Rooms and halls Booking site of College (Prototype)

Description of the project:

To automate the process of class room and hall booking for conducting exams I have developed a web application. It helps to maintain the records of booking and helps to find the status of the rooms which are booked under each building easily. To avoid manual sorting and finding of user's data , it also helps the users to book the exam hall in our college easily.It is a prototype application it needs to be changed as per real implementation.

Technologies used:

- MEAN stack was used to develop this application
- Frontend: Angular Js (Angular Material)
- Backend: Node JS - Express
- Database: Mongodb

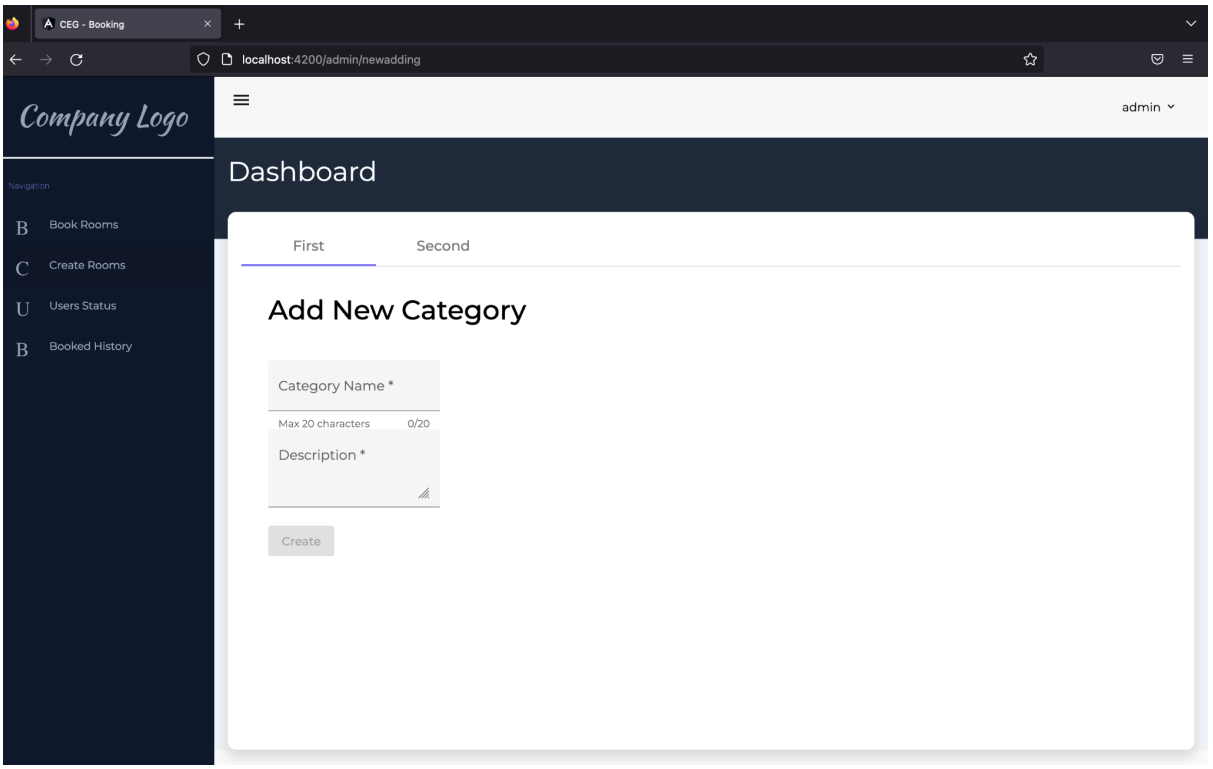
Functionalities:

➔ **Admin**

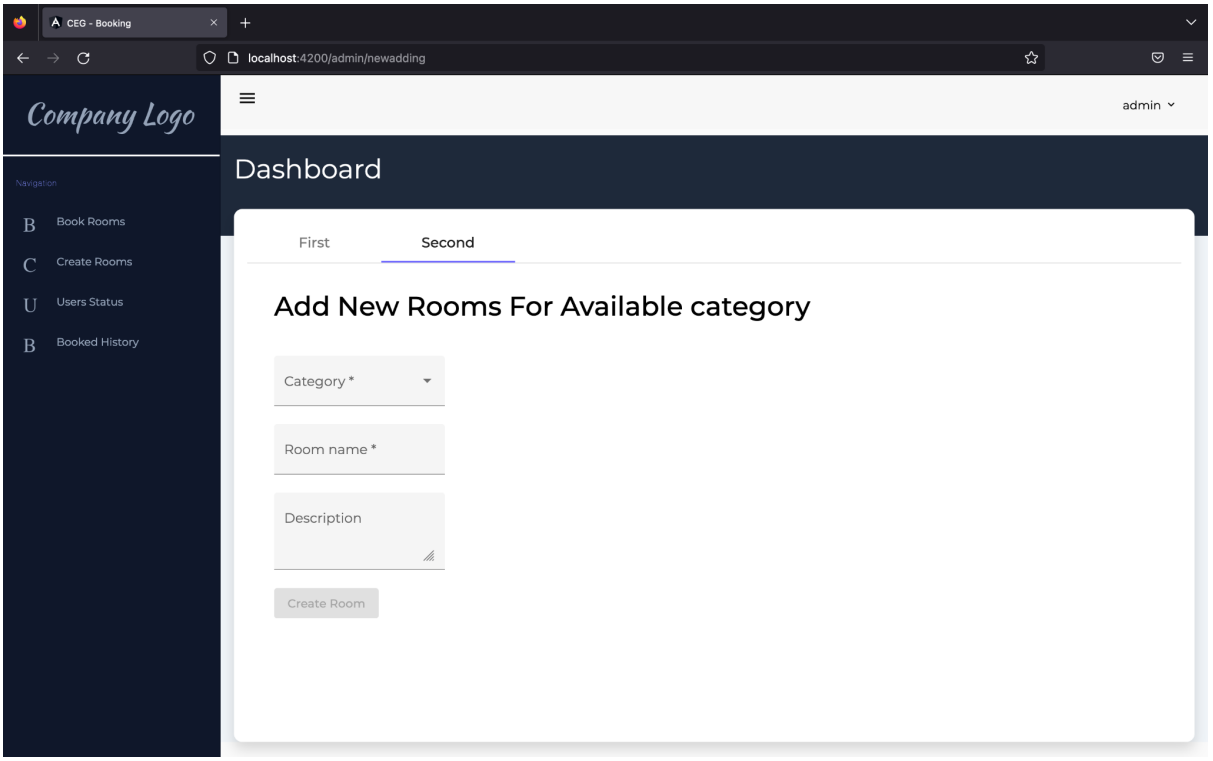
- Admin can add new category under the added category,the admin can add unique new rooms.

- Admin can also book rooms on particular date and the time slot based on the availability.
- In the available room list, the already booked rooms won't get displayed, if user enters invalid time or if any time clash occurs ,it won't show any results.
- Admin can obtain the user status which contain the list of user booking and the admin have option to reject the booking of user.

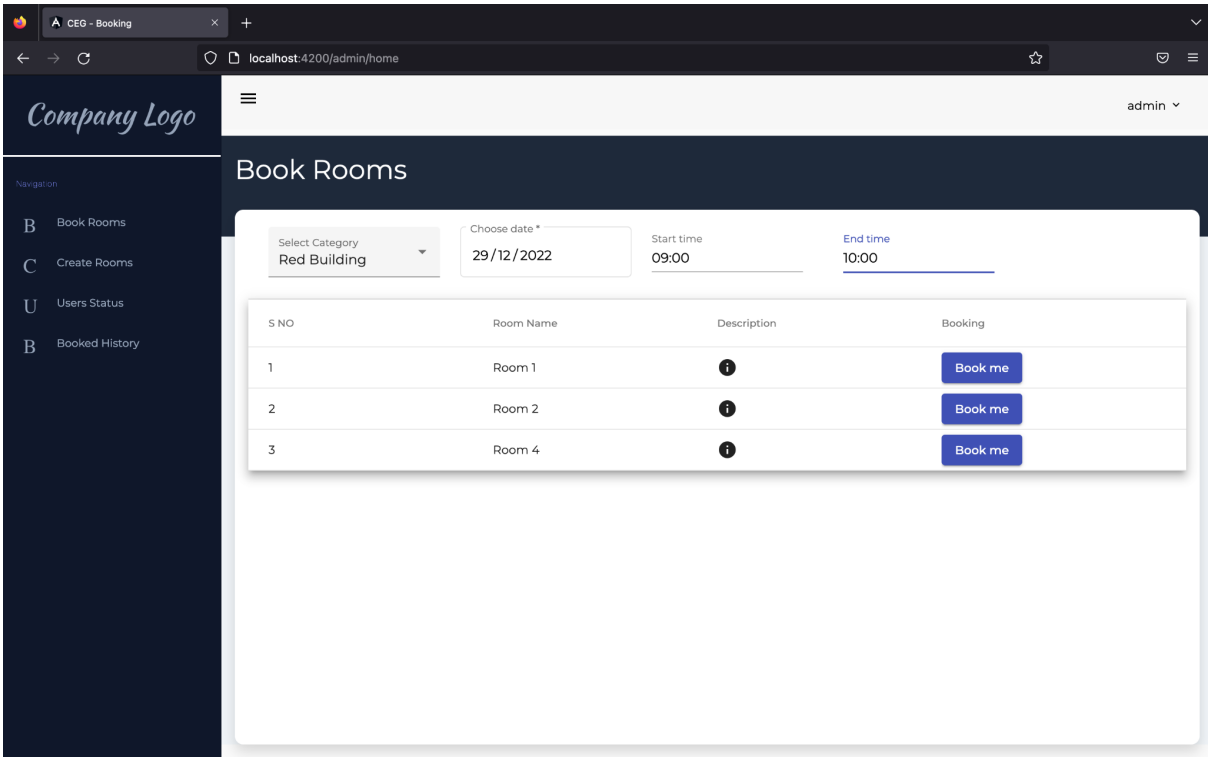
To add new Buildings :



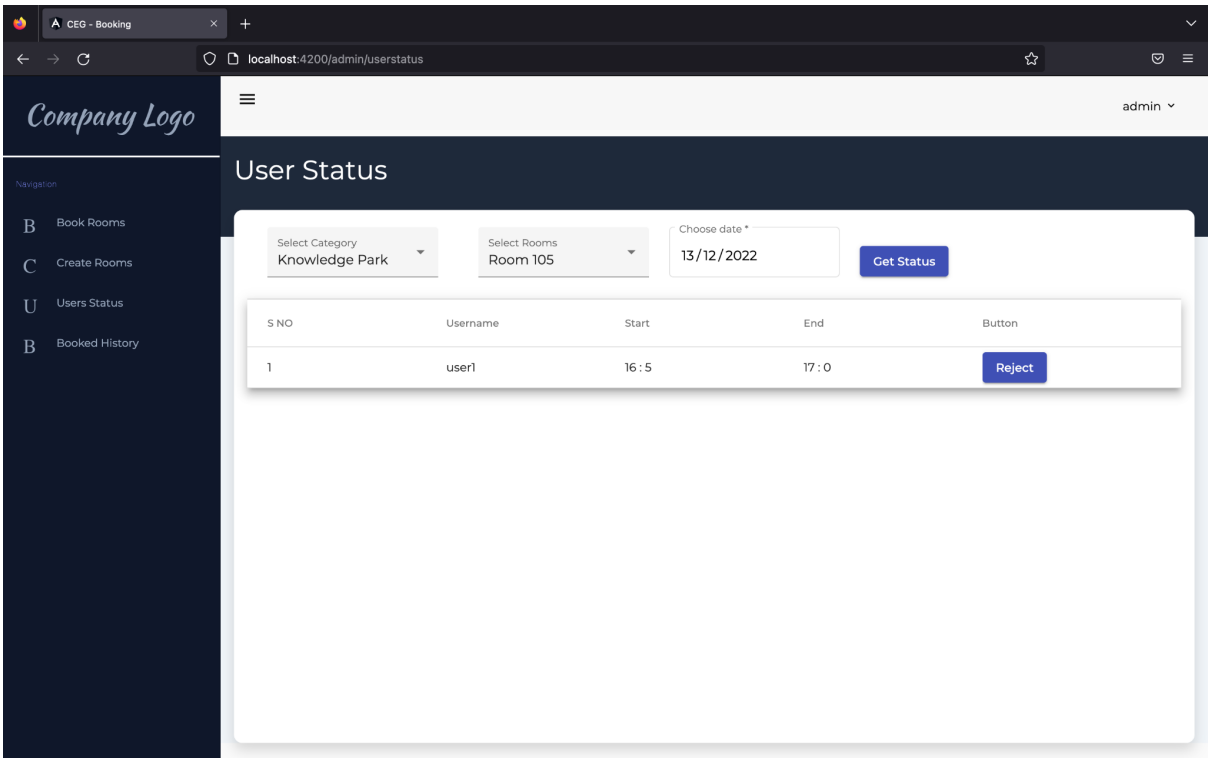
To add new rooms for the respective Buildings :



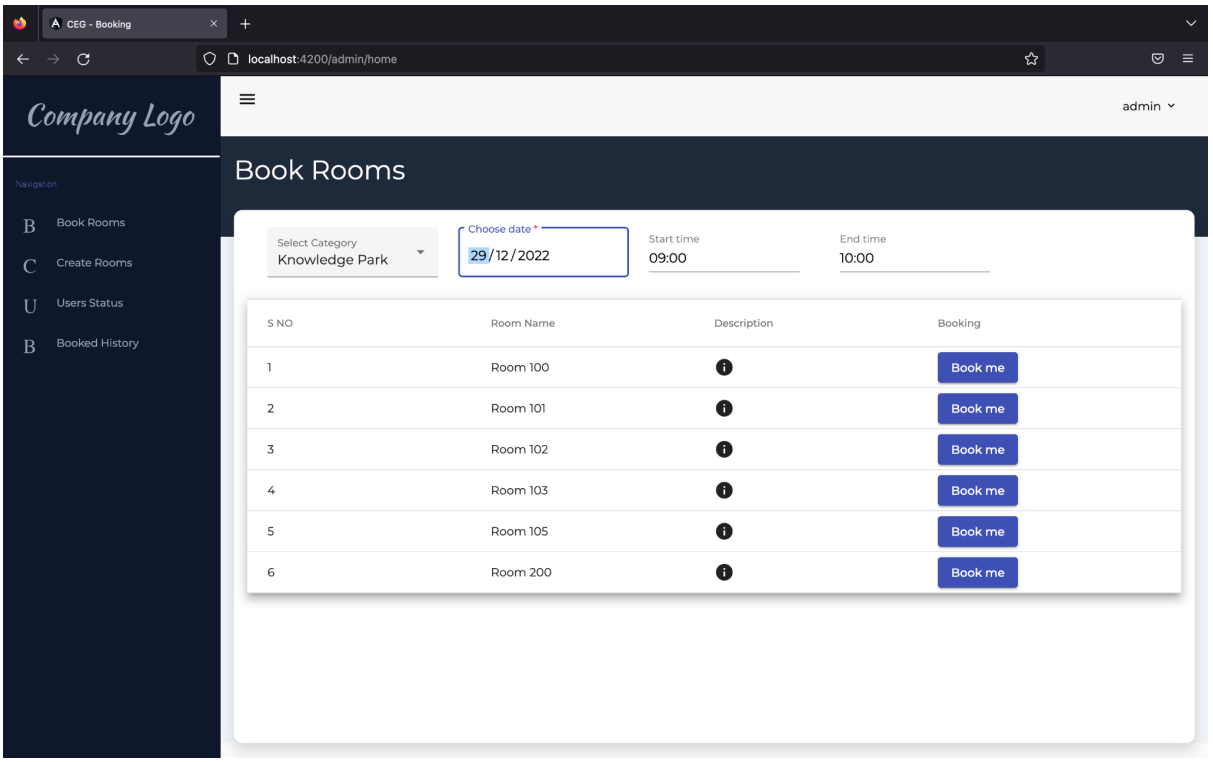
To book rooms on the particular time slot :



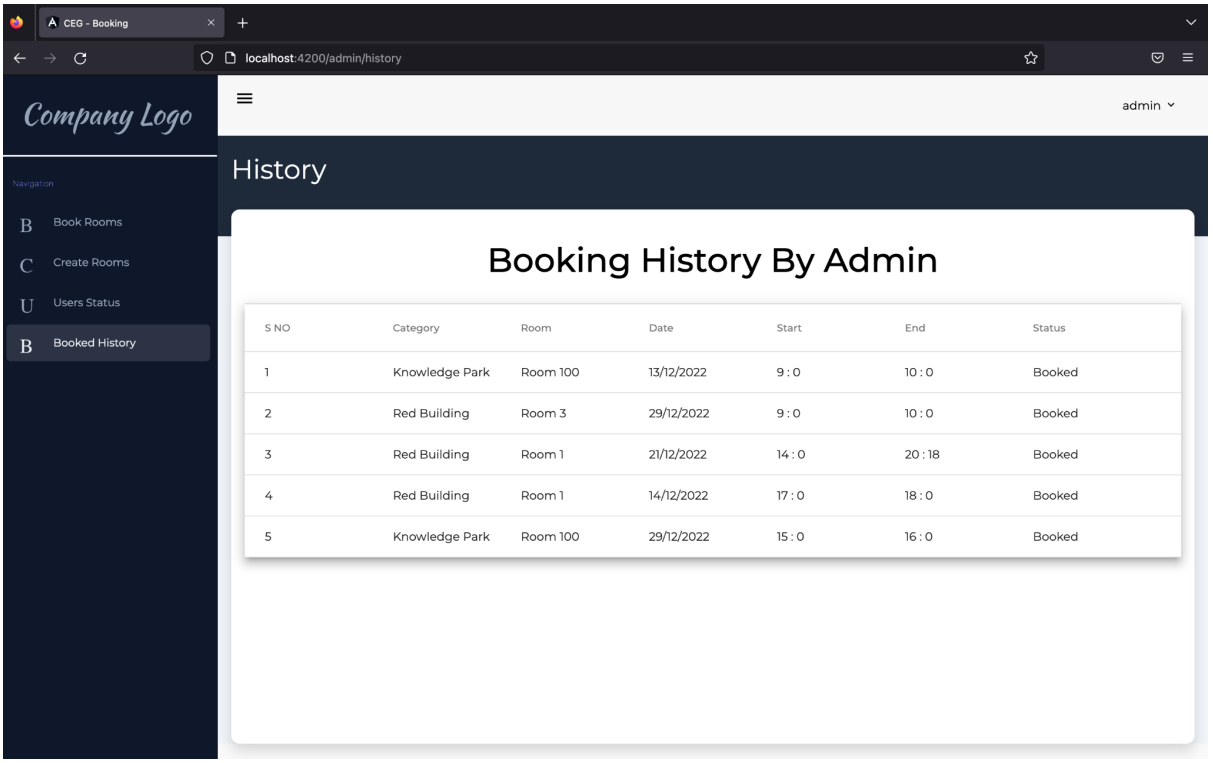
To get the status of a room on particular day :



Admin can also book rooms:



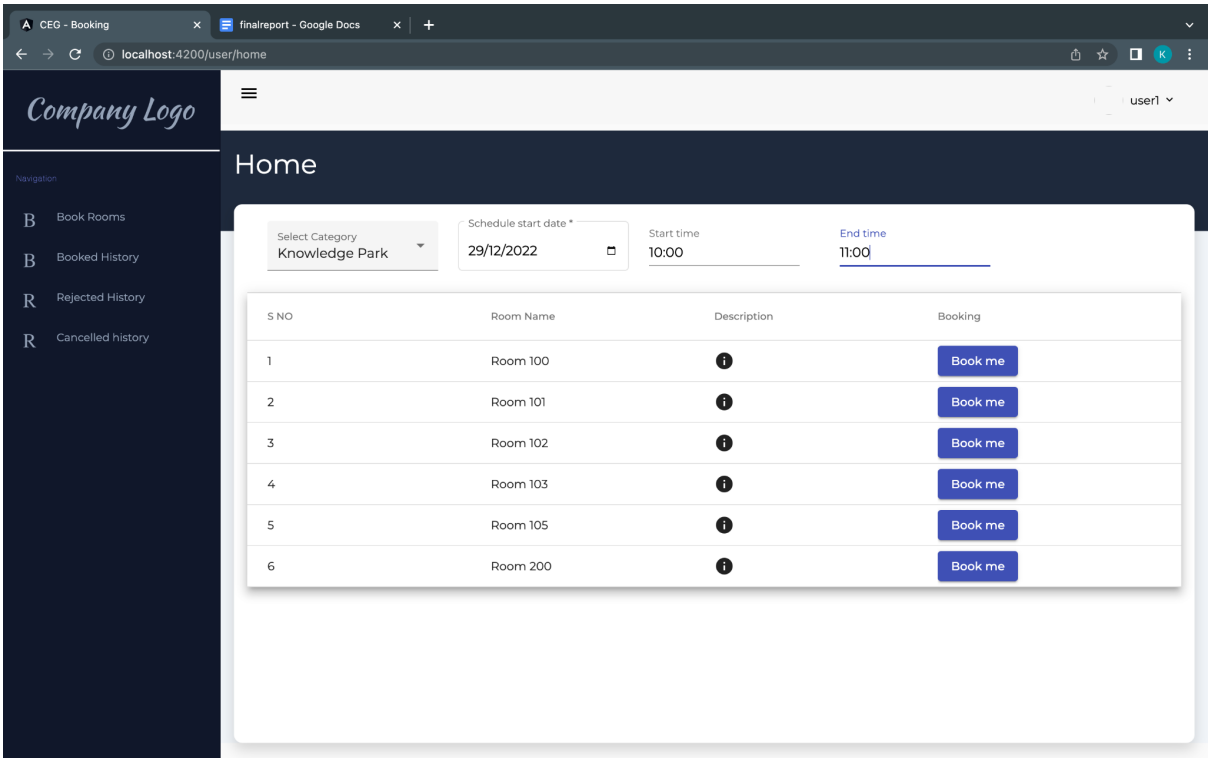
To see the booking history for admin :



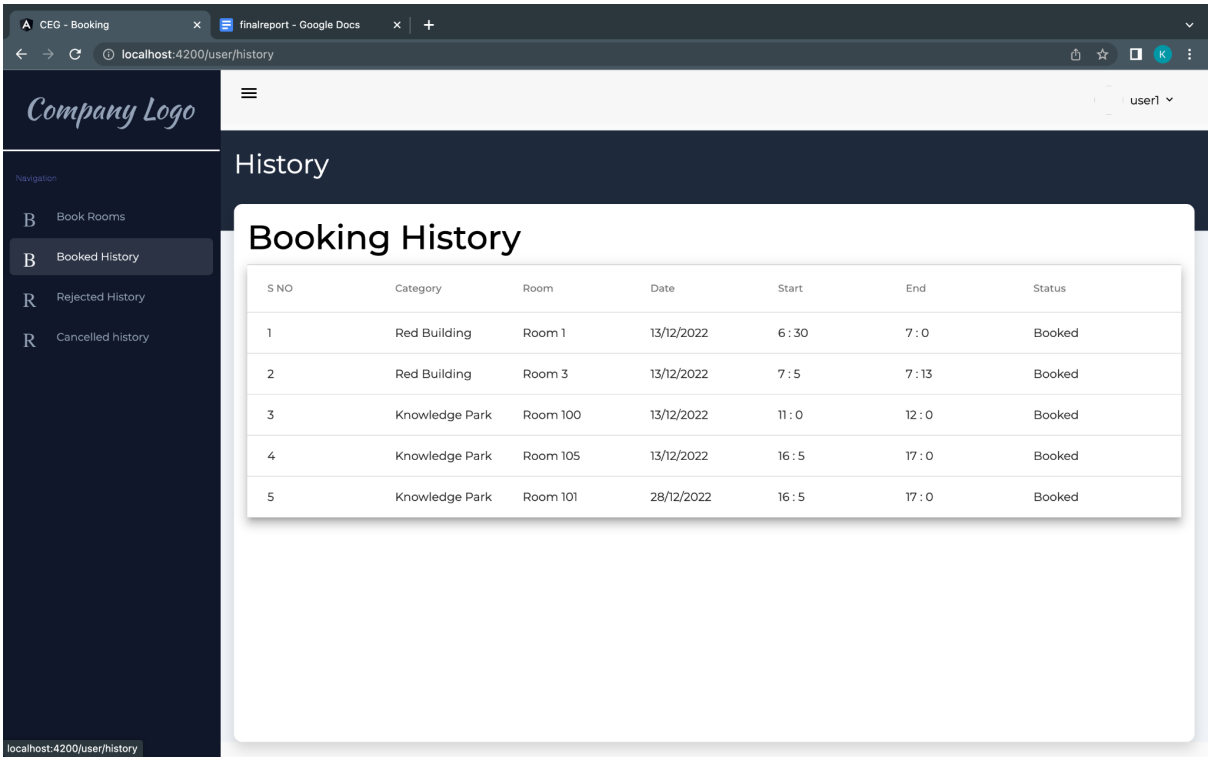
➔ Users :

- User can book the available rooms and also if the admin rejects the user booking it will get displayed under the rejection history.
- In addition to this both admin and users can able to see their own booking history.
- User can able to cancel the booked rooms and there is option to see the cancelled history.

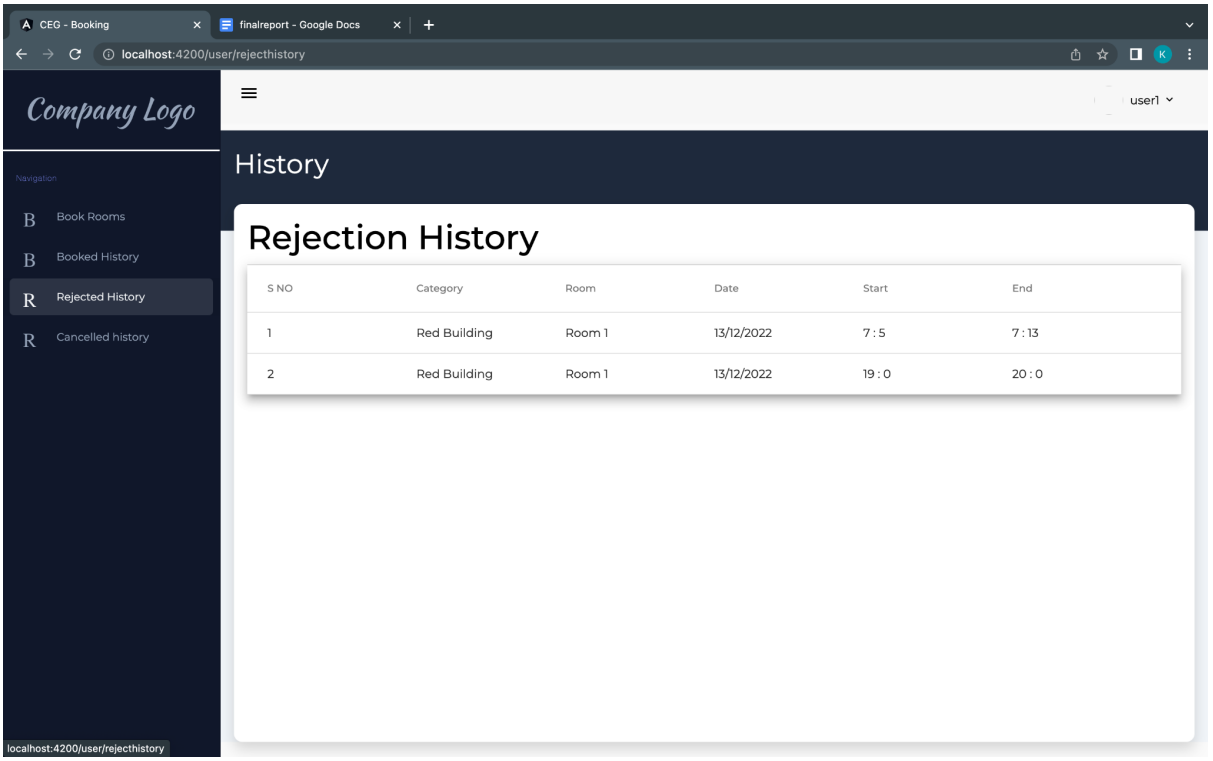
To book rooms for users :



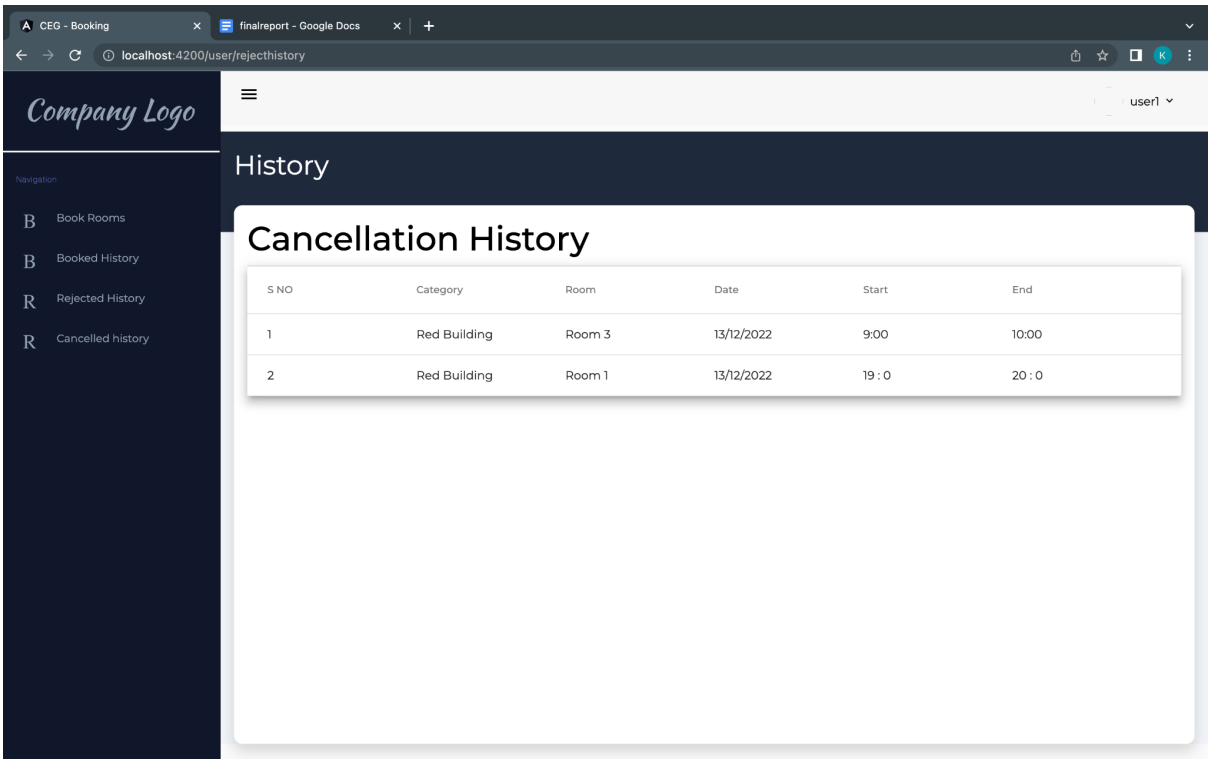
To see the booking history:



To get the rejection history:



To get the cancellation history:



Learning Outcomes :

Thus, I learn to build prototype - web app using rest api and frontend api by using nosql database mongodb.