

Final Documentation

Project Name: Online Hotel Booking Website

Course Name: e-DAC PG DIPLOMA

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what the project does:

1. It will Allow Users to Book Hotels on our site and if he is Hotel Manager then he can add/update his hotel information on our site.
2. Let a user book the Hotel, as a Platform Owner we will collect Money from customers and let them book the hotel.
3. In Between we will take certain percentage/commission/fee for being a platform owner.
4. We will host two different types of users in our website. one is Hotel Owner who will post his hotel rooms available for booking. Other type is for example a user who want to book a hotel room.
5. The entire payment flow will be automated using stripe. When a customer pays using their credit card, stripe will allocate certain percentage to the seller and certain percentage to the platform owner (platform fee).
6. Then every week, stripe will automatically pay the balance to the account holders directly to their bank account.

Adding a Hotel:

PRESENTATION:

1. To add any hotel first Hotel Manager must log in and need to link his stripe account with the Application representative account.
2. In the presentation Hotel Manager has to provide all the details of his hotel i.e., Hotel Name, Location of Hotel, description of Hotel etc.
3. This details in the form of request will to server with the help of axios library.
4. If the response we received from service is a positive one, we will send a toast notification with some message.
5. If the response we received from the service is a negative one, we will send toast notification with some error message.

SERVICE:

1. Through axios request comes to the service layer and here validation will happen whether this request is a valid request or not.
2. This validation is done with the help of a middle ware.
3. After the validation this service layer will call DAO part and if hotel is saved in our database response with success message will be sent.
4. For any reason if hotel information is not saved in db., we will send a response message with status code 400.

DAO:

1. Prior to saving the hotel data to the database, we need to have a hotel collection created in our database.
2. So, when we receive data from service layer to dao in the form of request we need to create hotel object with the help of data that we are receiving from service.
3. With the help of hotel object, we need to save it to the hotel collection.
4. After saving the hotel object to the data base we will send the response to the service layer accordingly.

scenarios where you got struck in the project and how did you overcome

1. First scenario where we got struck was connecting database with login and register form. Initially we were using mongo atlas as Database which was a online server but we got struck in connecting it, but we solved this problem by using Robo3t as local storage.
2. Second Problem was In Case if database is hacked then password of user can be exposed so we solved this Problem by hash. we install by bcrypt to hash the password.
3. Third Scenario was we get error in creating stripe account and doing transaction with it because stripe is not supported with giving Indian details but we solved this problem by setting stripe account with Australian details

learnings during the project

1. This project helped us to put all our learnings that we learned during cdac into one.
2. We learned about stripe and its integration with our project.
3. We got to know about how the data of the multiple users is stored and managed in database. We get to know how the payment process work in real world and how profit and loss are shared among website owner and hotel manager.
4. Apart from the technical side, since we followed agile approach while developing our project, we came to know how in real world projects will happen and came to know how poc's will help during development phase.

