SE-TO HO MAN

PROGRAMMER/ FULL STACK WEB DEVELOPER

DETAILS

PHONE
60177597

EMAIL
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SKILLS

HTML & CSS

Bootstrap 4 & Sass

JavaScript & ES6

React & Redux

Node.js & Express.js

NoSQL & MongoDB

SQL & PostgreSQL

LANGUAGES

Cantonese

English

Mandarin

PROFILE

As a self-learning programmer, I have developed outstanding problem-solving skills and able to work independently. Moreover, I am used to cooperating with various parties and prepare technical reports in my present job. Those experiences help me to fit in this role.

Github-Link: https://github.com/homanseto

PROJECTS

Water-Polo Club

LINK: https://waterpoloclub.herokuapp.com/

This app allows users to search courses, add bookmarks, update self-information, make the payment, upload files, and the app authorizes an administrator to modify courses and events, track the number of applicants, etc.

BACK-END:

The server is created with **Node.js** and **Express.js,** and the database is **NoSQL** and is serviced by **MongoDB**.

1) According to MVC and REST architecture to separate the app into Model, Controller, and Views(FRONT-END), and use routes to delegate requests to the current handler function

2) Utilize **Mongoose** to create schemes(users, courses, bookings, events), wrap them into models, and structure reference types and the relationship between data

3) Implement authentication and authorization via JWT and send it by cookie(securer than local storage)

4) Set protected middle-ware for actions need authorization(change password, login/logout, add/delete courses or events, payment ,etc)

FRONT-END:

The Front-End is created with **React**, **Redux**, and **CSS**

1) Split the user interfaces into independent components(user page, admin page, course page, etc.), and wrap all of them into App component

2) Separate each component into a single file to maintain the readability and scalability

3) Utilize **Redux** to facilitate communication (fetch API) and sharing of data across components

4) Store user information (username, user-type, email, etc.) into local storage to reduce the need to request content from a server

Deploy the app as a single page web to Heroku

Recipes Engine

LINK:https://receipes-engine.netlify.app/

This project is created with **HTML**, **CSS**, and **JavaScript**. As a user, you can search recipes, update the number of servings, bookmark recipes, create your recipes, etc.

1) Decide the features and the flowchart for the application, and separate various files into different folders to maintain the app readable and scalable

2) According to MVC architecture, divide the code into three primary parts Model, Controller, and Views

3) Model contains business logic (upload recipes, get search results, add bookmarks, load recipes, etc.), state of all the data, and HTTP library(fetch data from API)

4) Controller contains the application logic(handle events and bridge between model and views)

5) Views contain presentation logic (the visible part of the application)

6) According to Publisher-Subscriber Pattern, to create addhandlers function in views' code and pass controller functions in it

7) Utilize Parcel to bundle all the assets and deploy the app on Netlify

EDUCATION

Bachelor of Mechanical Engineering, Monash University Melbourne

Mar 2015 — Jul 2018