Team 13 Bi-Weekly Report 4

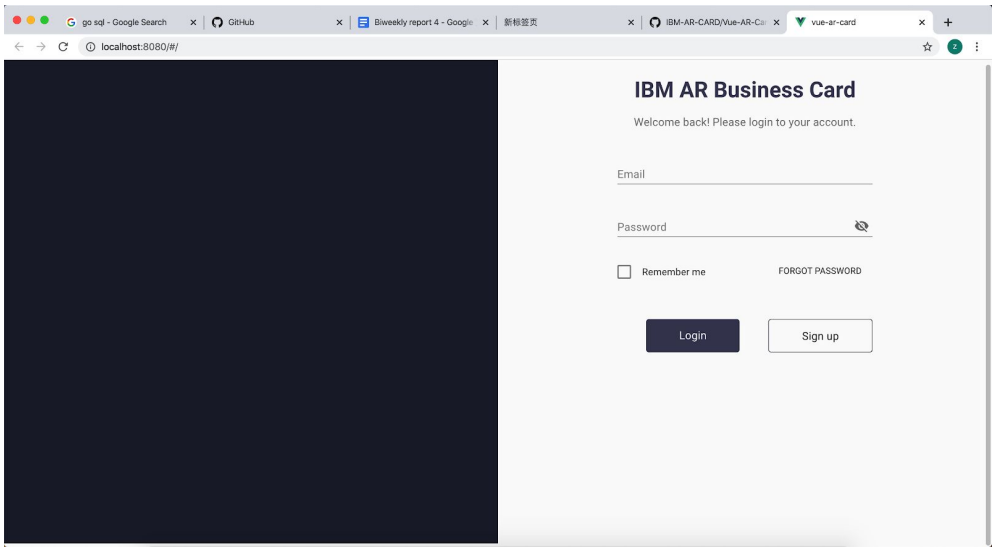
IBM AR Business Card

27 January 2020 - 07 February 2020

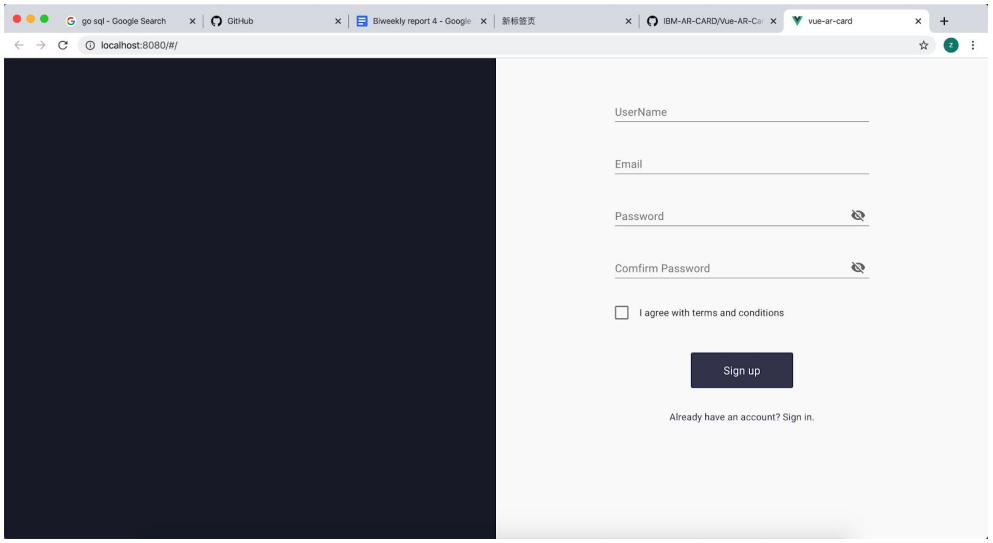
What we have done during the last two weeks

During the last two weeks, we have built the foundation of the website dashboard.
We are working on the web dashboard in functions including user authentication. Meanwhile, the user can log in to their account or create a new account.

Login



Register



For the mobile app, we can now successfully login, signup, and get user's information, including profile, favourite and history list from the backend. We can upload an image as a user profile avatar.

Profile upload

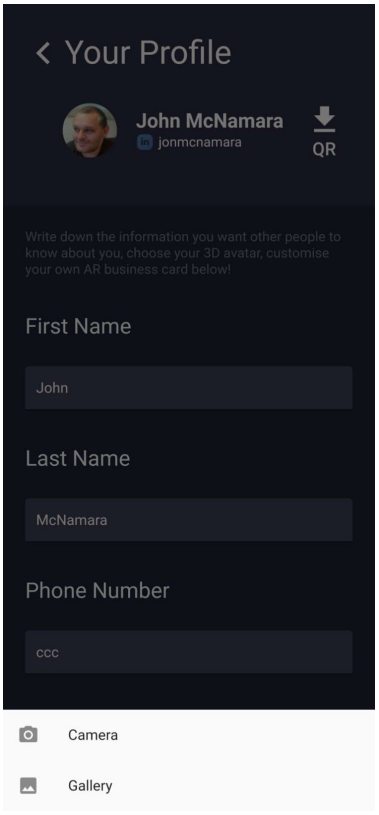
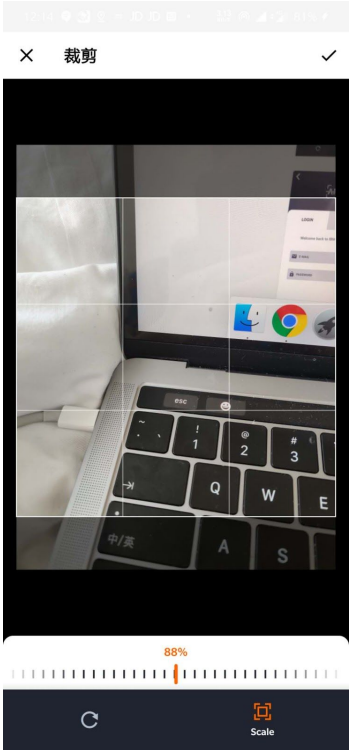
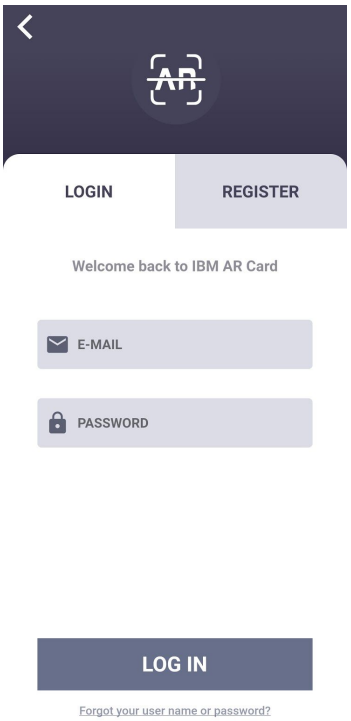


Image clip

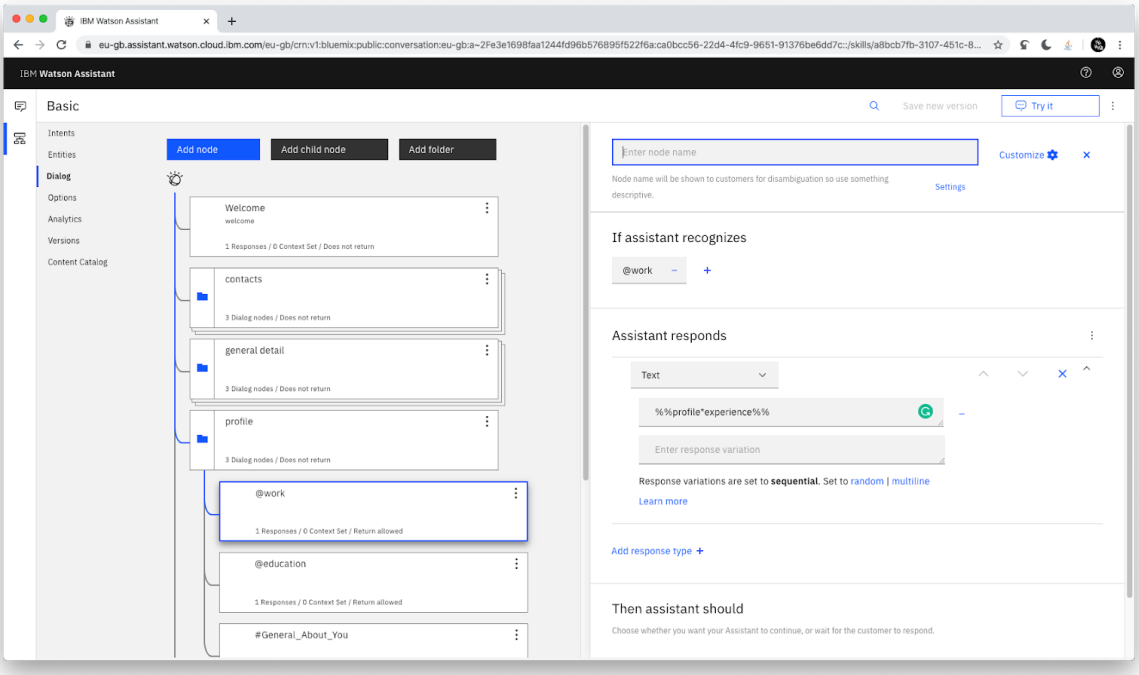


Login



For the backend, we have added the file upload function. Front-end can send image to back-end and it will receive a URL as a success response. Front-end can update user profile avatar using this Image URL.

We have also successfully trained our Watson assistant app, and integrated into our backend. See the report website for more detail.



Estimation of whether the project is running on time

For now, we have finished the foundation of the website dashboard and working on the core functions. For the mobile app, we have added most of the import features that have been mentioned in the feature list. Furthermore, we have connected backend and flutter app successfully.
The progress we have fits the timetable we set at the beginning of this term. Hence we supposed that we could finish our work within the required time.

Problems that need to be resolved before the next report

The unity and scan QR both require camera permission, this could cause the application crash. The code for login page is too complex and buggy, we will try to refractor next week. The web application need to add some transition animation to improve user experience.

Plans for the next two weeks

For the upcoming weeks, we will trying to develop the core features of the web dashboard such as edit personal profile and update information to the backend.
For flutter app, we are trying to complete more ‘should’ features such as chat functions. Then we can chat with our AR avatar.
Finish user profile page for web application
Also, we want to improve the performance of our AR avatar.

Report Summary

What we have done during the two weeks

- Front-end of web dashboard
- User authentication in both web dashboard and mobile app
- Get detailed information about the user in favorite list or history list using mobile app
- Add file upload function, change user profile avatar by mobile app

Problems that need to be resolved before the next report

- Fix camera state in flutter
- Improve login page
- Add animation to web application

Plans for the next two weeks

- develop the core features of the web dashboard
- complete more features in the flutter app
- Improve the unity app
- Add profile page to web application