ONLINE PROPERTY MANAGEMENT

Website Name: FirstChoice

Group Members:

Prem Sharma (PXS210046) (Section: CS6314.002)

Jinal Patel (JXP210000) (Section: CS6314.002)

Rutvik Avaiya (RXA210000) (Section: CS6314.002)

**Contribution of each member:**

**Prem Sharma:**

Worked on add, remove and update functionalities for the hosted property by the host. Implemented the favorite list with add and remove functionality on listed property. Implemented search(filter) functionality on a property type and created APIs and developed the flow for the project.

**Jinal Patel:**

Created User sign up including form validations, User login, checked conditions if password is strong enough with its rule. Designed and managed to list a user reviews and feedbacks along with creating a part of MongoDB collections and models. Worked to show and validate add, cancel reservations.

**Rutvik Avaiya:**

Worked on creating property cards and displaying the details for each property, performing reservation for the specific property, checking and listing all the reserved properties by the user. Helped in designing MongoDB schema, collections and models for this project.

We have collectively worked during this whole project, post that we have divided tasks among ourselves and implemented the assigned tasks end to end (including frontend, backend and database).

**Project Description:**

“Online Property Management” is a web application which provides a platform for users to reserve a beautiful property for their vacations. On the same time, users can sign up as a host and can add their valuable property with detailed information like location, price per night, service fees, Upload pictures, etc. Host will also be able to update and delete their respective properties anytime. User can also save the properties they liked to their favorite lists and unsave them. User will be able to view feedbacks on the properties given by other users and along with that user will have access to rate the property.

**Technologies Used:**

**Front-end:** React.JS, HTML, CSS, Bootstrap

**Backend:** Node.JS

**Database:** MongoDB Atlas

**Database Design:**

We have used MongoDB database for implementation and saved data on it.

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated with medium confidence

Text

Description automatically generated

Text

Description automatically generated

**Functionalities:**

1. User Sign up: User can sign up by filling up following mention details. Validation on fields and strong password rules have been setup.

Graphical user interface, application

Description automatically generated

2. User can login using their existing details of email and password used during sign up.

Graphical user interface, application

Description automatically generated

3. User can view all the listed properties

Graphical user interface

Description automatically generated

4. User can select any one property for detailed information of it and can reserve that property by entering date and no. of guest in reserve block.

Graphical user interface, application

Description automatically generated

5. User can rate and review the property. Also, view reviews of different users.

Graphical user interface, application

Description automatically generated

6. All the reservations made by user can view on “My reservations” page

Graphical user interface, application, table

Description automatically generated

7. Host user can view all their hosted property and can update and remove from the list accordingly.

Graphical user interface

Description automatically generated

8. User can add their property into favorite list and remove from it by using remove button.

Graphical user interface

Description automatically generated

**Video Link:** [**https://youtu.be/zrEB3KWkzXY**](https://youtu.be/zrEB3KWkzXY)