WEEK 4

- *Start up*
  - Choose the major language for front-end: ReactJS
  - Know about the React Hooks
- *Transaction*
  - Use Hooks: get the transaction information (static value from local json file)
  - Use 'useContext', 'useState' and 'useEffect' to create global variables for other features in transaction
  - Calculate the total balance, income, and expense from all transaction
  - Debug the Provider problem and use 'fetch' to get transaction from given API from Ken
  - Add new transaction contained date, category, and amount (+ for income, - for expense)
  - Add common header bar and navigation bar, and set up the React router to make our website shows transaction and budget page

WEEK 5

- *Transaction*
  - Ask Ken to create a new endpoint for addTransaction and deleteTranscation
  - Add account, export icon to navigation bar
  - Create a new page for add new transaction
  - Fetch the API and send the new transaction data to database
  - Create a new button to delete a transaction in tracker and delete the data in database successfully
  - Use the notification component from 'ant design', let add and delete has the notice to tell the users success or fail
  - Use drawer windows to instead of a new page for add transaction
- *Export*
  - Export: CsvDownload to download the transaction data from the fetch
  - Debugging the export issue: the data does not show up

WEEK 6

- *Login/Register*
  - Get the ideas from login and register page from material-ui and then write the similar page for our project
  - Upload our logo design and show in the login page
  - Make the router are correct for login and tracker/budget pages
  - The header also appears in login page and fix this issue
  - Add the register page and add its router in project
  - The validation in login page, error message comes up when entering invalid user email and invalid password – static account: admin, password: admin
  - Fixed the 'cors' issue for the login validation, fetch fail from database
- *Tracker/Budget*
  - Let the tracker shows corresponding transaction list depending on vary users
  - Add select to choose different month for tracker

WEEK 7

- *Tracker/Budget*
  - The budget cannot catch the data from tracker since the budget is not the children of tracker.

Thus, the hooks from tracker cannot send the global variable to budget. User React-cookie to fix this problem

- The cookie is limited memory. Add an exit icon to logout and clean the cookie
- Add the endpoint for addTracker and addBudget in backend. New endpoint: UserID
- Update the database for tracker and budget. Make sure all data have a new schema: UserID
- The category in add tracker window. Achieve this input could show the existing category and use ‘autoComplete’ that could select the old category or input a new category

■ *Currency*

- Find an existing API to get the currency type and rate online
- Add a select to change the currency
- Make sure the amount in tracker and budget could change when the currency is changed and use the cookie to store the currency name and rate list
- Fix: the value is NaN when the user login the page since the currency is not initialized
- Let the income/expend/balance in transaction and spent in budget update by the selected currency

WEEK 8

■ *localStorage*

- Use the localStorage to save the transaction list since cookie comes full once the data over 20 (limited memory)
- The localStorage is not working in other members laptop. Change back to cookie
- Let the cookie just store the currency rate not the rate list

■ *Endpoints*

- Add a new collection ‘UserInfo’ in Mongo database
- Add new endpoints to CRUD of ‘User Info’ in backend
- Add a new collection ‘reminder’ in Mongo database
- Add new endpoints for CRUD in reminder

WEEK 9

■ *Debugging and Improvement*

- The amount in add transaction is AUD not the selected currency – fix
- Use trash icon to replace the delete button ‘x’ in tracker, budget, and notice page
- The transaction list shows the currency name after the amount
- Switch the color of income and expense in pie chart. Before: red for income and green for expense. After: red for expense and green for income
- Edit the format of some necessary text, such as, enlarge ‘YOUR BALANCE’ text size
- Let the same components use the same color (consistence), such as, button use the same blue color
- The text link in the left side and the icons show in right side in navigation bar. Before: they all in the right side
- Add our logo in top-left
- Put the currency in account page
- Add select (income/expense) in add transaction page to instead input positive/negative numbers
- The autocomplete for category in add transaction page has issue in it since the ant design has their new update. They are not going to use dataSources. Use the ‘options’ to fix it
- In account page, the image and name show up depending on login user