

Frontend documentation

This is a documentation for the front-end application of the SENG3011 project

Installation

The front-end application is built with JavaScript React framework, to run the frontend application you must first confirm that you have **Node JS**, **React** and **Yarn** installed on your machine.

yarn install

Installation command for the dependencies packages required for this particular frontend application. Run it once after cloning the application.

yarn start

Start command for booting up the application in localhost. Once run, user can then access the application via the specified port number (usually 3000)

File Structures

The frontend code base is mainly located in three folders, namely "Pages", "Constants" and "Components".

The "Pages" folder contains JavaScript files for different pages of the application, each of these pages is presented on a unique route of the server.

The "Constants" folder contains utilities and configuration files for the application. The contents laid within these files are commonly shared by multiple other files in different folders.

The "Components" folder contains reusable components for the application.

Theoretically speaking, there should be an "Assets" folder to group all the assets for the application, however the application as it stands right now does not contain any assets. If any addition of assets is required in future implementation, the "Assets" folder should be created and put into use.

API Usage

The application as it stands uses four APIs in total

SENG3011 LetsHD API for retrieving related report and risk ranking for Countries around the world

SENG3011-Dwen API for fetching a list of common disease and their corresponding symptoms and affected areas

COVID19 API for fetching daily updates on COVID situation around different Countries

Google GeoCoder API for converting location names into its corresponding longitude and latitude

Working With Frontend

If further work is required to be done on the application, developer should create their own feature branch following the name convention “frontend/[feature]” using the GitHub version control tool