**VALLIAMMAL COLLEGE FOR WOMEN**

**Department of Computer Appilications**

**Project Title: SB Fitzz..(react)**

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**SB Fitzz.. (React Application)**

**Introduction:**

🏋️‍♂️ Welcome to the forefront of fitness exploration with SB Fitzz! Our innovative fitness app is meticulously designed to revolutionize the way you engage with exercise routines, catering to the diverse interests of both fitness enthusiasts and seasoned workout professionals. With a focus on an intuitive user interface and a comprehensive feature set, SB Fitzz is set to redefine the entire fitness discovery and exercise experience.

**Features of Fiteness app:**

* **Exercises from Fitness API:** Access a diverse array of exercises from reputable fitness APIs, covering a broad spectrum of workout categories and catering to various fitness goals.
* **Visual Exercise Exploration:** Engage with workout routines through curated image galleries, allowing users to explore different exercise categories and discover new fitness challenges visually.
* **Intuitive and User-Friendly Design:** Navigate the app seamlessly with a clean, modern interface designed for optimal user experience and clear exercise selection.
* **Advanced Search Feature:** Easily find specific exercises or workout plans through a powerful search feature, enhancing the app's usability for users with varied fitness preferences.

**PRE-REQUISITES**:

Here are the key prerequisites for developing a frontend application using React.js:

* **Node.js and npm**:

Node.js is a powerful JavaScript runtime environment that allows you to run JavaScript code on the local environment. It provides a scalable and efficient platform for building network applications.

Install Node.js and npm on your development machine, as they are required to run JavaScript on the server-side.

* Download: <https://nodejs.org/en/download/>
* Installation instructions: <https://nodejs.org/en/download/package-manager/>
* **React.js**:

React.js is a popular JavaScript library for building user interfaces. It enables developers to create interactive and reusable UI components, making it easier to build dynamic and responsive web applications.

Install React.js, a JavaScript library for building user interfaces.

* Create a new React app:

npx create-react-app my-react-app

Replace my-react-app with your preferred project name.

* Navigate to the project directory:

cd my-react-app

* Running the React App:

With the React app created, you can now start the development server and see your React application in action.

* Start the development server:

npm start

This command launches the development server, and you can access your React app at [http://localhost:3000](http://localhost:3000%20) in your web browser.

* **HTML, CSS, and JavaScript**: Basic knowledge of HTML for creating the structure of your app, CSS for styling, and JavaScript for client-side interactivity is essential.
* **Version Control**: Use Git for version control, enabling collaboration and tracking changes throughout the development process. Platforms like GitHub or Bitbucket can host your repository.

• Git: Download and installation instructions can be found at: <https://git-scm.com/downloads>

* **Development Environment**: Choose a code editor or Integrated Development Environment (IDE) that suits your preferences, such as Visual Studio Code, Sublime Text, or WebStorm.

• Visual Studio Code: Download from <https://code.visualstudio.com/download>

• Sublime Text: Download from <https://www.sublimetext.com/download>

• WebStorm: Download from [https://www.jetbrains.com/webstorm/download](https://www.jetbrains.com/webstorm/download%20)

To get the Application project from drive:

Follow below steps:

* **Get the code:**

• Download the code from the drive link given below:

<https://drive.google.com/drive/folders/14f9eBQ5W7VrLdPhP2W6PzOU_HCy8UMex?usp=sharing>

**Install Dependencies:**

• Navigate into the cloned repository directory and install libraries:

cd fitness-app-react

npm install

* **Start the Development Server**:

• To start the development server, execute the following command:

npm start

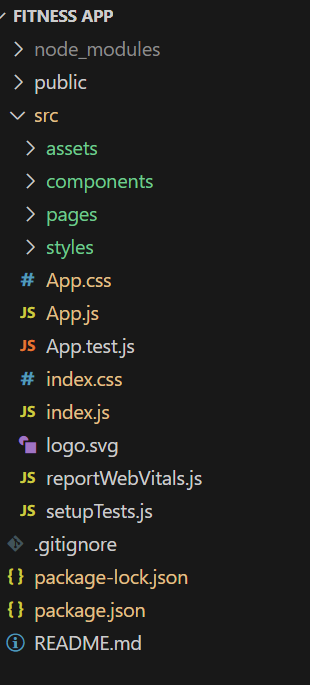
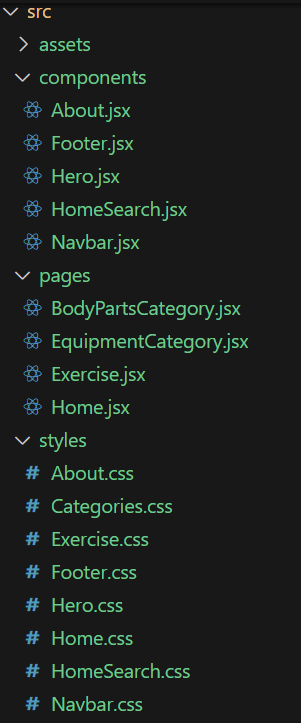
**Access the App:**

• Open your web browser and navigate to [http://localhost:3000](http://localhost:3000/).

• You should see the application's homepage, indicating that the installation and setup were successful.

You have successfully installed and set up the application on your local machine. You can now proceed with further customization, development, and testing as needed.

**Project structure:**

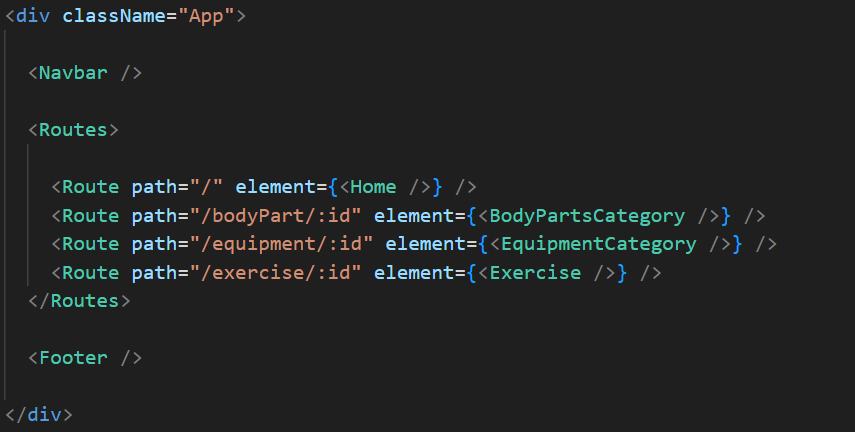
In this project, we’ve split the files into 3 major folders, *Components, Pages and Styles.* In the pages folder, we store the files that acts as pages at different URLs in the application. The components folder stores all the files, that returns the small components in the application. All the styling css files will be stored in the styles folder.

**Project Flow:**

**Milestone 2: Project Development**

* Setup the Routing paths

Setup the clear routing paths to access various files in the application.Ex:



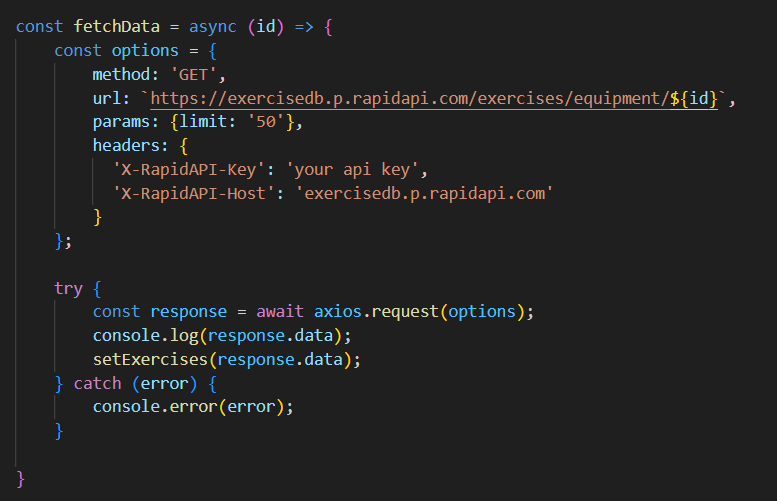
* Develop the Navbar and Hero components
* Code the popular search/categories components and fetch the categories from ***rapid Api***.
* Additionally, we can add the component to subscribe for the newsletter and the footer.
* Now, develop the category page to display various exercises under the category.
* Finally, code the exercise page, where the instructions, other details along with related videos from the YouTube will be displayed.

**Important Code snips:**

* **Fetching available Equipment list & Body parts list**

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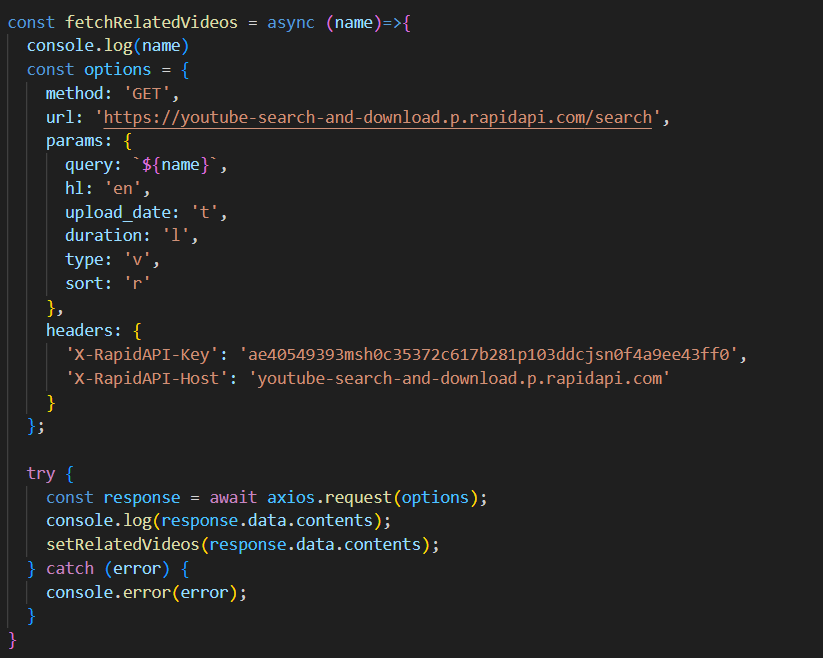
**Fetching exercises under particular category**

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* **Fetching Exercise details**

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* **Fetching related videos from YouTube**

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\*\*thank you\*\*