NAVIGO WEB APPLICATION

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Abstract— This Navigo Application is an online application which helps the end users to find the information related to the location by scanning or uploading pictures which is taken as an input and shows the address details, travel duration, office hours, by redirecting to google api website. Our main concept is to give the best and quick result to the user with free of cost, so users can register, and request required information or access locations.. This application is reliable to users with the advanced data storage system, and allowing fastest search time and interaction. Hence, Navigo App looks attractive, because it is lightweight, free, and does not require a predeployed infrastructure. However, it needs a preparation phase, to create the map of magnetic fields and calibrate smartphones. This technical paper shows the flow of Navigo application and also introduction of Navigo Merch application.

Keywords— Location Based Services, Navigo API; data; Artificial Intelligence as AI; Application as App; Newyork; Smartphone Application; upload/scan; New York; Navigo Merch as Navigo Merchandise.

1. INTRODUCTION

This application is a navigation web application where the users can scan an image to get access to its information, according to his/her criteria of requirement. The admin manages user accounts, service requests and also updates the information catalog regarding the locations of New York by adding, updating, and deleting. The main objectives are – the system should have an admin and user login, the admin should have end to end authority, scan or upload picture options. The user then requests for the information as per the result. Our website/web application also features a chatbot including support us page.

In this monotonous and materialistic world, where it is difficult to match the pace of the modern world everyone wants to receive a lot of information by doing just little. Today, technology is breaking down the barriers of how these tasks have traditionally been administered. In more and more organizations business practices are evolving in such a way as to blend new technologies as never before. Traditional typing is outnumbered by modern and evolving Al (Artificial Intelligence). The data will be stored properly in the database, which will help in view, alter, and update the information.

Our website/web application also features a chatbot. A chatbot is a computer program that simulates human conversation through voice commands or text chats or both. Chatbot, short for chatterbot, is an Artificial Intelligence (AI) feature that can be embedded and used through any major messaging applications. Our application provides a support us page which redirects to websites for whom advertisement is needed.

3. PROJECT REQUIREMENTS

Software Requirements:-Any version above Mozilla Firefox 4.0, Microsoft Edge, Google Chrome.

Hardware Requirements:-

- Any processor after Intel Core 2 Duo
- Any Operating System capable of running these browsers.

Functional Requirements: -

- A search bar where users will be able to search for locations, search history.
- Navigo4u.com should be able to look over the recommendations.

2. LITERATURE REVIEW

- Web application should be able to have the personalized chat rooms
- Navigo web application will be able to invite Friends.
- Navigo web application should be able to login and register.
- Navigo Web application should be able to provide a support page for advertisement of other websites.
- The user should have to enter email and password to access the application.
- The user who has logged in will have access to requested information.
- The customer should be able to use live chat to contact portal customer care.
- The user should be able to post new pictures with feedback/suggestions for provided information.

Technical Requirements: -

- This is a web application and will support web browsers as well as mobile web browser.
- This web and mobile application will be developed using postgre database, other technologies used would be HTML, CSS, Java script.

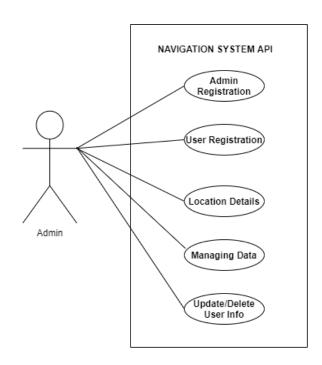
Usability Requirements: -

- This web application will be functional in all the major web browsers.
- This web application will have a simple user interface.

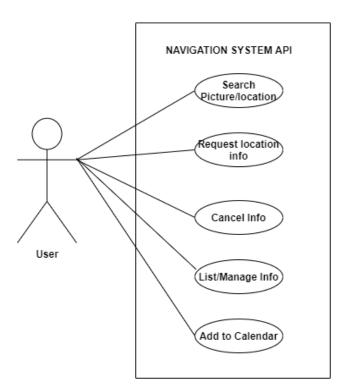
4.SYSTEM DIAGRAMS:

Use-Case Diagram:-

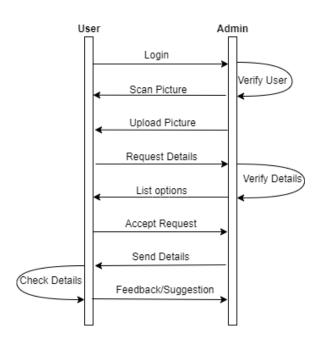
ADMIN-



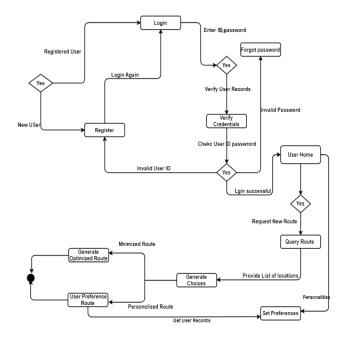
USER-



Sequence Diagram :-



Flow Diagram :-



5.DATABASESCHEMA

Database Schema is the overall Design of the Database. It is the skeleton structure that represents the logical view of the entire database. It tells how the data is organized and how the relations among them are associated.

Table Name:Listings

Description:To store the details of listings

Fields	Data Types	Constraints
id	INT	Primary Key
name	STR	
photo	STR	
description	TEXT	
location	STR	
address	STR	
phone	STR	

TableName:User

Description: To store the details of users

Fields	Data Types	Constraints
id	INT	Primary Key
Username	STR	
password	STR	
first_name	STR	
last_name	STR	
email	STR	
is_active	BOOL	
doj	DATE	

TableName: Navigation

Description: Includes means of travel, fares, and

weather.

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Fields	Data Types	Constraints
id	INT	Primary Key
travel mode	STR	
fares	INT	
weather	INT	
Recommendations	STR	

TableName:Search

Description: Holds the information regarding the user

searches.

Fields	Data Types	Constraints
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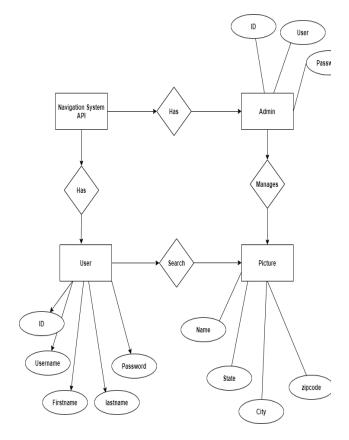
id	INT	Primary Key
scanned_image	STR	
location tag	INT	
History	STR	

Figure 1:

6.DATA MODELING

It is the process of creating a data model by applying certain formal techniques. A data model is a collection of concepts that can be used to describe the structure of a database, providing the necessary means to achieve this abstraction. By structure of a database we mean the data types, relationships, and constraints that apply to the data. Most data models also include a set of basic operations for specifying retrievals and updates on the database.

E-R Diagram :-



7.CONCLUSION AND DISCUSSION

Self-Analysis of Project Viabilities

Definitely, it is cheaper to use our application for navigation use because it is completely free.

Problems Encountered and Possible Solutions:

Scope Change: It's a mutual decision made by the team which involves adjustments to the scope, usage, timelines, other features of our applications as per the open source software.

Hardware Limitations

In the case of low or exhausted disk space, the issue is solved by extending the disk space.

8.SUMMARY

In the development of our application, we have completed implementing the search engine successfully for the end product. We gathered all the requirements for the project fields for implementation and executed the same. We have tested the sign up, login updates Database, creation of the database, the running status of our Software by entering different parameters.A Visual presentation of Database architecture and functionality is widely explained with ER diagrams. Functionalities that can be used by both admin and user are in implementation process. After the project design, we focus on the project execution phase. To ensure proper project control and monitoring, we must monitor it to track/debug errors and glitches, calculate key performance indicators and track variations from allotted cost and time. We finally close the project by delivering the finished project to the customer.

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