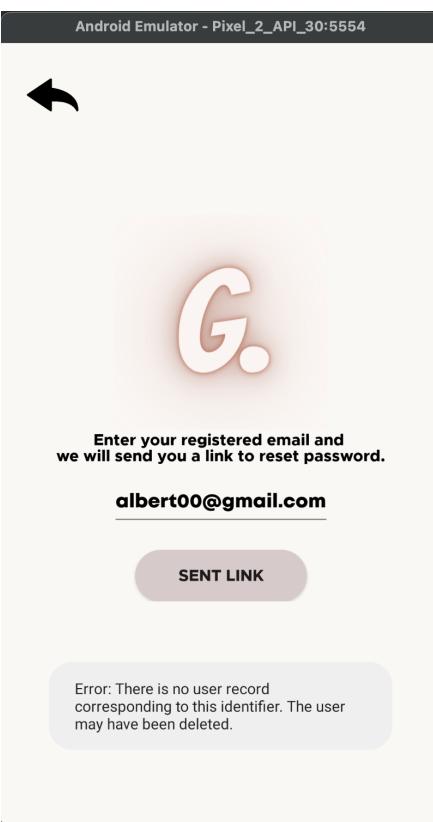
Link is sent successfully

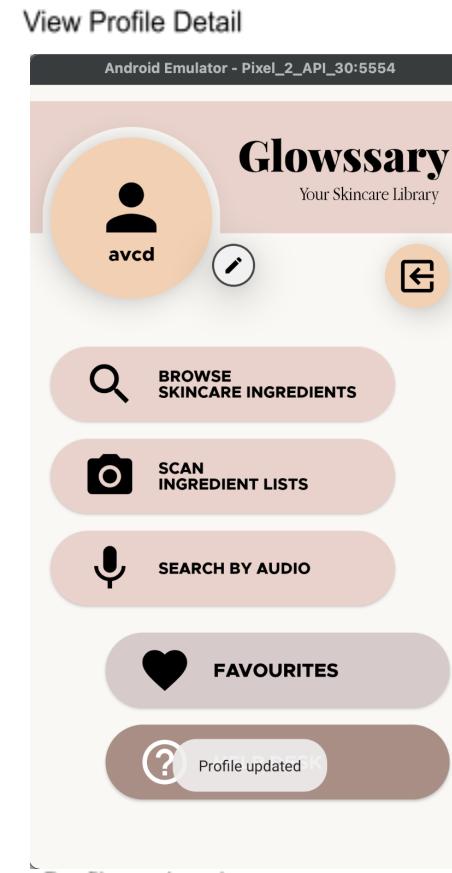
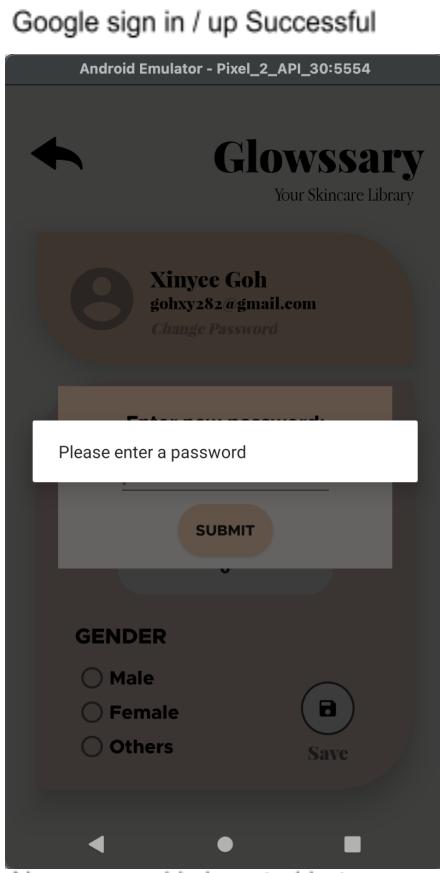
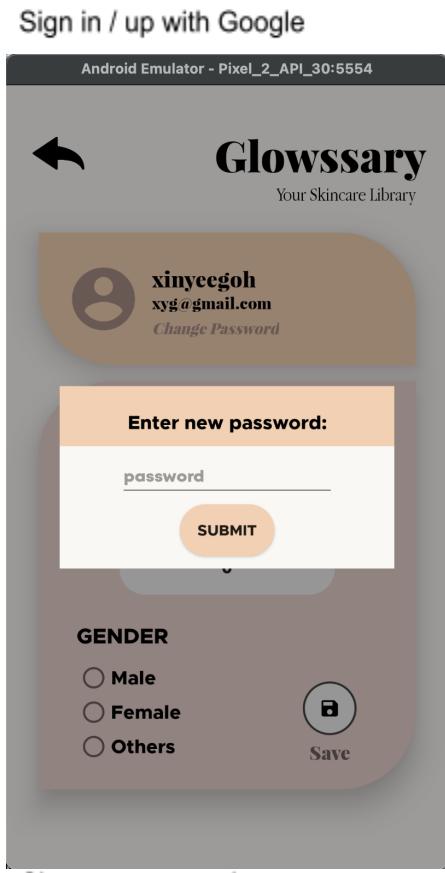
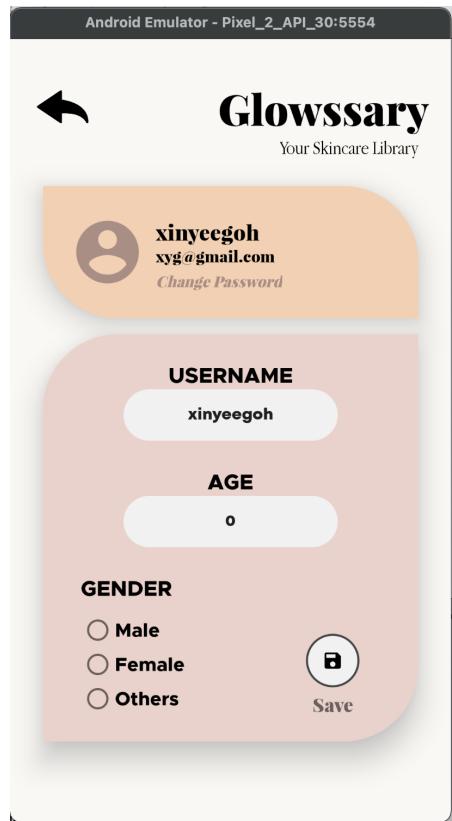
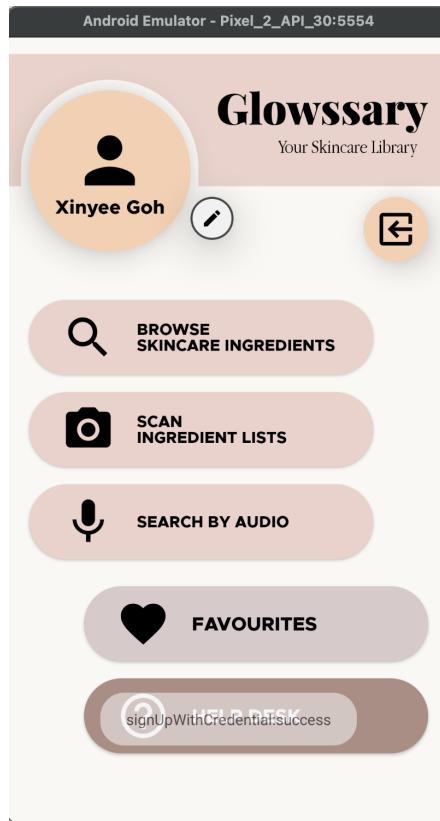
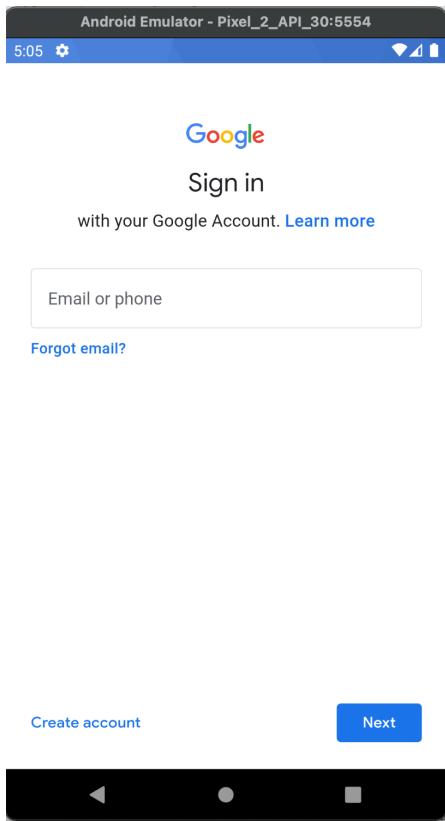


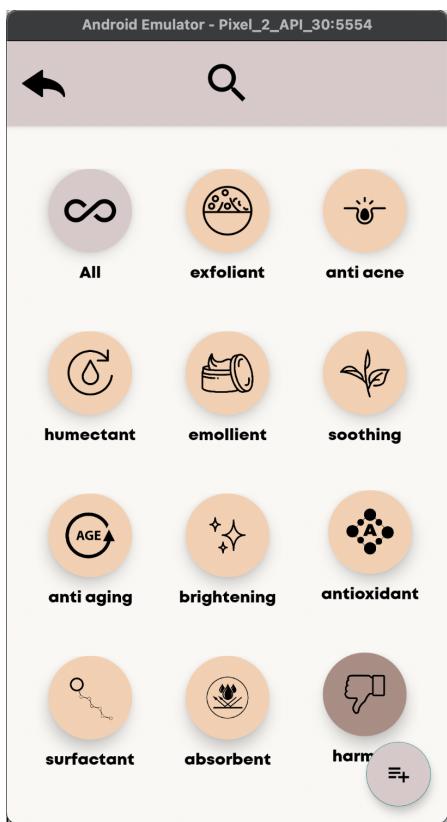
Check link on email



Email is unregistered



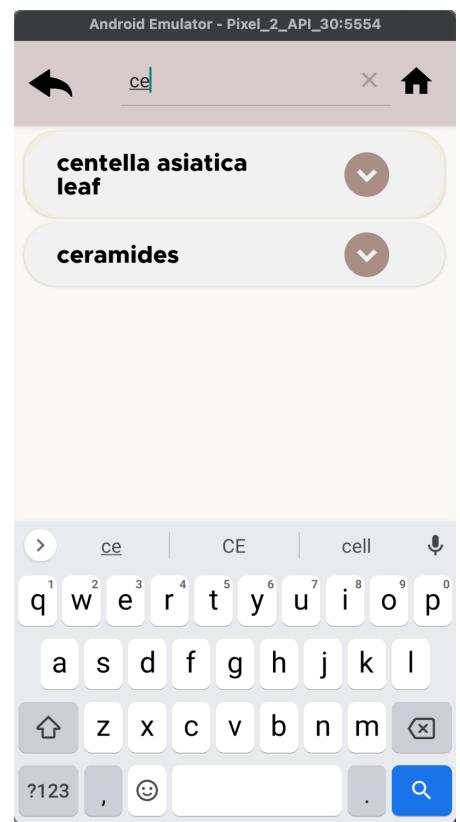




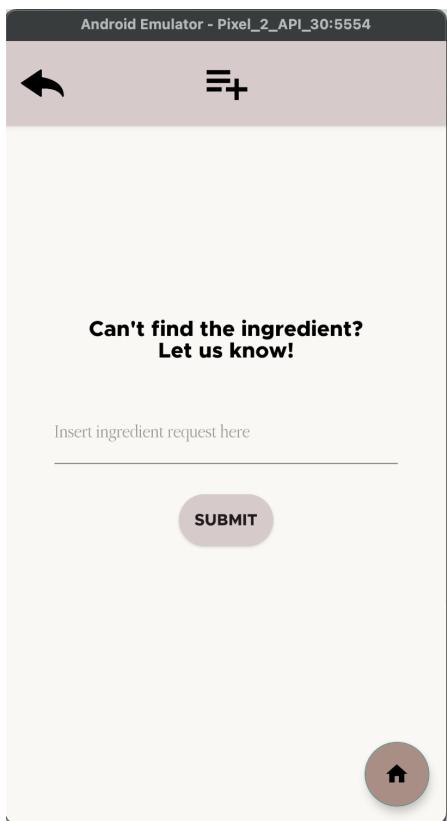
Ingredient Category



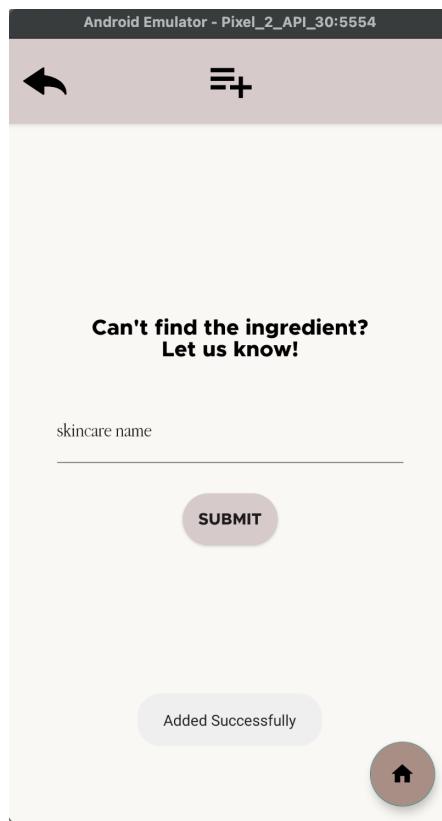
Ingredient List



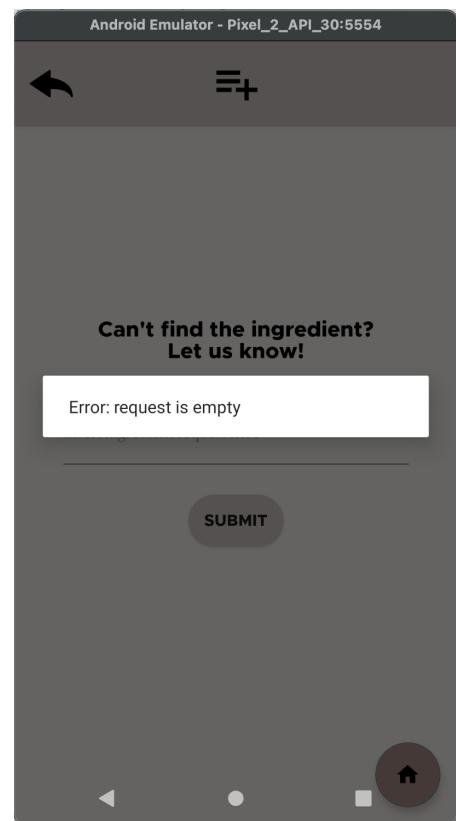
Searching Ingredient by text



Submit Ingredient Request



Request is successfully submitted



No request is inserted but
"submit" is clicked

Android Emulator - Pixel_2_API_30:5554

calendula

WHAT IT IS
Skin-Soothing 

ALSO KNOWN AS
Marigold Extract

USAGE
A popular skin care ingredient for centuries, calendula extract has been prized for its soothing abilities, anti-inflammatory, anti-bacterial and antioxidant properties, which can promote wound healing, calm irritation and even soothe sunburn and eczema. Calendula may also help hydrate and soothe dry, damaged and sensitive skin. Although generally recommended for sensitive and baby skin, because it is part of the compositeae family, there is risk of allergic reaction.

RATINGS
Good

FEATURED IN

- HONEST BEAUTY Gentle Gel Cleanser
- KIEHL'S Calendula Herbal Extract Alcohol-Free Toner
- TYPOLGY Macerated Oil Calendula
- TRILOGY Very Gentle Calming Serum



Android Emulator - Pixel_2_API_30:5554

calendula

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- TYPOLGY Macerated Oil Calendula 
- TRILOGY Very Gentle Calming Serum



Android Emulator - Pixel_2_API_30:5554

hyaluronic acid

WHAT IT IS
Humectant 

ALSO KNOWN AS
none

USAGE
Hyaluronic acid is a hydrophilic (water-loving) compound that has the ability to draw moisture right out of the air and hold up to 1,000 times its weight in water in the skin. It is naturally present in all our connective tissues and skin, but because our body's production of this slows as we age, this ingredient is widely used in skin care products designed to battle dryness and improve skin texture and elasticity. Hyaluronic acid is also used as a natural alternative to synthetic fillers injections.

RATINGS
Good

FEATURED IN

- THE ORDINARY Hyaluronic Acid 2% + B5
- CERAVE Hydrating Hyaluronic Acid Face Serum
- NEUTROGENA Hydro Boost Hydrating Serum 
- PCA SKIN Hyaluronic Acid Soothing Serum
- DRUNK ELEPHANT B-Hydra Intensive Hydrating Serum



Ingredient Detail

Favourite Ingredient

Un-favourite Ingredient

Android Emulator - Pixel_2_API_30:5554

calendula

WHAT IT IS
Skin-Soothing 

ALSO KNOWN AS
Marigold Extract

USAGE
A popular skin care ingredient for centuries, calendula extract has been prized for its soothing abilities, anti-inflammatory, anti-bacterial and antioxidant properties, which can promote wound healing, calm irritation and even soothe sunburn and eczema. Calendula may also help hydrate and soothe dry, damaged and sensitive skin. Although generally recommended for sensitive and baby skin, because it is part of the compositeae family, there is risk of allergic reaction.

HONEST BEAUTY Gentle Gel Cleanser

DESCRIPTION
This gentle cleanser is enriched with Chamomile + Calendula extracts to help calm redness and irritation while it cleanses. Freshen Up. Gently removes impurities for a fresh start, every time.



Featured Product Pop-up

Android Emulator - Pixel_2_API_30:5554

licorice extract

WHAT IT IS
Soothing 

ALSO KNOWN AS
none

USAGE
The glabridin extracted from a licorice root gives us more than just that sweet-flavored candy. It is also an antioxidant that
blocks free radicals and soothes a dry scalp.

Sorry product info isn't available on Glowssary yet, we will update soon!

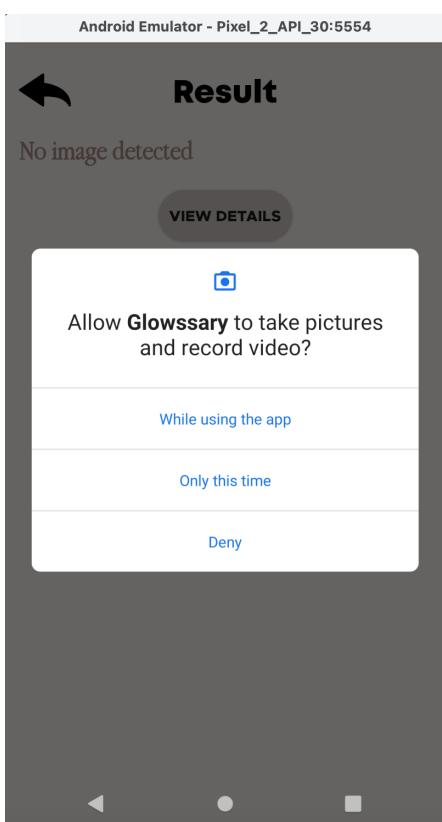
RATINGS
Gold-standard

FEATURED IN

- SUNDAY RILEY'S Good Genes All-In-One Lactic Acid Treatment
- OBAGI Clinical Blue Brilliance Triple Acid Peel
- SKINMEDICA Uplifting Eye Serum
- ACWELL Licorice PH Balancing Cleansing Toner



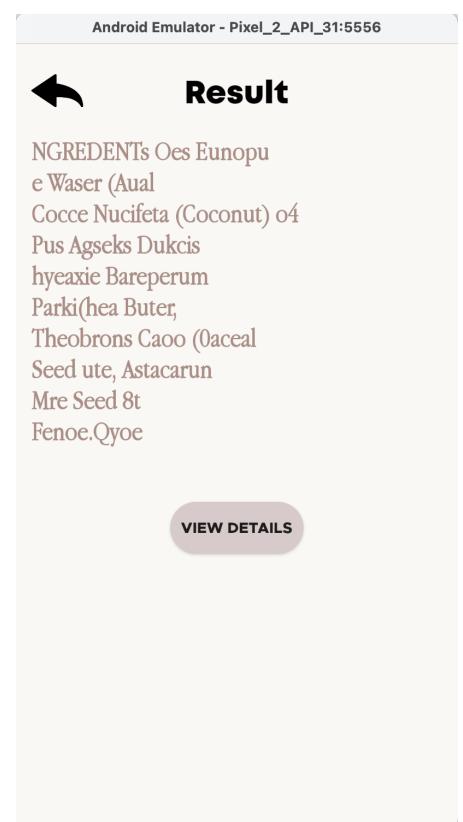
Product Info not available



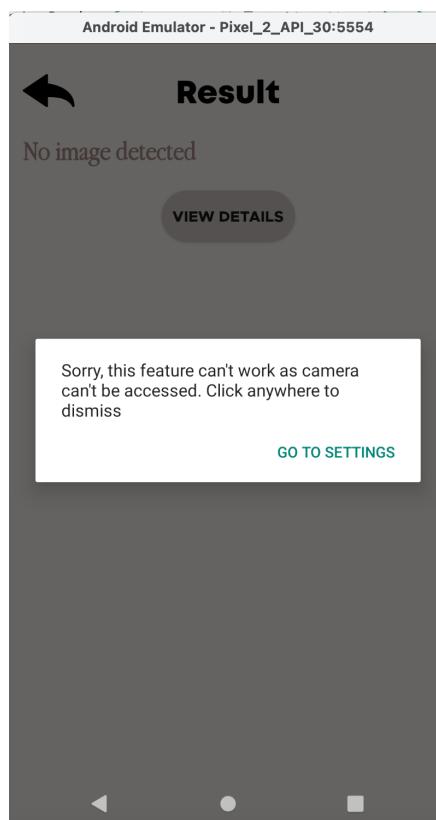
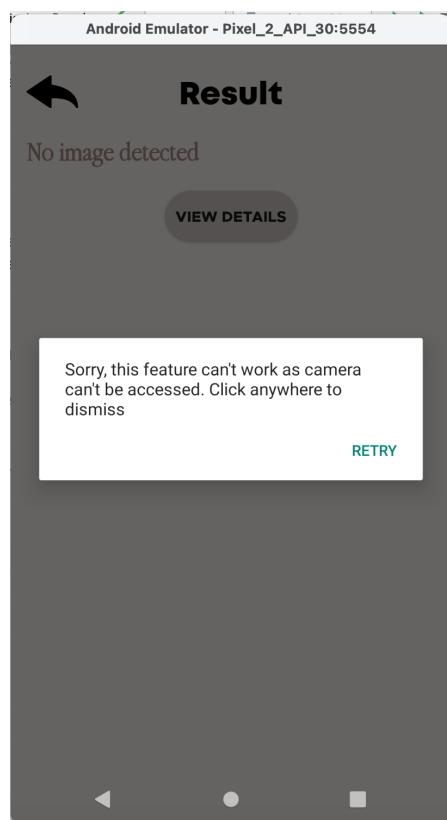
Camera Permission



Open Camera

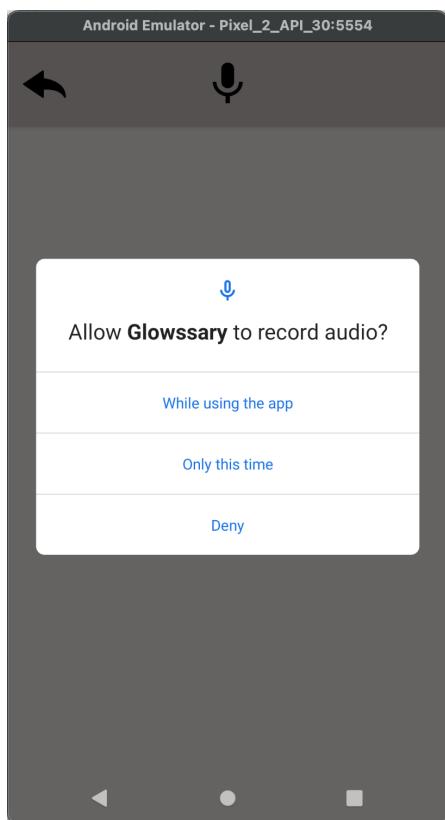


Recognised Text

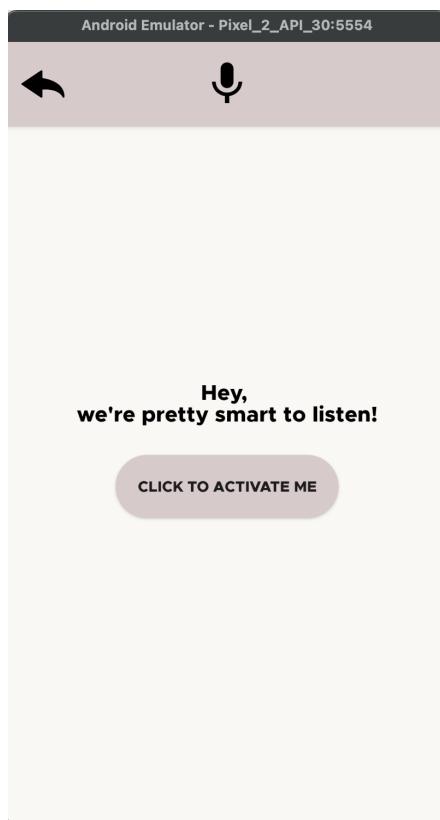


When users deny access for the first time, "Retry" pop up will be shown.

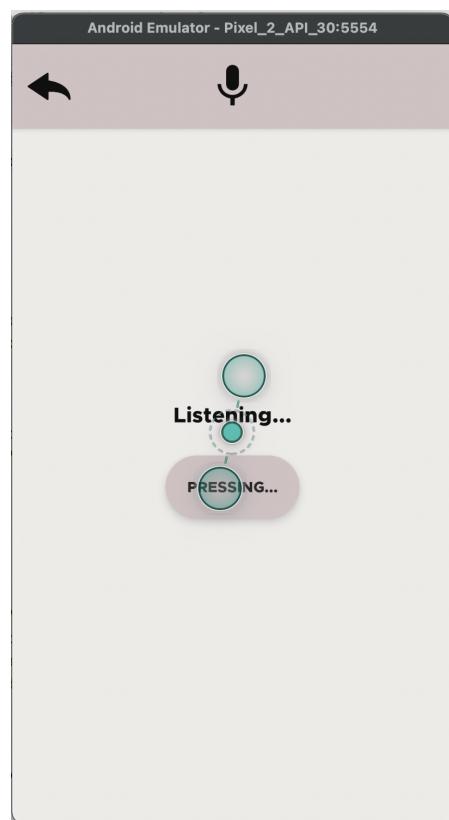
If during retry, users still deny the permission, "Go to settings" pop up will be shown, where user can edit the permission via device settings.



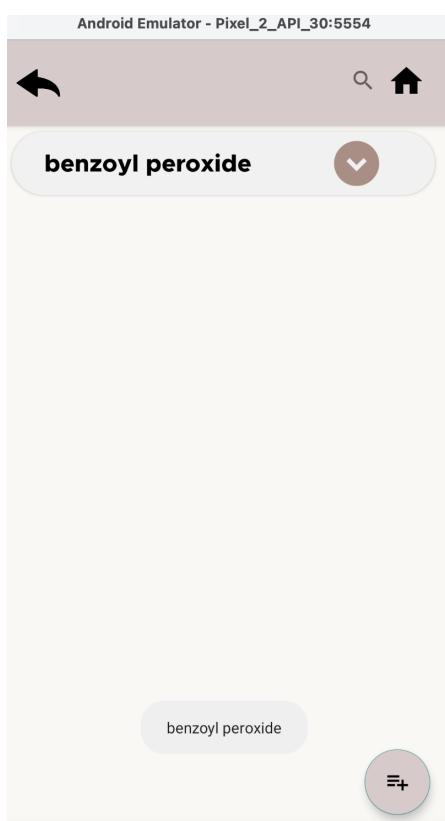
Audio Permission



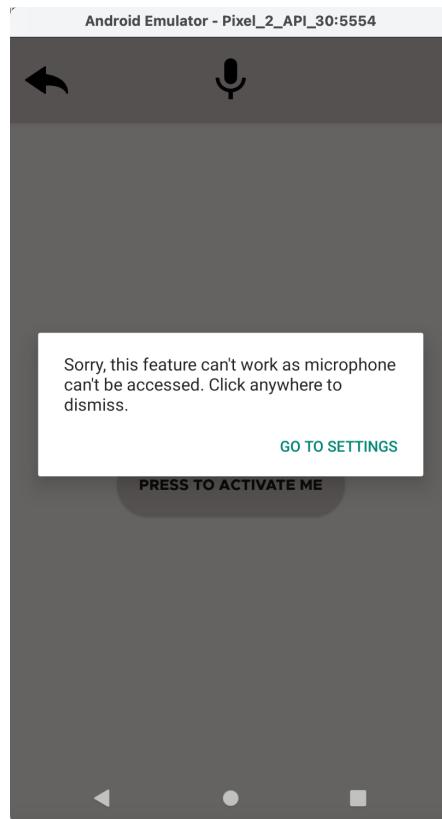
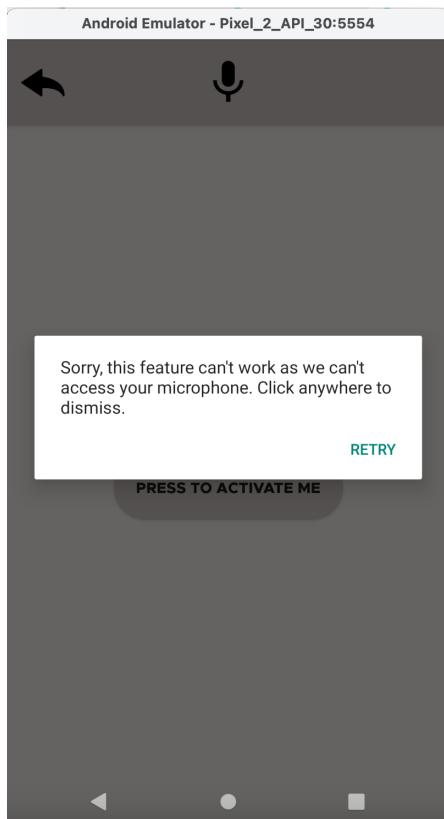
Audio Search Page



Recording audio

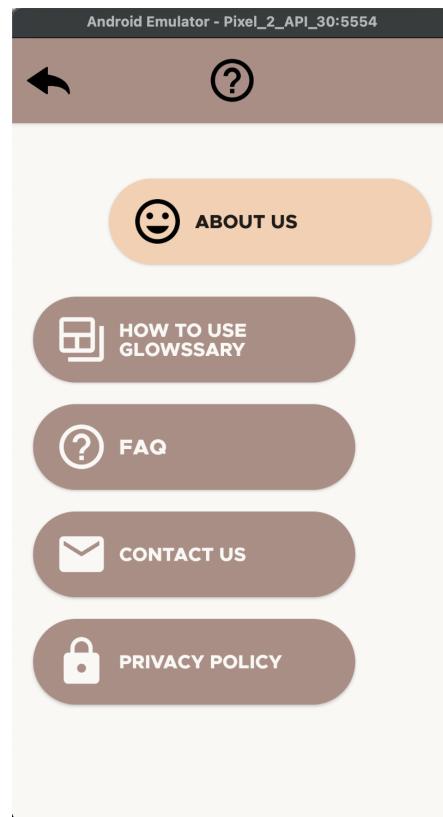
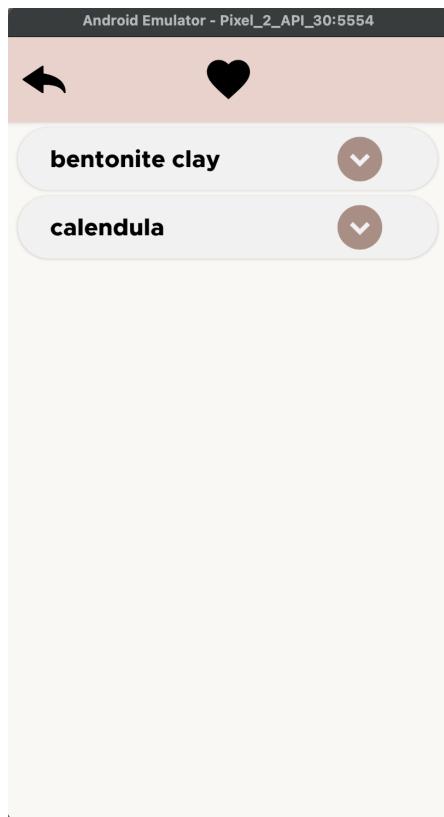


Resulting output



When users deny access for the first time, "Retry" pop up will be shown.

If during retry, users still deny the permission, "Go to settings" pop up will be shown, where user can edit the permission via device settings.



Favourite Ingredients Page

Help Desk Page

Overall experience and feedback regarding the coursework

Throughout the coursework, I was pretty much enjoying myself. At first, the coursework seemed quite heavy in workload but once I started working on it, it was actually doable. It has actually got me to consider the components needed to build an app, instead of merely focussing on programming an app. It makes me realise that many things come into play when building an app and lets me think of the “*Why?*” when transforming my idea into an app.

The 3 coursework is essentially demonstrating to us the flow of how an app is built: from thinking to planning, then developing. That being said, I find it quite well-planned. Also, I like the fact that the coursework is flexible as we aren’t confined to any specific set of requirements. Rather, we can develop an app related to the field that we’re interested in – which is great.

While the deadline for the last coursework (CW2) might be a little too short, I think we can see it as some sort of training since in future, when we’re working, we for sure are going to face short deadlines. After all, if the time is well-managed, it is still possible to build most functionalities of the app.

Overall, this coursework is quite different from the typical programming coursework I have experienced so far and that’s good.

Positive things about the overall coursework experience

The coursework has allowed me to think innovatively in coming up with an app idea. It has given me the chance to explore and make use of different Android Studio’s features, whether it is for the user-interface designs or back-end functionalities. Also, because of the coursework, I get to explore Firebase, which I think will be useful for any of my app development in future.

The coursework has trained me in independent learning as I needed to look up tutorials online and work with different methods and APIs myself. And of course, my programming and documenting skills have improved.

Lastly, the coursework can enrich my resume as it can be included in my portfolio. Since Android Studio is quite a common platform used for developing mobile apps, it is vital to have some hands-on experience with this platform, and the coursework has essentially let me achieve this.

Negative things about the overall coursework experience

While I don't think this coursework should be group work – since the more people in a group, the harder it is to finalise an idea – I do think it'd be better if it had been a pair work with 2 members in a group. In that way, the discussion won't be difficult and yet the manpower will be more sufficient to develop the app into more completion.

Describe if you make any assumptions in terms of usage of the app

AS-1: Assuming smartphones are available to users and this app is installable for their devices.

AS-2: Assuming users' devices have sufficient memory to install the app.

AS-3: Assuming the touchscreen sensor, display screen, cameras, and microphones of users' devices are functioning properly.

AS-4: Assuming stable and secured internet connection is established on users' devices.

AS-5: Assuming Firebase is working properly.

AS-6: Assuming robust cybersecurity solutions and encryption are implemented to minimise the risk of getting cyberattacks, as well as protecting users' data and any other relevant app data, or data transmissions.

AS-7: Assuming maintenance work – updating new information, removing old information, etc –on the databases is carried out regularly for steady database performance.

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