

Deployment Guidance - Starting the System on PC

Introduction

This document provides step-by-step instructions on how to deploy the Hotel Management System, a React app, on your PC. Ensure that you have the necessary prerequisites installed before proceeding.

Prerequisites

1. Node.js and NPM:

- Make sure you have Node.js installed on your PC. You can download it from <https://nodejs.org/>.
- npm (Node Package Manager) is included with Node.js. Check the npm version using the command:

```
npm -v
```

2. Git:

- Install Git from <https://git-scm.com/>.

3. MongoDB:

- Install MongoDB locally or set up a remote MongoDB instance. You can download MongoDB from <https://www.mongodb.com/try/download/community>.
- Make sure MongoDB is running before proceeding.

4. Code Editor:

- Choose a code editor of your preference. [Visual Studio Code](#) is recommended.

Deployment Steps

1. Clone the Repository:

- Open a terminal and run the following command to clone the repository:

```
git https://github.com/Shahzaib-Irfan/Second-Monal-Hotel.git
```

2. Navigate to Project Directory:

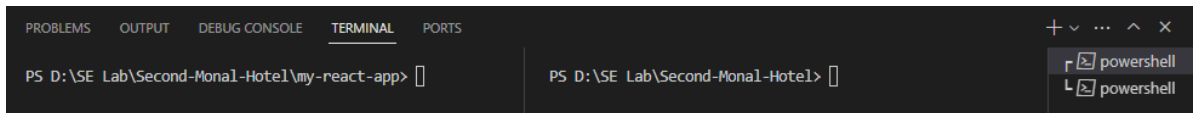
- Change your working directory to the project folder:

```
cd my-react-app          //for the starting of the website
PS D:\SE Lab\Second-Monal-Hotel\my-react-app> // for the frontend
```

- 3. ◦ Split your terminal of the visual studio code for the backend also:

```
PS D:\SE Lab\Second-Monal-Hotel>
```

```
//by default for the backend
```



4. Install Dependencies:

- Run the following command to install project dependencies:

```
npm install
```

5. Configure Environment Variables:

- Set up environment variables for MongoDB connection. Navigate to the db.js file in the project folder:

```
mongoose.connect('mongodb://127.0.0.1:27017/SecondMonal' , {  
  useNewUrlParser:true,  
});
```

Replace the MongoDB URI with your specific configuration.

6. Build the Project:

- Build the React app using:

```
npm run build
```

7. Start the Server:

- Start the development server:

```
npm start
```

8. Access the Application:

- Open your web browser and navigate to <http://localhost:3000> to access the Hotel Management System.
- In the terminal of the *D:\SE Lab\Second-Monal-Hotel\my-react-app*:

```
npm start // for starting the project
```

- In the terminal of the *D:\SE Lab\Second-Monal-Hotel*:

```
npm run serve // for starting the backend server
```

Conclusion

Congratulations! You have successfully deployed the Hotel Management System on your PC with MongoDB integration. For any troubleshooting or additional configuration, refer to the project documentation or seek assistance from the project's support channels.