**Full Stack Development with MERN**

**Frontend Development Report**

|  |  |
| --- | --- |
| Date | 12 July 2024 |
| Team ID | SWTID1719933836 |
| Project Name | Connectify |
| Maximum Marks |  |

**Project Title: Connectify**

Date: 12 July 2024

Prepared by: Aakarsh Sinha

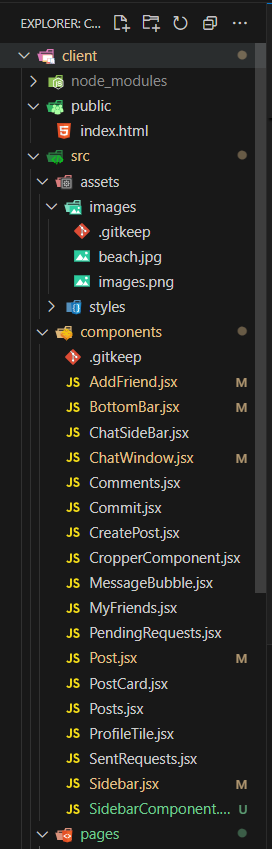
**Objective**

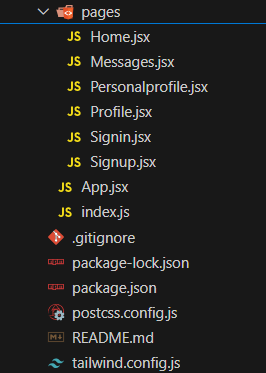
The objective of this report is to document the frontend development progress and key aspects of the user interface implementation for the Connectify project.

**Technologies Used**

* **Frontend Framework:** ReactJS, Tailwind
* **State Management:** Local State (Hooks)
* **UI Framework/Libraries:** Bootstrap, React Router
* **API Libraries:** mongoose, socket.io, axios, body-parser, cors, JWT(jsonwebtoken), express-validator, Postman

**Project Structure**

****

****

**Key Components**

1. **App.js**
   * Responsible for routing and main application layout.
2. **/components**
   * Contains reusable UI components used across the application.
3. **/pages**
   * Includes different pages for Web App.

**Routing**

Routing is managed using React Router. Here are the main routes:

* **/home** - Landing page of the application.
* **/dashboard** - Dashboard displaying user data and statistics.
* **/profile** - User profile management.

**State Management (If Applicable)**

State management is achieved using [Redux/Context API].

**Integration with Backend**

The frontend communicates with the backend APIs hosted on [backend URL]. Key endpoints include:

* **GET /api/data** - Retrieves data for display.
* **POST /api/user/login** - Handles user authentication.

**User Interface (UI) Design**

* The UI design follows a [describe design principles].
* Implemented using [UI framework/library].

**Third-Party Integrations (If any)**

* [List any third-party libraries or services integrated].