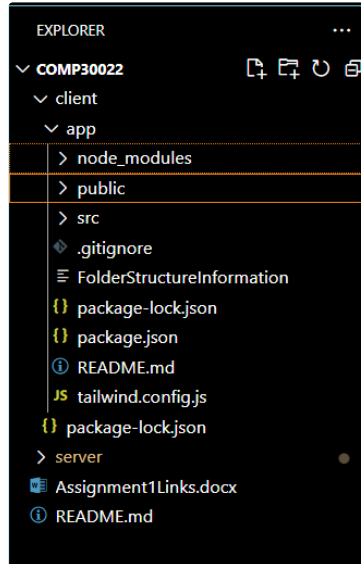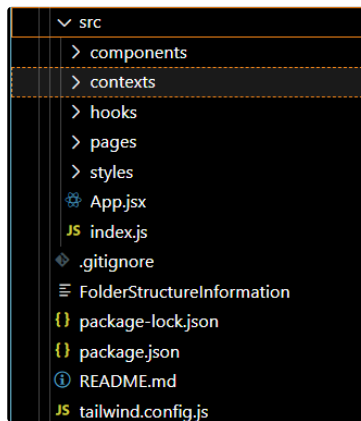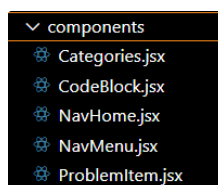# 🧑‍💻 Coding Standard Document

Client Directory:

This directory contains all the files, subdirectories and data required for the front-end aspect of this project.
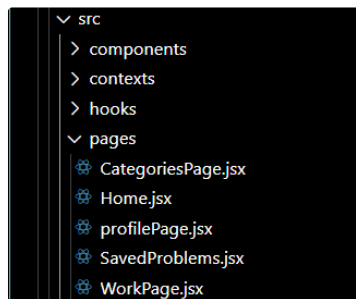
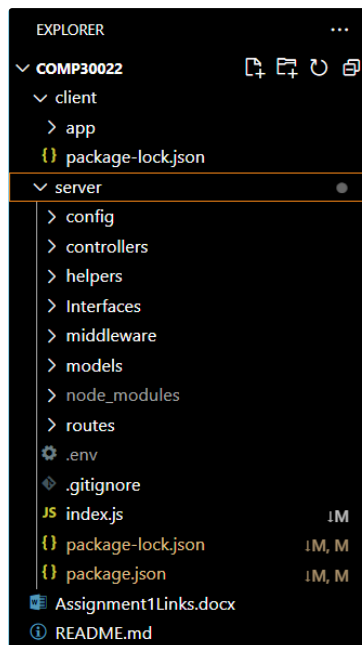**/client/app/src :** This subdirectory contains folders that make up the front-end.

React Components can be found in **/client/app/src/components**. Any additional react components to be added to front-end can be added here.

/client/app/src/pages is the directory in where each page from website is found. Here currently we have 5 pages for the website so we have 5 webpages. Any additional webpages can be added here.

Server Directory:

This directory contains all the files, subdirectories and data required for the back-end aspect of this project.

/config: contains configuration files for the server. database connections. environment variables. server settings

/controllers: logic for handling requests and responses. contain main business logic of application

/helpers: contains utility functions or helper modules used across different parts of server application

/interfaces: contain TypeScript interfaces or type definitions (if TypeScript is used)

/middleware: contains middleware functions that process requests before they reach the route handlers. authentication, logging, error handling

/models: data models or schemas, used for database interactions or defining the structure of data in the application

/node_modules: where npm installs 3rd part dependencies for the server

/routes: contains files that define the API routes and endpoints of the server application

/.env: environment file for storing sensitive configuration variables that shouldn't be committed to version control

index.js main entry point for the server application.

1. Readability
    a. Making sure that filenames are written in PascalCase. For Example "CategoriesPage".
    b. Code Formatting:
        i. Line Length: maximum of 80-100 characters per line for readability
        ii. Indentation and whitespace.
2. Maintainability
    a. Making sure every function is well commented.
    b. Documentations on confluence.
    c. Make sure to have inline comments to explain functions and significant lines of code.
3. Reusability
    a. All front-end components could be reused in the different webpages.
    b. Significant components include "NavHome" which is the navigation bar used for the interface.

Testing

Testing procedures and Project Setup can be found in this directory: Testing And Project Setup