



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

TOUR GUIDE

MUMBAI DARSHAN

Name	Roll No
Rishabh Gupta	19
Shivam Gupta	21
Navneet Pujari	52

Group No.05

Under the guidance of
Supervisor : Lifna CS



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

INTRODUCTION

Tourists visiting a new city often face challenges in navigating unfamiliar locations and finding relevant information about tourist attractions.

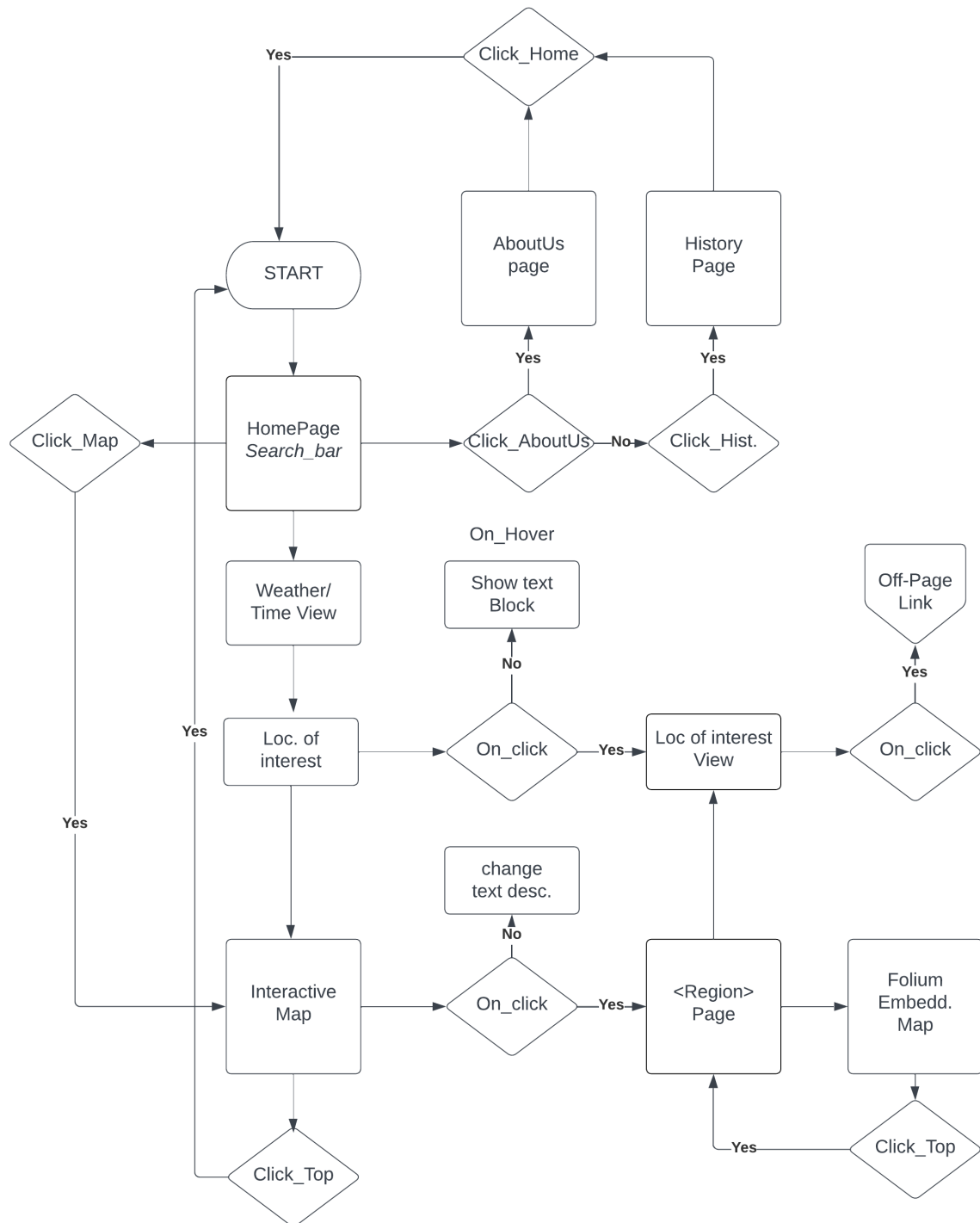
This results in a less efficient and less enjoyable travel experience. A digital tour guide is needed to provide tourists with real-time, personalized and comprehensive information about their travel destination to make their visit more convenient and memorable.

PROGRAM FLOW

The project consists of a Django web application which includes two main components: a Weather API and an Interactive Mumbai Map. The Weather API is responsible for fetching the current weather updates for Mumbai, which are displayed to the user when they open the web app. The Interactive Mumbai Map is created using svg map of Mumbai and later we applied CSS and HTML code on it to make it work interactively. We have also used Folium which is a Python library for creating interactive maps, and Geocoder, a package for geocoding addresses. The map displays the locations of places of interest in Mumbai, such as Chembur and Colaba. When the user hovers over a location on the map, it gets highlighted with a green color and acts as a link to the respective place's page. Clicking on a location redirects the user to the place's page, which displays detailed information about that place, including places to visit and a detailed map. The project may also include other files for handling other functionalities, such as templates for rendering web pages and views for handling user requests in Django.

The packages used in the project are:

1. Django: A high-level Python web framework for building web applications.
2. Folium: A Python library for creating interactive maps.
3. Geocoder: A Python package for geocoding addresses, converting addresses to geographic coordinates (latitude and longitude).
4. Weather API (OpenWeatherMap) :An external API for fetching weather updates for Mumbai or any desired location.
5. Other packages as needed for other functionalities, such as templates for rendering web pages and views for handling user requests in Django.

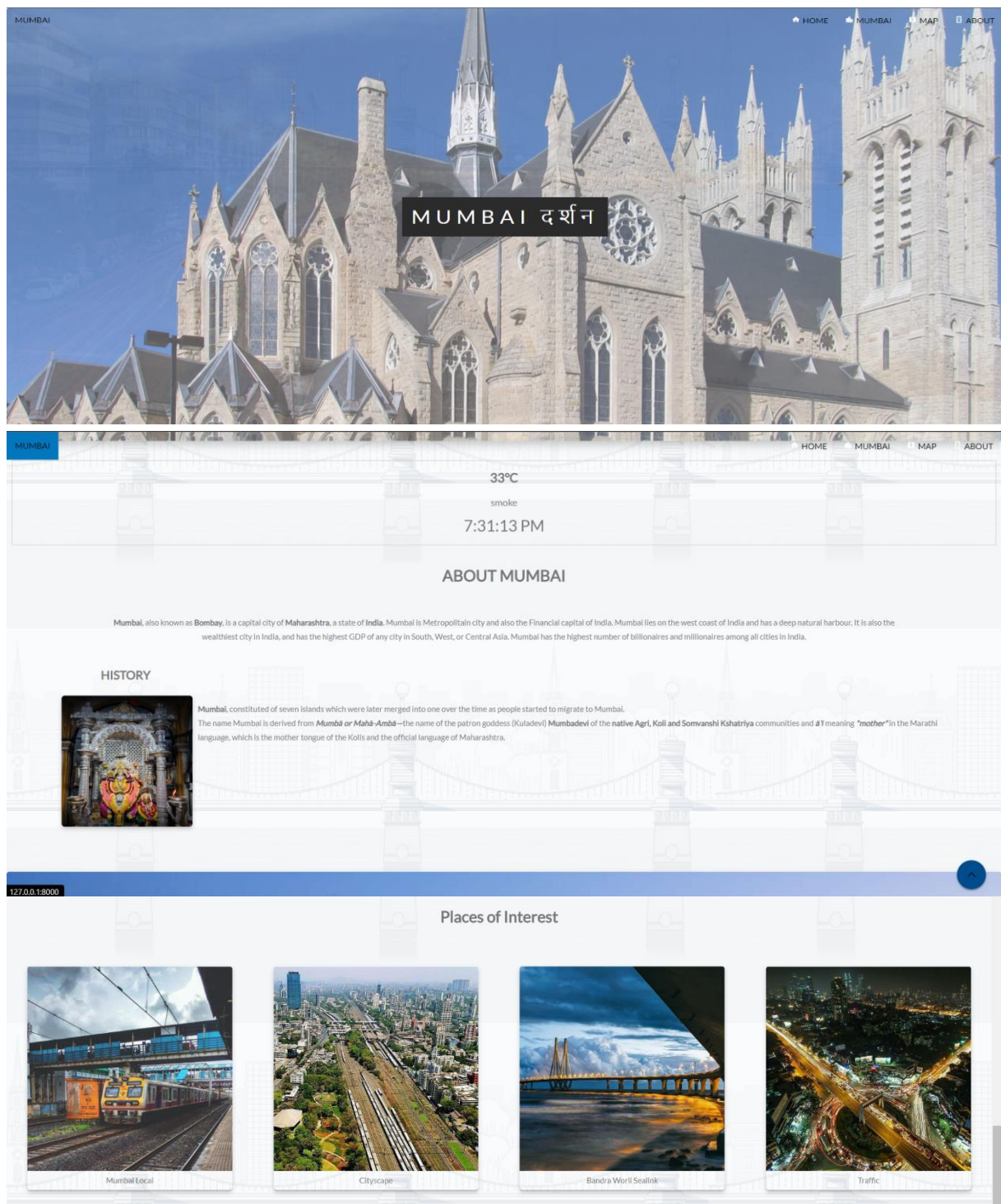


Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

GitHub Link - https://github.com/rish88c/python_TourGuide

OUTPUT



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)



Our website features an interactive map of Mumbai that was created from the ground up using Inkscape, a powerful open-source vector graphics editor. This map offers users a unique and immersive way to explore the city, with detailed information on the locations of various landmarks, attractions, and activities.

The map is designed to be highly interactive, allowing users to zoom in and out, pan around, and even click on specific points of interest to learn more about them. It is also fully responsive, meaning that it adapts to different screen sizes and devices, ensuring a seamless user experience across all platforms.

In addition to its functional benefits, the interactive map also adds an aesthetic appeal to our website, with its sleek and modern design and vibrant color palette. Overall, the interactive map is a valuable addition to our website, offering users an engaging and informative tool for exploring the vibrant city of Mumbai.

PLACES TO VISIT IN CHEMBUR

DIAMOND GARDEN



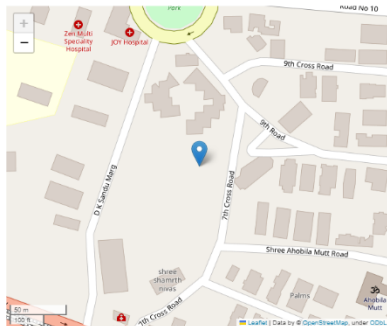
A popular landmark in the city of Mumbai, Diamond Garden is located in the central suburbs of the city. Officially known as Narayan Gajanan Acharya Udyan (named after a freedom fighter), the place is more prominent as the Chembur Garden. The garden is nothing more than a big stretch of green land in the midst of the city. A few stalls serving food can be found inside the park along with a few other hawkers. The place is a very common meeting point for different age groups. Maintained by the City Park Council, the park has a jet which was used during the country's historic 1971 war with Pakistan in the center and also a small temple.

Fine art, also referred to as "high art," has long been held up as the highest standard of artistic expression. Fine artists make work that is purely created to be aesthetically pleasing. The aesthetic purpose distinguishes the fine arts from the "low arts" which are traditionally designed for more practical purposes.

FINE ARTS



Map of Chembur Region



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

MUMBAI

HOME

MUMBAI

MAP

ABOUT



MUMBAI

PLACES TO VISIT IN COLABA

HOME

MUMBAI

MAP

ABOUT

GATEWAY OF INDIA



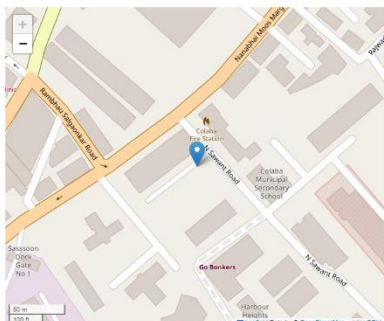
The Gateway of India is an arch-monument built in the early 20th century in the city of Mumbai (Bombay), India. It was erected to commemorate the landing of King-Emperor George V, the first British monarch to visit India, in December 1911 at Strand Road near Wellington Fountain. The foundation stone was laid in March 1913 for a monument built in the Indo-Islamic style, inspired by elements of 16th-century Gujarati architecture. The final design of the monument by architect George Wittet was sanctioned only in 1914, and construction was completed in 1924. The structure is a memorial arch made of basalt, which is 26 metres (85 feet) high, with an architectural resemblance to a triumphal arch as well as Gujarati architecture of the time.

JEHANGIR ART GALLERY

Established in 1952, Jehangir Art Gallery is more than a prime art exhibition space. Located in South Mumbai, it has been closely associated with the development of contemporary Indian art. Jehangir Art Gallery hosts exhibitions by painters, sculptors, print-makers, craftsmen, ceramicists, photographers and weavers. It regularly holds interesting lecture programmes, conducts workshops & discussions on various forms of art, laying stress on education for both the academically inclined and laypersons. Jehangir Art Gallery has provided a platform for aspiring artists, who have always availed the opportunities provided by the gallery to interact with the art fraternity at various levels. The gallery has continued to be a centre of activity for artists, connoisseurs of art, art-lovers and the public.



Map of Colaba Region



Project still in development Phase

CONCLUSION

1. Findings

- After building a website using the Python Django framework aimed at local tourism for a single city (Mumbai), several findings were made.
- Firstly, the website was able to provide detailed information about popular tourist destinations in Mumbai, including historical sites, restaurants, shopping centres, and hotels.
- Users were also able to search for specific locations and filter their searches by categories such as budget, location, and accessibility.
- Additionally, the website included features such as user reviews, ratings, and recommended itineraries to help visitors plan their trips better.

2. Applications of the project

- The website can be used by tourists who plan to visit Mumbai to get detailed information about the city's attractions and plan their itineraries accordingly.
- The website can also be used by local residents to explore and discover new places in their city that they may not have known before.
- The project can also serve as a blueprint for building similar websites for other cities and regions, enabling people to explore and discover the best tourist destinations in different parts of the world.

3. Future Scope (if applicable)

- In the future, the website can be expanded to include more cities and regions in India, and even other countries.
- It can also be enhanced with features such as real-time updates on tourist locations, weather updates, and social media integration, enabling users to share their experiences and recommendations with others.
- Additionally, the website can be monetized through partnerships with local businesses and services, such as hotels, restaurants, and transportation providers, to offer discounts and promotions to visitors who book through the website.
- With these enhancements, the website can become a one-stop-shop for tourists and local residents looking to explore and discover the best places in different cities and regions.