**PRE-REQUISITES**

To develop a full-stack flight booking app using React JS, Node.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 using 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.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. To install React.js, a JavaScript library for building user interfaces, follow the installation guide: <https://reactjs.org/docs/create-a-new-react-app.html>

**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 Framework:** Utilize Angular to build the user-facing part of the application, including product 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://gitscm.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>

**To run the existing Flight Booking App project downloaded from github:**

Follow below steps:

**Clone the repository:**

* Open your terminal or command prompt.
* Navigate to the directory where you want to store the e-commerce app.
* Execute the following command to clone the repository:

**Git clone:** <https://github.com/harsha-vardhan-reddy-07/Flight-Booking-App-MERN>

**Install Dependencies:**

* Navigate into the cloned repository directory:

**cd Flight-Booking-App-MERN**

* Install the required dependencies by running the following command:

**npm install**

**Start the Development Server:**

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

**npm run dev or npm run start**

* The e-commerce app will be accessible at [http://localhost:3000](http://localhost:3000/) by default. You can change the port configuration in the .env file if needed.

**Access the App:**

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

• You should see the flight booking app's homepage, indicating that the installation and the setup was successful.

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