SWPP-Team6 Progress report

<div align="right">Sprint 3</div>

What we have done

- We almost complete the backend and frontend for signup, sign in page header, but we don't implement appropriate test yet, so we don't merge it.

- We choose JWT token for user authentication and make a backend api.

- We make a plan and scenario for authentication, like token verify and, dealing with expired token

- We implement page header which will included at every page's top.

- We are studying about Sentence2Vec model as DL feature, and plan to apply it to recommending next plan to watch.

- We are studying about how to implement a 'Drag & Drop'.

- We inspect for UI library and choose Material-UI for our project.

What we are planning to do for next sprint

- We will complete the implement of login & sign up page by making appropriate tests.

- We will implement Main page, which will show popular travel plans.

- We will implement Create Travel page with 'Drag & Drop' which is our main functionality

- We will make a DL feature prototype for recommending next plan to watch, and test it.

- We will customize the page design by Material-UI library for our project.

- We will make a user info page, which will show a information of user, and list of plan overview.

Not implemented features

At last sprint, we decided to implement Login, SignUp, Header, My Travel, User Travel features, but we did Login, SignUp, Header features as result. To implement lists of travel page, they need several components like travel period, travel title box, travel detail box, and so on. Each components has common format and sytles which require not a few time to decide. Some features in `Travel` were implemented, but not yet pushed to repository. The whole components will be used in `Travel Create` feature at Sprint4.

Organization issues

We separate the features into independent components as well, but there were still dependency among branches. For example, `package.json` file revised several times, and it is hard to predict what library will be added. Also we thought that the global style guide should be decided as soon as possible. A few change of style caused additional works to redesign component.

The communication of frontend developer and backend developer is important to satisfy `Project Requirements and Specification`. We implemented the backend feature first, but there were some changes when implement the feature in frontend. It will be good way that each teammates manage specific feature and implement backend and frontend.

What tests did we prepare and not testing yet

The test of backend code is easy because each APIs has independent functionality. We focused on security issue about user auth part. This issue was solved with JWT and several test cases about JWT was added. In contrast, the test of frontend feature was hard to organize. Some components that we implemented in this sprint have dependency and the test cases became more complicated. In sprint4, we will separate testcases in each component.

Coverall Report

Overall 81%, (backend 92.54%, frontend 58.6%)

https://coveralls.io/builds/26717922

The reducer of frontend still implements and the test cases were not yet added. Test detail will be added in Sprint4.