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| Project Name : Booknest where stories nestle |

PRE REQUISITES

To develop a full-stack Book Store App using React js, Node.js, Express js and MongoDB, there are several prerequisites you should consider. Here are the key prerequisites for developing such an application:

Node.js and npm: Install Node.js, which includes npm (Node Package Manager), on your development machine. Node.js is required to run JavaScript on the server side.

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

MongoDB: Set up a MongoDB database to store hotel and booking information. Install MongoDB locally or use a cloud-based MongoDB service.

- Download: <https://www.mongodb.com/try/download/community>
- Installation instructions: <https://docs.mongodb.com/manual/installation/>

Express.js: Express.js is a web application framework for Node.js. Install Express.js to handle server-side routing, middleware, and API development.

- Installation: Open your command prompt or terminal and run the following command: `npm install express`

React js: React is a JavaScript library for building client-side applications.

And Creating Single Page Web-Application

Getting Started

Create React App is an officially supported way to create single-page React applications. It offers a modern build setup with no configuration.

Quik Start

```
npm create vite@latest
```

```
cd my-app
```

```
npm install
```

```
npm run dev
```

If you've previously installed create-react-app globally via `npm install -g create-react-app`, we recommend you uninstall the package using `npm uninstall -g create-react-app` or `yarn global`

remove create-react-app to ensure that npx always uses the latest version.

Create a new React project:

- Choose or create a directory where you want to set up your React project.
- Open your terminal or command prompt.
- Navigate to the selected directory using the cd command.
- Create a new React project by running the following command: `npx create-react-app`

`your-app-name`. Wait for the project to be created:

- This command will generate the basic project structure and install the necessary dependencies

Navigate into the project directory:

- After the project creation is complete, navigate into the project directory by running the following command: `cd your-app-name`

Start the development server:

- To launch the development server and see your React app in the browser, run the following command: `npm run dev`
- The npm start will compile your app and start the development server.
- Open your web browser and navigate to <https://localhost:5173> to see your React app.

You have successfully set up React on your machine and created a new React project. You can now start building your app by modifying the generated project files in the src directory.

Please note that these instructions provide a basic setup for React. You can explore more advanced configurations and features by referring to the official React documentation:

<https://react.dev/>

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.

Database Connectivity: Use a MongoDB driver or an Object-Document Mapping (ODM) library like Mongoose to connect your Node.js server with the MongoDB database and perform CRUD (Create, Read, Update, Delete) operations.

Front-end Library: Utilize React to build the user-facing part of the application, including products listings, booking forms, and user interfaces for the admin dashboard.

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>