

# PROJECT TOPIC: StayHub

-A Platform that connects the host and the guest

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## ABSTRACT

The project entitled 'Stay-Hub' is a name that suggest a platform that connects travellers with the host who offers wide verity of accommodation for short-term stays. Stay Hub empowers property owners to list their homes, apartment and unique lodgings, allowing them to monetize their properties while offering travellers a diverse range of lodging choices.

Key features provided in this website is user friendly property listing, search and filtering options, payment processing and a reliable review system.

Travellers can easily search for accommodations based on preference, pricing, location and amenities provided. Additionally, the platform offers a responsive and visually appealing design to enhance the user experience.

### FUNCTIONALITES PROVIDED :-

- **Responsive login pages** that send email verification to users if they are login for the first time.
- Login page will identify host and guest account and send to respective dashboards.
- **Host verification**- The Admin will verify the license and manually permit the guest.
- **Property Listing**- Detailed property listing with high quality images, descriptions and information about the space, amenities and nearby attractions.
- **Review and Ratings** – A review and rating system can provide feedback on their stay.
- **Wishlist** - A feature that lets users save properties they are interested in for future references.
- **Customer support** – Chat Bot facilities that provide assistance with booking issues and inquiries.
- **Availability Calender** – Tools to set availability dates and manage bookings.

## MODULES

1. ADMIN
2. HOST
3. GUEST

### ADMIN

- Responsible for admitting the host
- Verify the license and approve the host manually
- View the list of registered Host.
- View the rating and review of each host.

### HOST

- Host registration by –
  - adding images of the property.
  - Provide description about the property.
  - Add provided services like swimming pool, car parking etc.
  - Add the category of housing like villa, luxury, tree house etc.
  - Add the pricing
  - Add the license.
  - Add the cohost.
- View –
  - Total Booking
  - Total Revenue obtained
  - Details of recent bookings
  - Add, delete, update the services provided by the host.
  - View the feedbacks
- Communication with the guest.

## **GUEST**

- Login and registration
- Profile setting- can update the profile picture
- View properties and view the details about the services provided, host, pricing etc
- Booking and payment.
- Provide feedback
- Augmented Reality to provide guest with virtual experience of the property and customize it.

## **TECHNOLOGY USED :-**

Front-end - HTML/CSS

Back-end – Python Django

## MINI PROJECT

### Functionalities

- Responsive login page
- Approval by admin to register the host.
- Wishlist - interested properties can be added to the wishlist for future references
- Payment and billing

## MAIN PROJECT

- Machine Learning
  - Recommendation system-** personalized recommendations to users based on their preferences, search history and behavior.
  - Language translation-** employ machine learning models to automatically translate to different language

- Augmented Reality

Integrate AR in website to provide guest with a virtual experience of the property available at the site

Guest can customize the room by making arrangements to the furniture.

Technology to use:- AR.js -A javascript library for creating AR experiences on the web.

- Additional module including travel guides which will help in visiting the local attractions.

### REFERENCES

<https://www.airbnb.co.in/>

<http://www.vrbo.com/>