

Task:

Hotel Room Reservation System

The following is the description of assignment for candidate:

Technological stack, which preferable to be used:

1. create-react-app
2. ReactJS life cycle methods or hooks, doesn't matter
3. redux + middleware (like Thunk, Saga etc.)
4. Routing
5. Dummy backend implementation (if candidate has experience with some backend technology, then it can be used), or use json files or online mock servers.
6. SCSS or JSS
7. React-Bootstrap or any library

NOTE: if candidate doesn't have experience with ReactJs, can use another UI frameworks, but not SSR, such as ASP, JSP, PHP etc. If no experience in UI frameworks at all, native JavaScript is also ok.

We need implement simple Hotel Room Reservation system. It should be multiuser application, with authentication and authorization in place. Hotel manager after **login in**, will see the **Dashboard page**. Main operations which can be done from **Dashboard page**

- a) open "**Reservation List**" page
- b) "**New Reservation**" button.

To add **new reservation**, manager should press on "**New Reservation**" button. Application will **redirect** user to **New Reservation Form**. After editing all mandatory fields and selecting the room from **list of available rooms**, user will save the data. If some error occurs, then error message box should appear. If saved successfully, application should be redirected to "**Reservation List**" page. The new reservation can be also added from "**Reservation List**" page.

To **edit** the reservation, user should open the list of reservations, then pick up the reservation. He/she be **redirected** to "**Reservation Edit Form**" page. User should be able to **revert** changes before saving. After successfully updating, user should be redirected to "**Reservation List**" page again.

Current user **can't modify** the reservation created by another user.

Nice to have **CreatedReservationDate** and **UpdatedReservationDate** field in the "**Reservation List**" page. Also, field to add Note on "Edit/Add Reservation Form" page.

Please make the pages responsive in some degree.

Please upload project with "How to run" to github.com and send link to us.