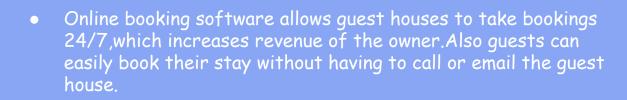


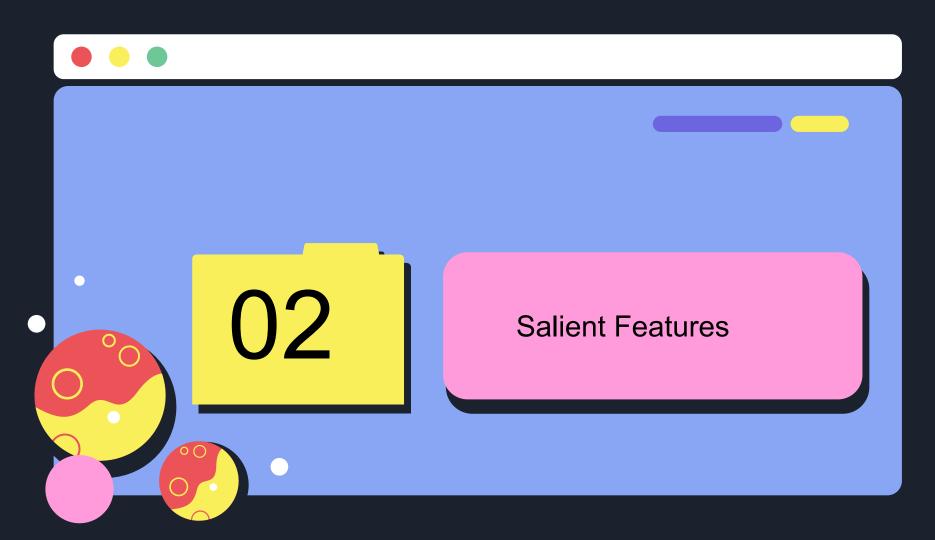
### **Problem Statement**

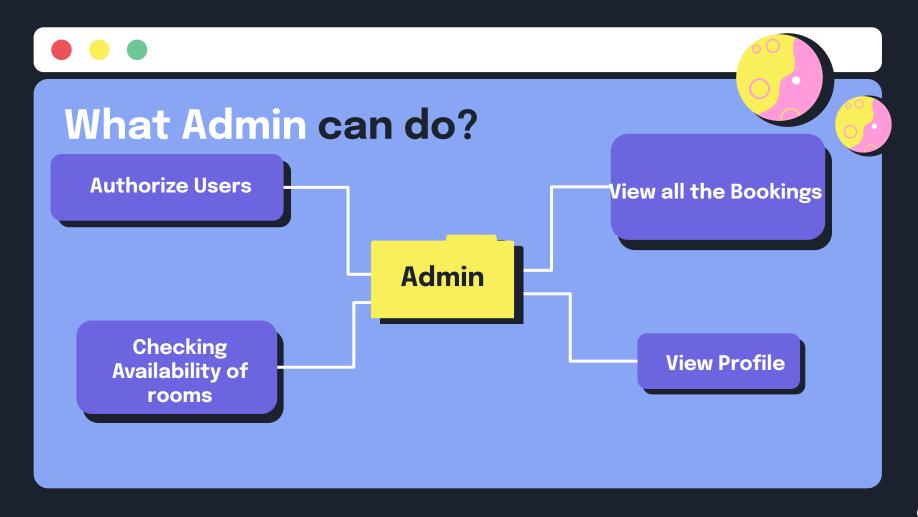
- An user Interactive Platform has to be built for booking rooms in Guest Houses available at Indian Institute of Technology Kharagpur.
- The Platform Should provide all the major functionalities which will automate and ease the process of booking and managing the guest house for both customers and staff.

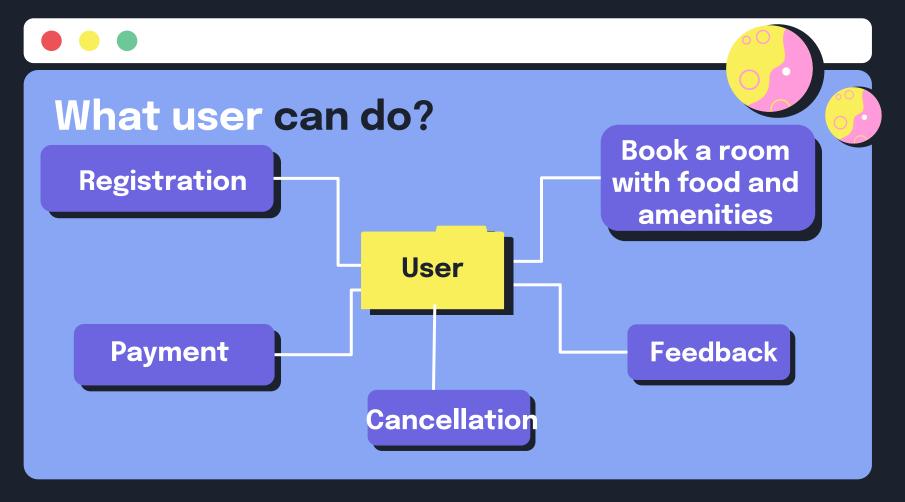


 Guests can easily view availability, room types and prices this makes easier for them to make informed decisions about their stay

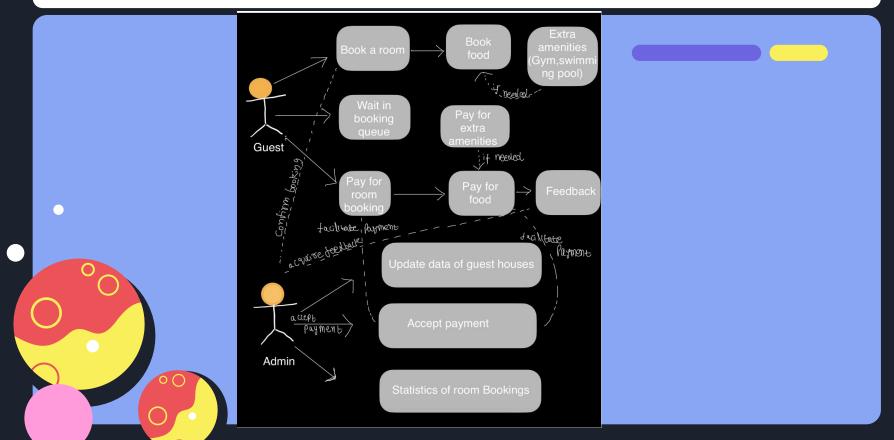
This will automate administrative tasks such as sending confirmation mails, cancellation mails and updating availability calendars.





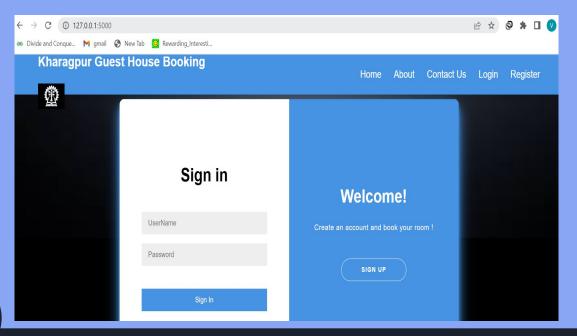






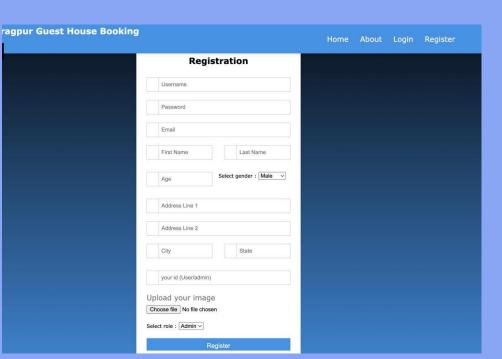


 By entering correct username and password both guests and admins can have access to the website.





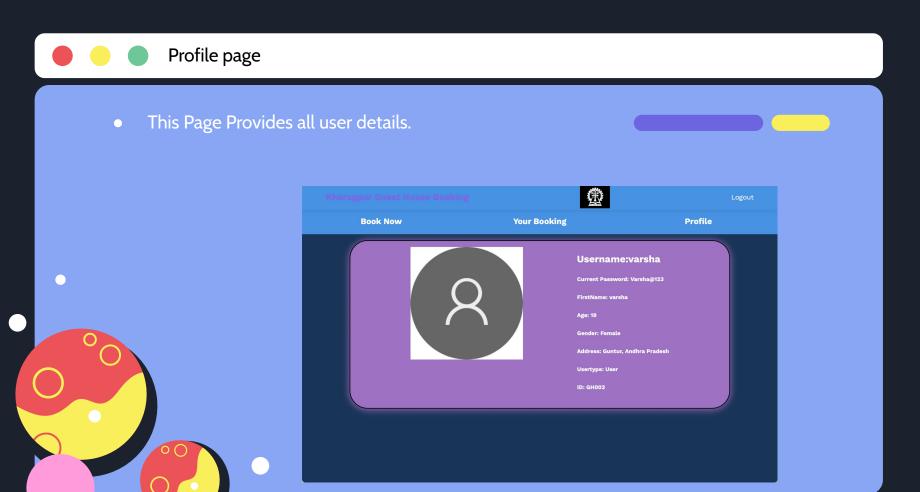
• Registration form where new user or admin need to enter the personal details





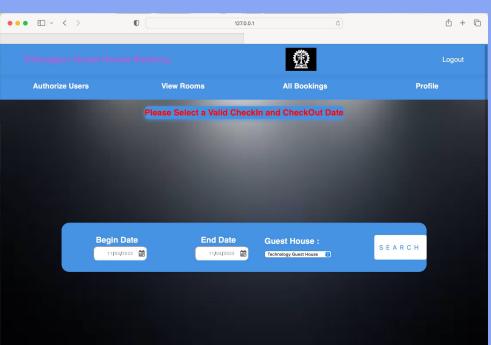


OTP verification confirms the identity of the user and verifies the user email address for registration and payment **Kharagpur Guest House Booking** devichand.nssc 10:29 AM ... 愈 Enter the otp for verification otp: 2437 Registration enter your otp



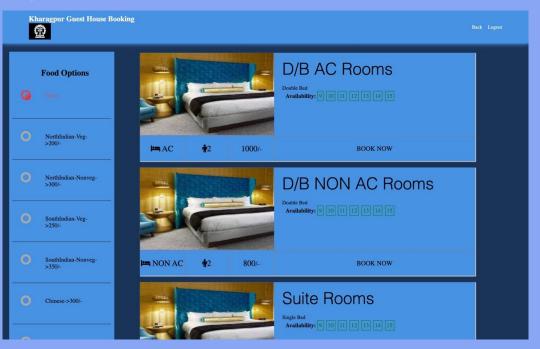


• By selecting valid check-in date and checkout date, users can view the availability of rooms.





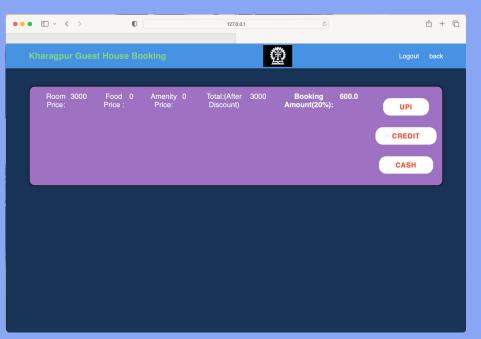
• Showing the availability of different types of rooms, food and amenities available in a particular guest house.





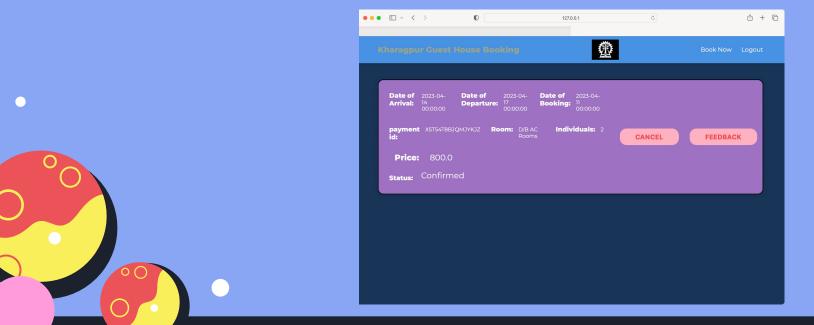


 This page displays the total individual costs the user need to pay for confirmation of Booking.



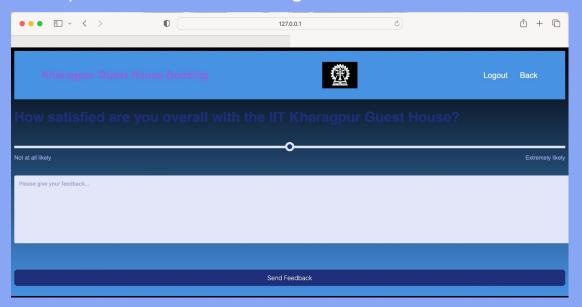


• Viewing all the bookings made by the user and their current status. They can cancel and provide feedback through this page.





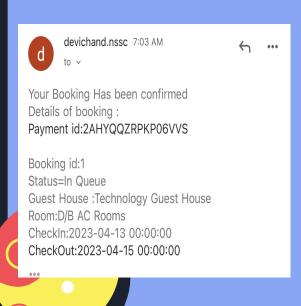
• User can submit their feedback multiple times before 1 month after checkout date and this feedback will be updated to the admins of the guest house

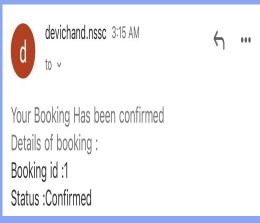


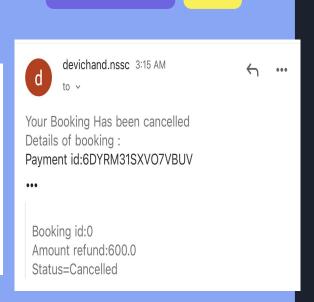


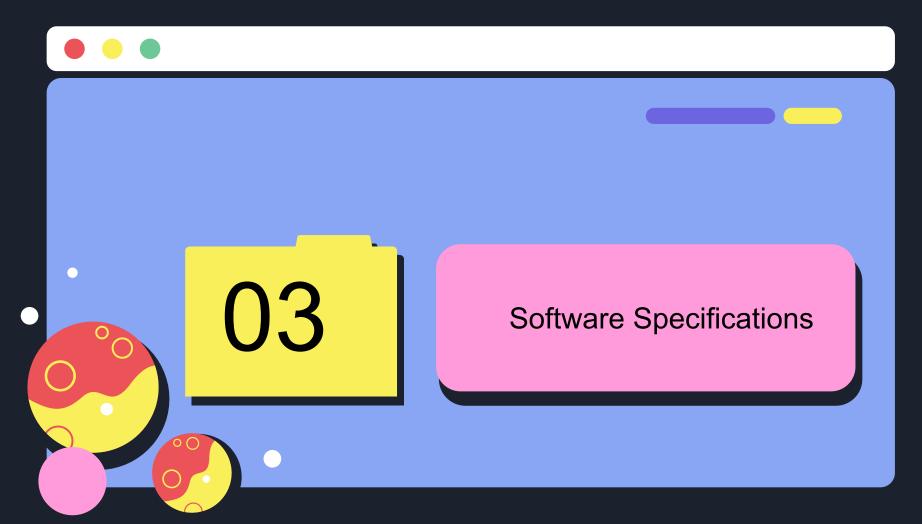


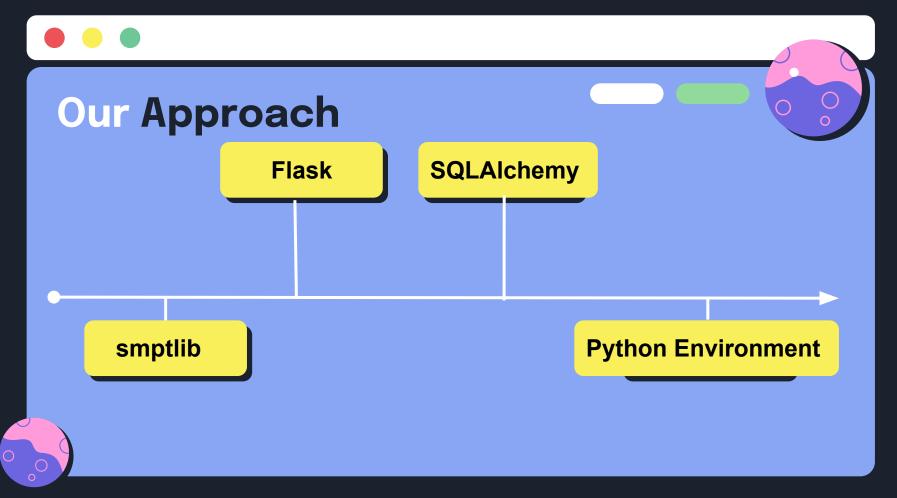
#### Confirmation, Cancellation and Status Update Mails













# Easy to implement

It is a lightweight and flexible web framework for python. It provides only the core features required for web development.

#### Extensible

Flask is highly
extensible,i.e..It can add
third party extensions
to enhance its
functionality. Eg..
Flask-SQLAlchemy
Flask-login

## Modular, Great documentation

We can get started with it quickly and easily and it is designed to be modular,i.e.. can easily add or remove components as needed.



It provides a powerful ORM layer that allows developers to interact with databases using python classes and objects.

### smptlib

This module provides a simple and convenient way to create and send email messages using SMTP. Also supports authentication mechanisms such as LOGIN to securely send emails from authorized email accounts.

