

# Frontend Development with React.js

## Project Documentation format

1. **Introduction** o **Project Title:** Fit flex: Your Personal Fitness Companion
  - o **Team Leader:** Sangeetha G o **Team Members:**  
Sangeetha R  
Madhumitha E  
Rajalakhshmi M  
Mythili R B
2. **Project Overview** o **Purpose:** Briefly describe the purpose and goals of the project.
  - o **Features:** Highlight the key features and functionalities of the frontend.
3. **Architecture** o **Component Structure:** Outline the structure of major React components and how they interact.
  - o **State Management:** Describe the state management approach used (e.g., Context API, Redux).
  - o **Routing:** Explain the routing structure if using react-router or another routing library.
4. **Setup Instructions** o **Prerequisites:** List software dependencies (e.g., Node.js).
  - o **Installation:** Provide a step-by-step guide to clone the repository, install dependencies, and configure environment variables.
5. **Folder Structure** o **Client:** Describe the organization of the React application, including folders like components, pages, assets, etc.
  - o **Utilities:** Explain any helper functions, utility classes, or custom hooks used in the project.
6. **Running the Application** o Provide commands to start the frontend server locally. ▪ **Frontend:** npm start in the client directory.
7. **Component Documentation** o **Key Components:** Document major components, their purpose, and any props they receive. o **Reusable Components:** Detail any reusable components and their configurations.
8. **State Management** o **Global State:** Describe global state management and how state flows across the application.
  - o **Local State:** Explain the handling of local states within components.
9. **User Interface** o Provide screenshots or GIFs showcasing different UI features, such as pages, forms, or interactions.
10. **Styling**
  - **CSS Frameworks/Libraries:** Describe any CSS frameworks, libraries, or pre-processors (e.g., Sass, Styled-Components) used.
  - **Theming:** Explain if theming or custom design systems are implemented.

## 11. Testing

- **Testing Strategy:** Describe the testing approach for components, including unit, integration, and end-to-end testing (e.g., using Jest, React Testing Library).
- **Code Coverage:** Explain any tools or techniques used for ensuring adequate test coverage.

## 12. Screenshots or Demo

- Provide screenshots or a link to a demo showcasing the application's features and design.
- <https://drive.google.com/file/d/1xwCP93Hrg4sAHixiuSbIwzcWsTsPEAWl/view?usp=sharing>

## 13. Known Issues

- Document any known bugs or issues that users or developers should be aware of.

## 14. Future Enhancements

- Outline potential future features or improvements, such as new components, animations, or enhanced styling.