Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE
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Department of Information Technology

Implementing AI Based Comprehensive Web Framework for Tourism

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Introduction

- The proposed smart tourism website is a travel website which provides with trip plans, hotel bookings, flight bookings, etc. and helps the end user find a suitable hotel / tour plan.
- The website also provides with an itinerary of tour and shows nearby attraction places to visit in the vicinity of the end user or a hotel.

Objectives

- To create and implement a smart tourism website to provide users with suggestions to tourist attraction spots, hotel booking, and tour planning using Django
- To allow users to filter hotels through various parameters like budget, duration of stay, type of trip, recommended tourist spots, etc.
- To provide customers with an itinerary for each day of trip as per user preference.
- To implement an AI chatbot for basic user queries.

Problem Definition

- Increasingly tourists are planning trips by themselves using the abundant information available on the web, however they still expect and want trip plan advisory services.
- This project proposes a travel website which provides hotel booking system and a tour itinerary with day wise plan for the trip and recommends attraction places to visit in the vicinity of end user or a hotel.

Technological Stack

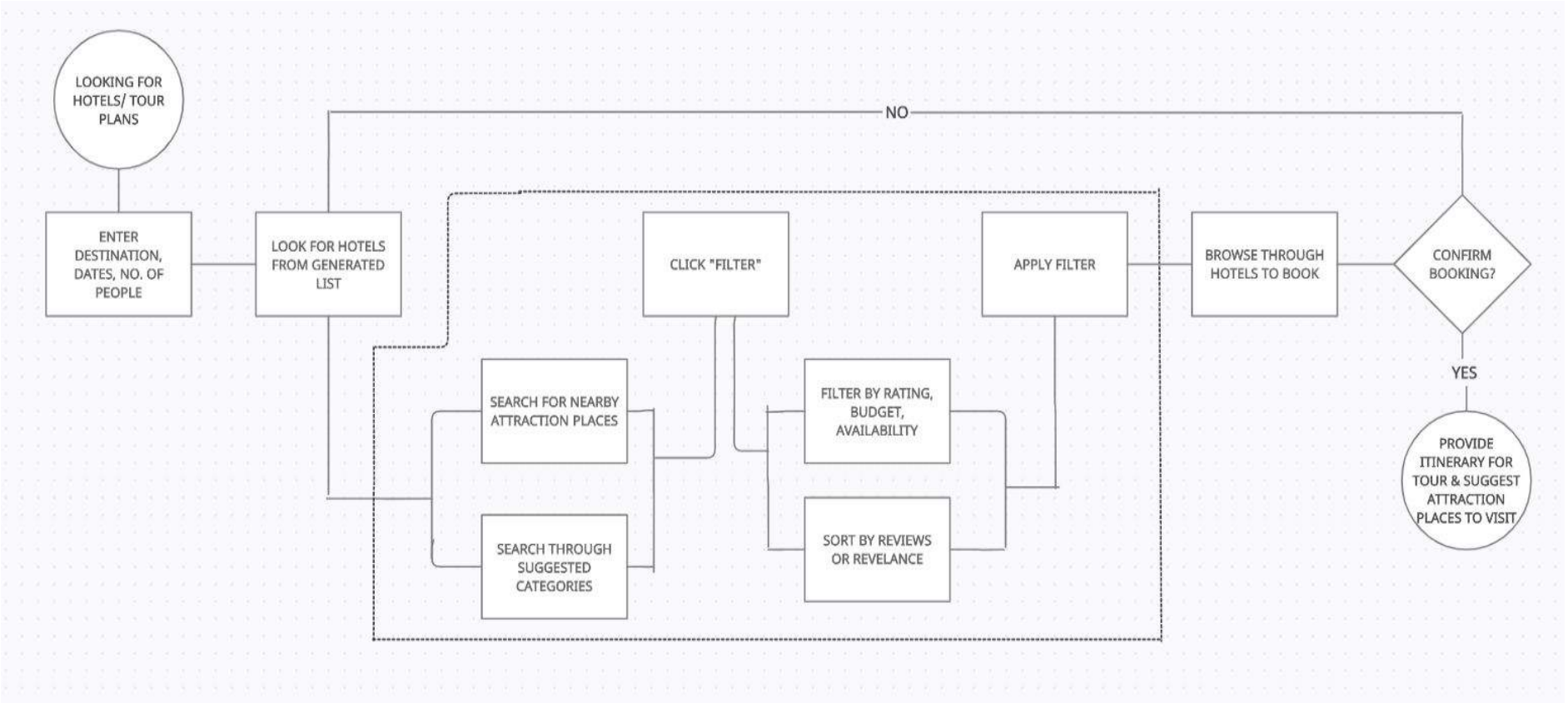
- Frontend :
  - Html, CSS, JS
  - Django / SQL

- AI Chatbot
- ML : Content Based recommendation system

Review Suggestions

- Provide user with attraction places near a hotel or user location.
- Provide users with hotel and flight booking.
- Provide users with different types of tours to customize the trip accordingly (business trip, family trip, etc.)
- Implement Recommendation System

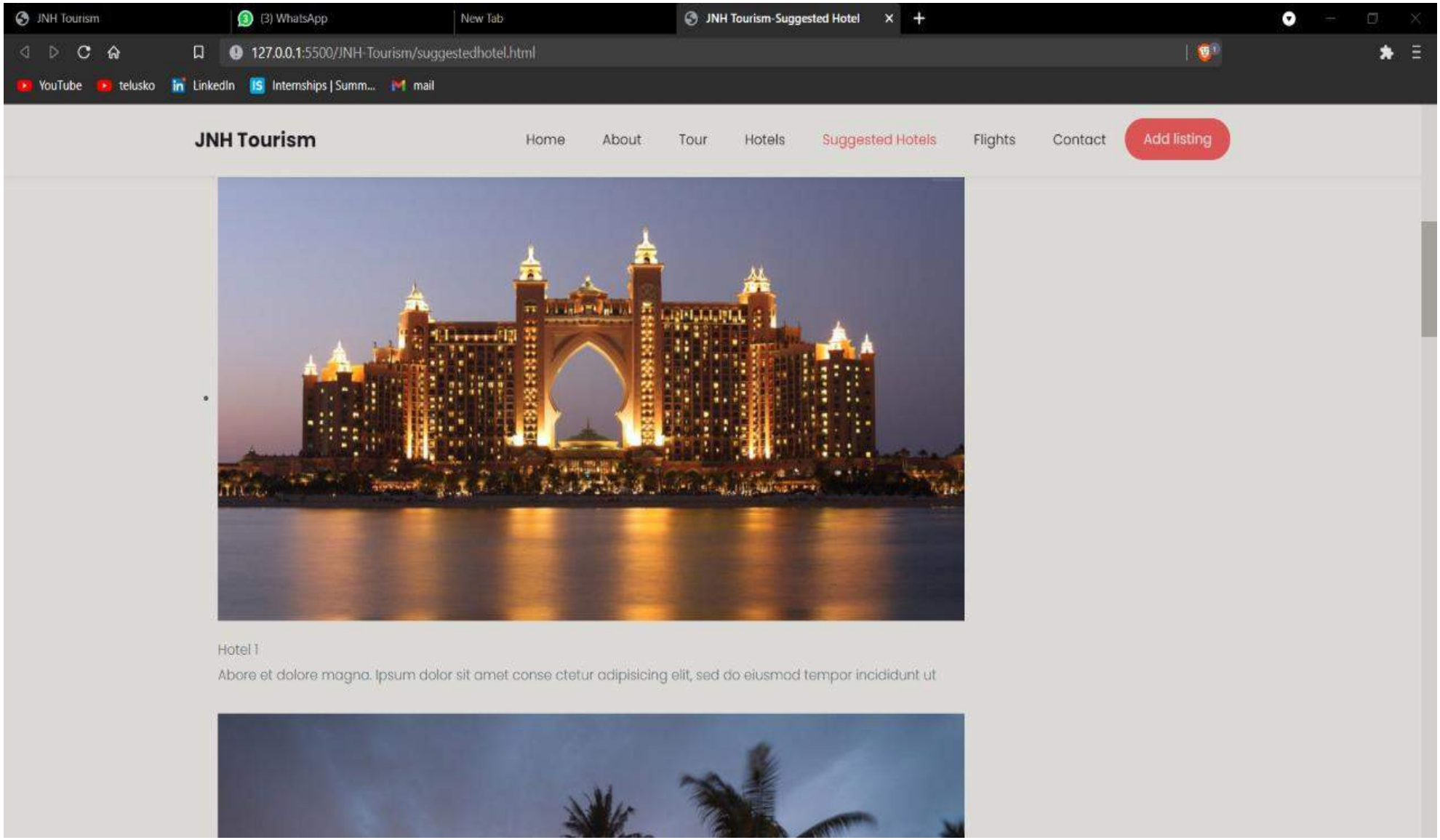
Proposed System Architecture/Working



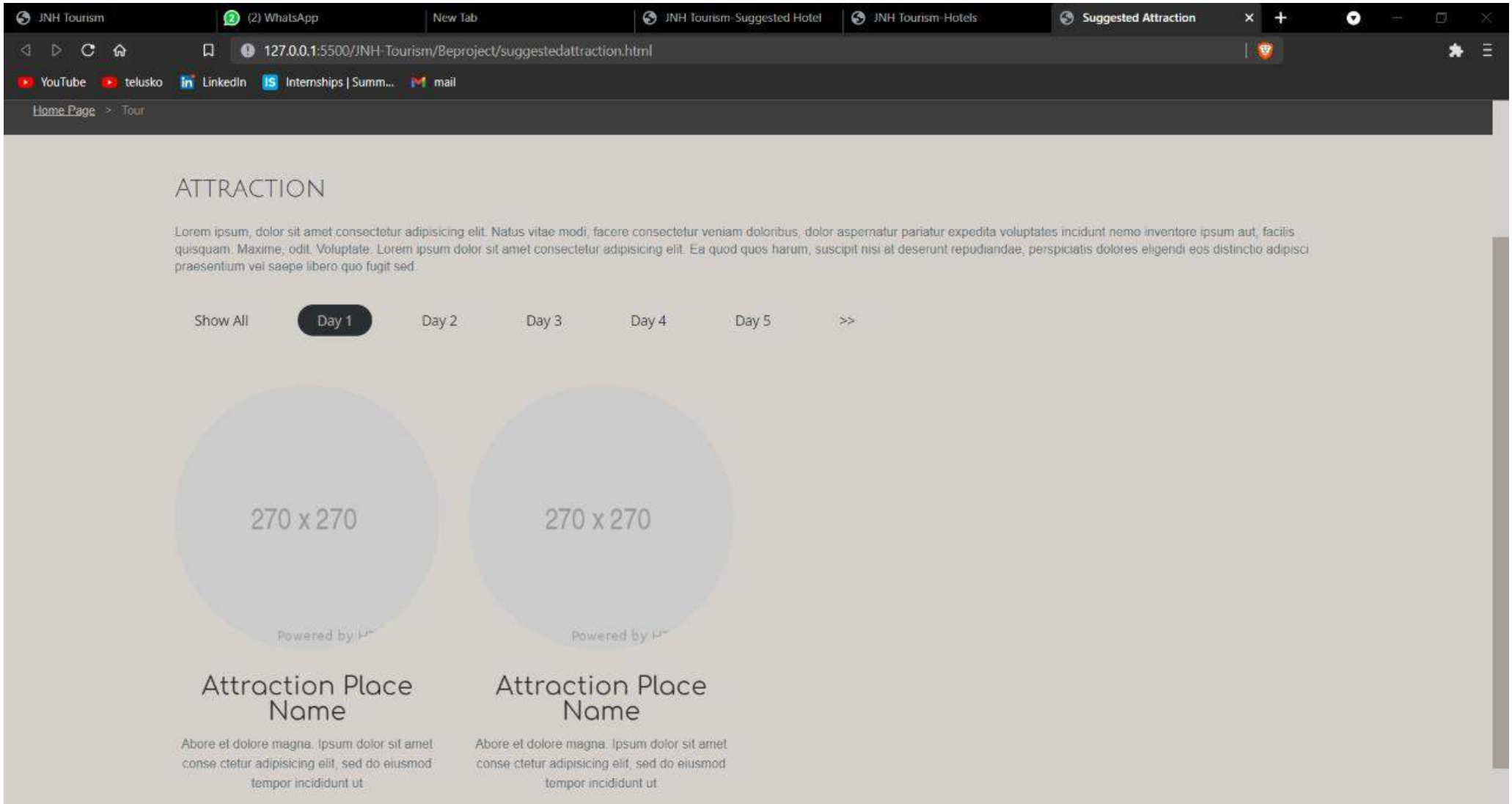
Implementation Status

- Built frontend : Home page, Hotels page, Flight booking page, About us page, Contact page, Recommendation page
- Working on implementing API to get the relevant data on backend
- Working on implementing an AI chatbot that can provide users with simple answers for any queries

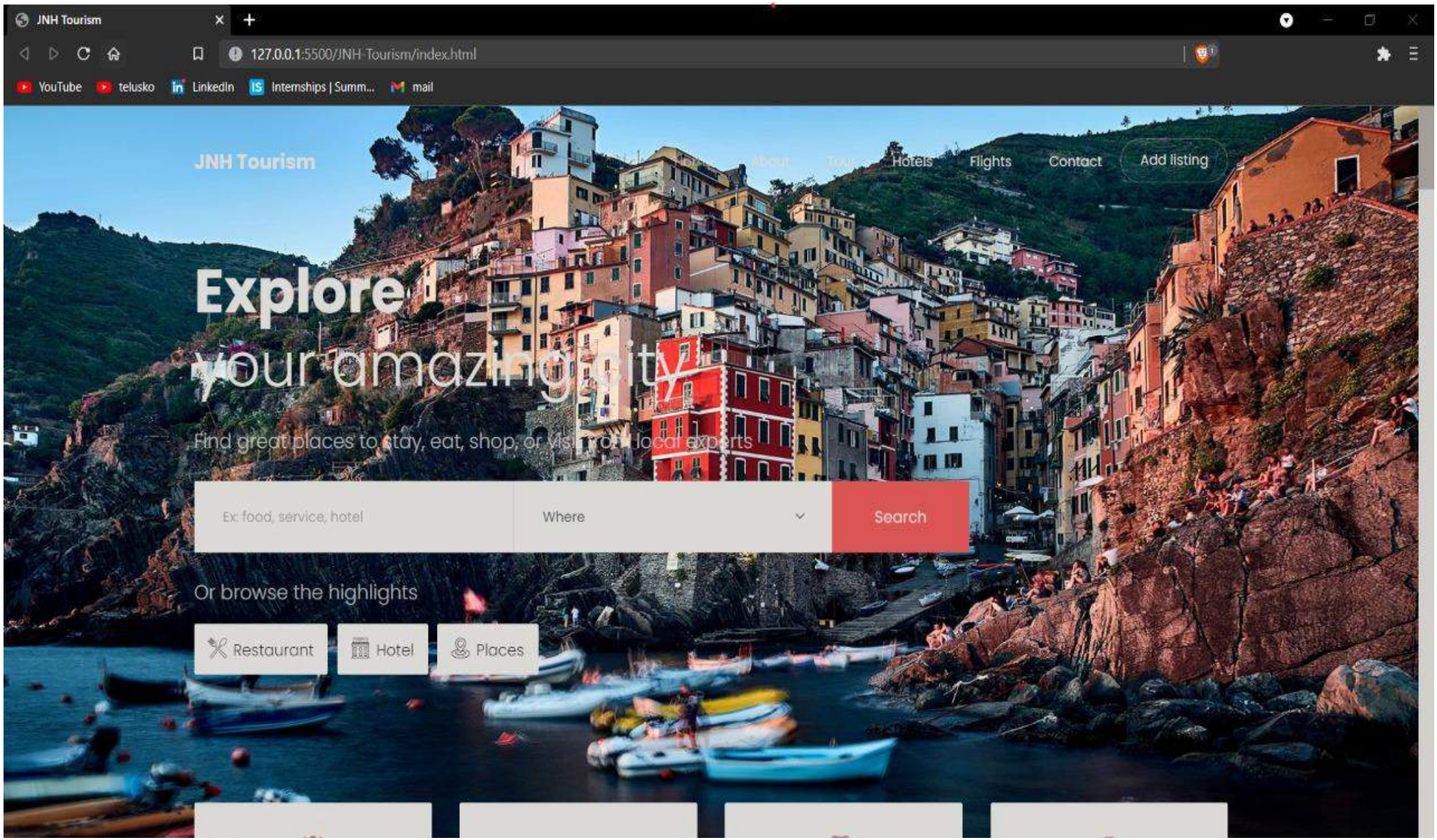
Page : Suggested Hotel



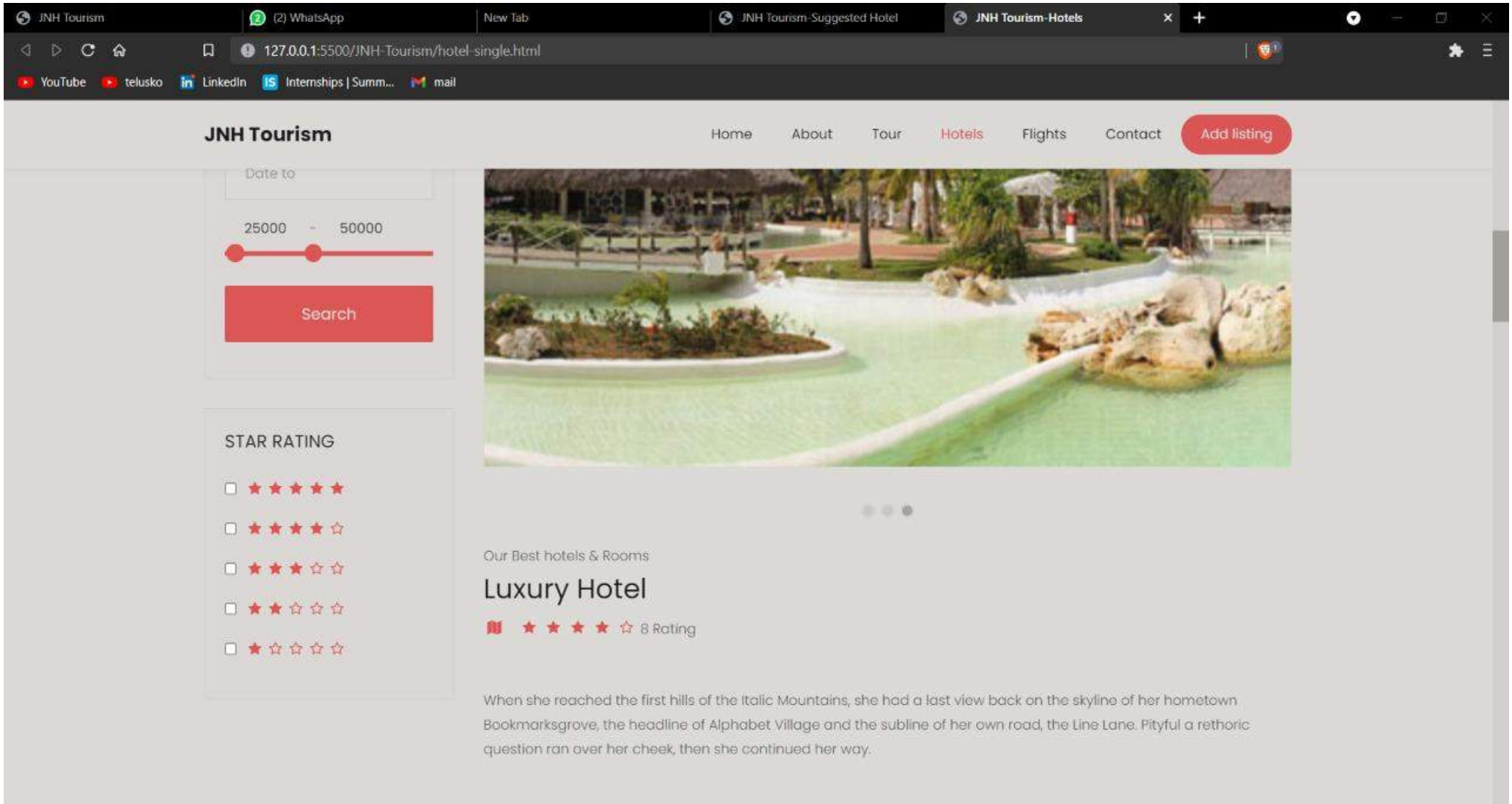
Page : Suggested Attraction



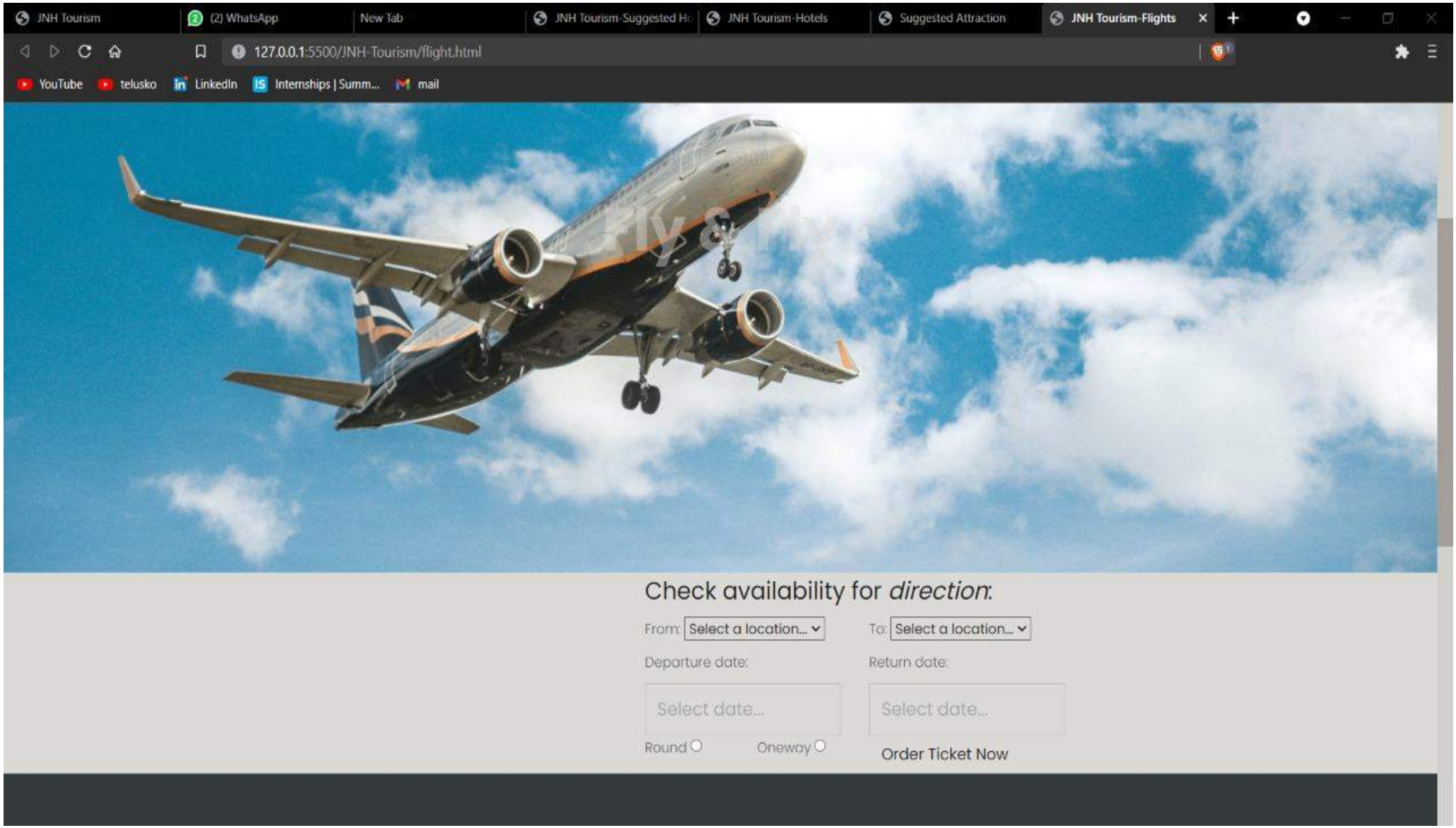
Page : Hotel Search



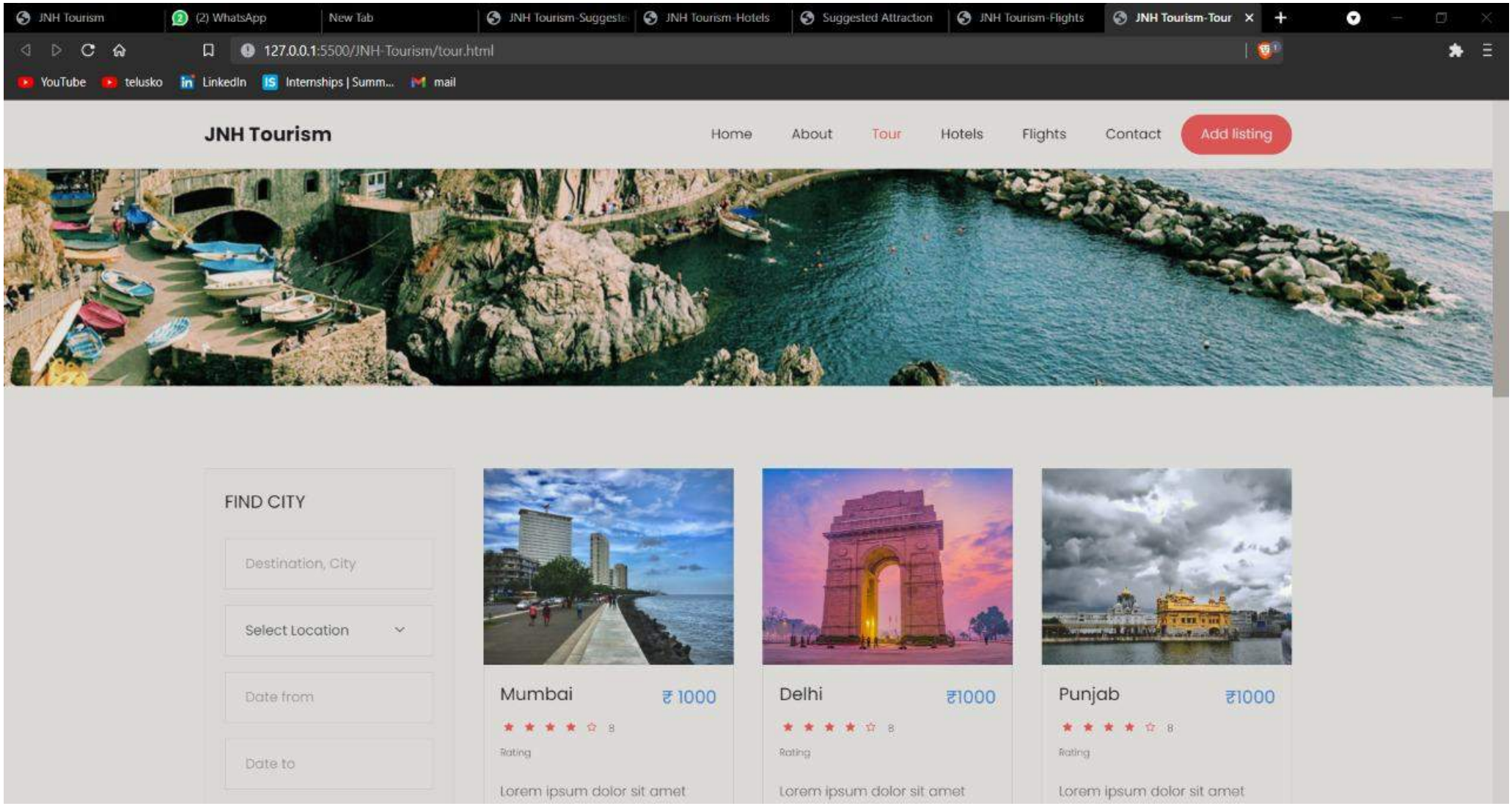
Page : Hotel Details



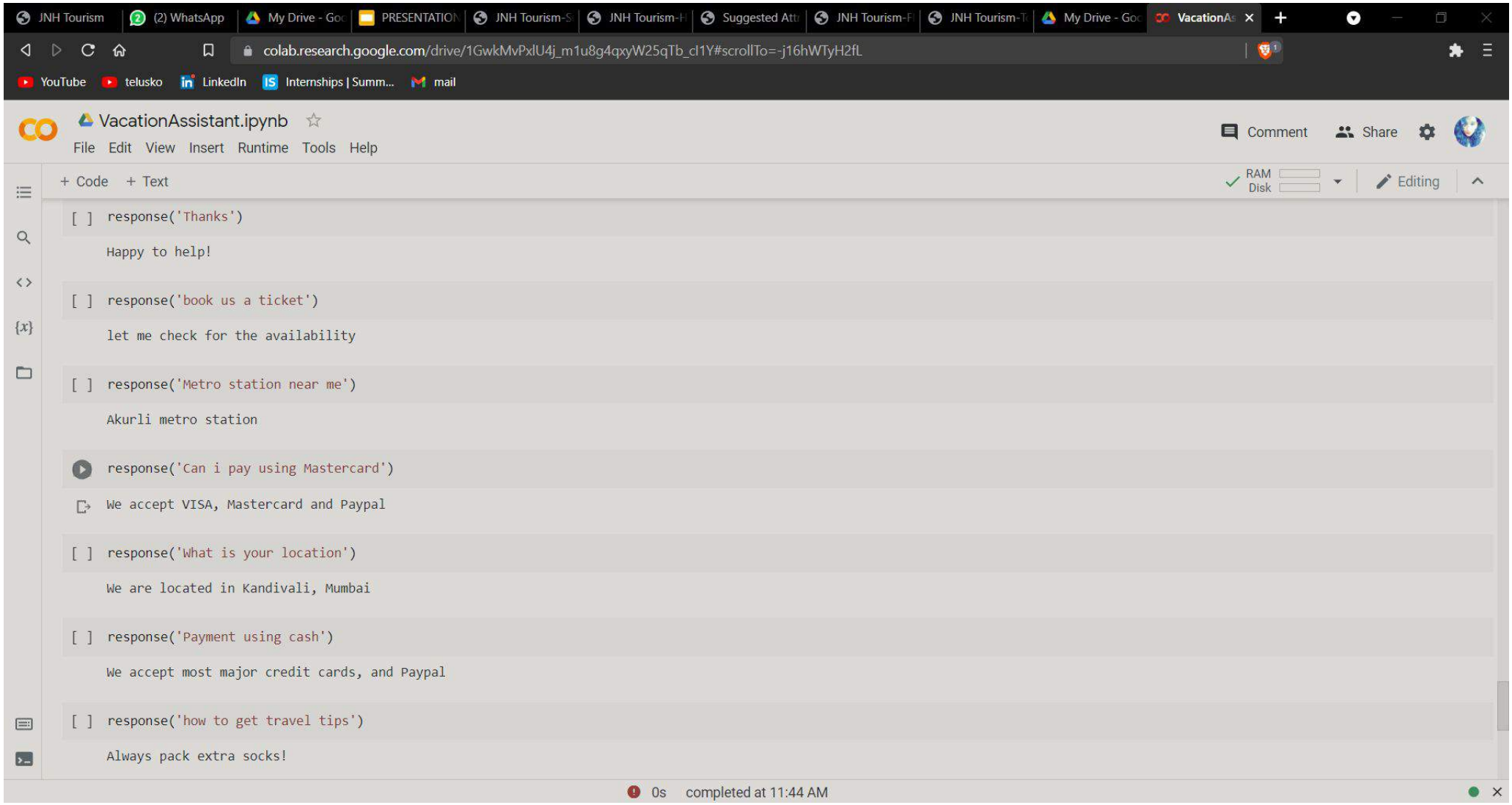
Page : Flight Booking



Page : Tour Packages



Chatbot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Happy to help!
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Always pack extra socks!
0s completed at 11:44 AM

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Thank You...!!