Sixth report of Open Banking Data Analysis project

Team 45 11/3/2020

Update from the meeting on 11th Mar:

Progress:

- Share access of github repo to NTT Data colleague in Tokyo
- Asked about what to do with HyperCube excel file
- Shared current progress including data categorisation and visuals on categorised transaction page and algorithm running for current account that has not been presented on the front end yet.
- Explained our method of categorisation
- After careful consideration, we decided not to include savings accounts in our app.

Suggestions:

- Date should be more presentable
- Amount presented should have pound symbol and a comma sign for thousands
- The UI should show a balance that actually reflects the data
- Have a dropdown calendar that allows user to specify the date range they want to check their balance and transactions
- The ability to see all transactions with the same name in the past several months and calculate the sum, such as electricity and gas in the last three months.
- Should have a summary page that allows users to see their financial data with one glance.
- Put a time element in the whole web app that allow users to select a time
- To improve the current prediction function, we could start with spending in the past one month first, then try to increase timeframe for better predictions
- Instead of static numbers, make sure it actually reflects data, e.g. balance

Individual Progress and Plan:

Raghib:

Progress:
- Wrote full front end and back end to set caps and budgets for each category and aggregate data.
- Created full distinction between credit and current accounts on the website.
- Added jQuery and Javascript widgets to allow date range selections
- Made page for caps and summary of all accounts with Yuheng, with dashboards that give user spending notifications and outline financial status

Yuheng:

Progress:
- Implemented credit card data and calculation for credit card
- Wrote function for credit card spending patterns and also amount a user should pay
- Wrote the summary page with financial data a user should know
- Started system testing to find bugs
- Wrote the cap percentage display for caps

Plan:
- Finish the bill reminders and overdraft alert
- Finalise the web app
- Deploy the web app on the virtual machine
- Conduct different testings on the web app

Lib Kai:

Progress:
- Implemented Chart.js graphs
- Completely generated sample open banking data

Plan:
- Complete visualisations to be dynamic, using data processed in our backend
- Format numbers
- Implement caps UI
- Implement bill reminders and overdraft alerts
- Continue to update our web app visuals