TOURISM SIMPLIFIED THROUGH VOICE

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Abstract— "Tourism Simplified Through Voice" is implemented specifically on Mumbai. This is an android app platform which is providing many features including voice commands. The app "Mumbai Guide" is designed for the user who wish to travel to Mumbai but don't have contacts or any recommendations. So, the extra expense of tours and travels will be reduced due to this app. User can choose amongst given languages and chosen language will be reflected throughout the session. User can see weather, map explore places and see places information and nearby restaurants, hotels are given and user can plan their trip with verified travel partner of Mumbai Guide, on search of particular place the relevant information is provided, such features are provided.

Keywords: Mumbai Guide, Voice input, languages.

I. INTRODUCTION

Mumbai Guide is a free and open platform without the bound of registration. The project is based on the user requirements to have detailed information, nearby hotels, nearby restaurants for any specific place being physically present or not. It reduces the language barrier which is most common in human interaction as well as while using system. He doesn't have need to type to touch each time, voice commands will perform all tasks. The chosen language by the user will reflect till the end of the session. As there should be ease of communication and user-friendly UI there is no need to login or register before using the app. User can come and go any point of time being anywhere. The user can get the relevant information by clicking live picture of any place and on uploading he can get the information related to the image in previously chosen language. User will get the option of exploring the city Mumbai and to plan their trip based on his suitable options. He can see the images of famous places of Mumbai and see information related to it as well as he/she can check live weather and map option is also provided to fetch the route using Google map API. Everything by sitting at home, just a click away.

1) Google Map: For showing current location and show the searched location on map
2) Weather Forecast: For showing current location weather and weather of search city
3) Text to Speech: For reading the content
4) Speech to Text: Using recognize the voice and perform that activity
5) Mail Service: Sending a Feedback Mail
6) SMS Service: Sending a SMS to the trip advisor about trip planning
7) Language: Choosing language according to the user
8) Hotels, Restaurant's data: Read more offline information about restaurants and book a hotel room
9) Wikipedia: For getting more online information about places
10) Camera: To read more information about places

II. OBJECTIVE

The main objective of "Mumbai Guide" is to have as many users as possible. And for that we have tried to overcome with all the barriers which stops users from using the app. From literature survey we found constraints which stops user to interact and we tried to implement them and integrate in this one single platform. We have kept this platform an open so there won't be any requirement for user to login or register.

III. LITERATURE REVIEW

1. Expense

Analysis on 'Expenses' issues Anyone planning a holiday will have to go for a tours and travels to not knowing places. But instead, there are simpler apps who shows and gives details of such places where

user can go. In such a way the expense of travels will be reduced and secured money can be invested in other ways.

2. Language Barrier

Analysis on 'Language Barrier' issues English is common language worldwide, but what about if people doesn't understand it? Within Indian there are more than 10 languages which are spoken. To make an ease to understand in guidance of travel, one can access from anu where anytime with his suitable language option and no need of typing will be required. One can speak and have communication.

3. Report Reviews

Analysis on 'Reports / Reviews' issues If something new arrives, people just don't go to buy that, or use that, before that he will always see other's response to it. For example – for going to watch a movie, there should be 1) Famous actor, actress and 2) The reviews of other people on that movie and ratings by boards. On that basis one decides to watch that movie or not

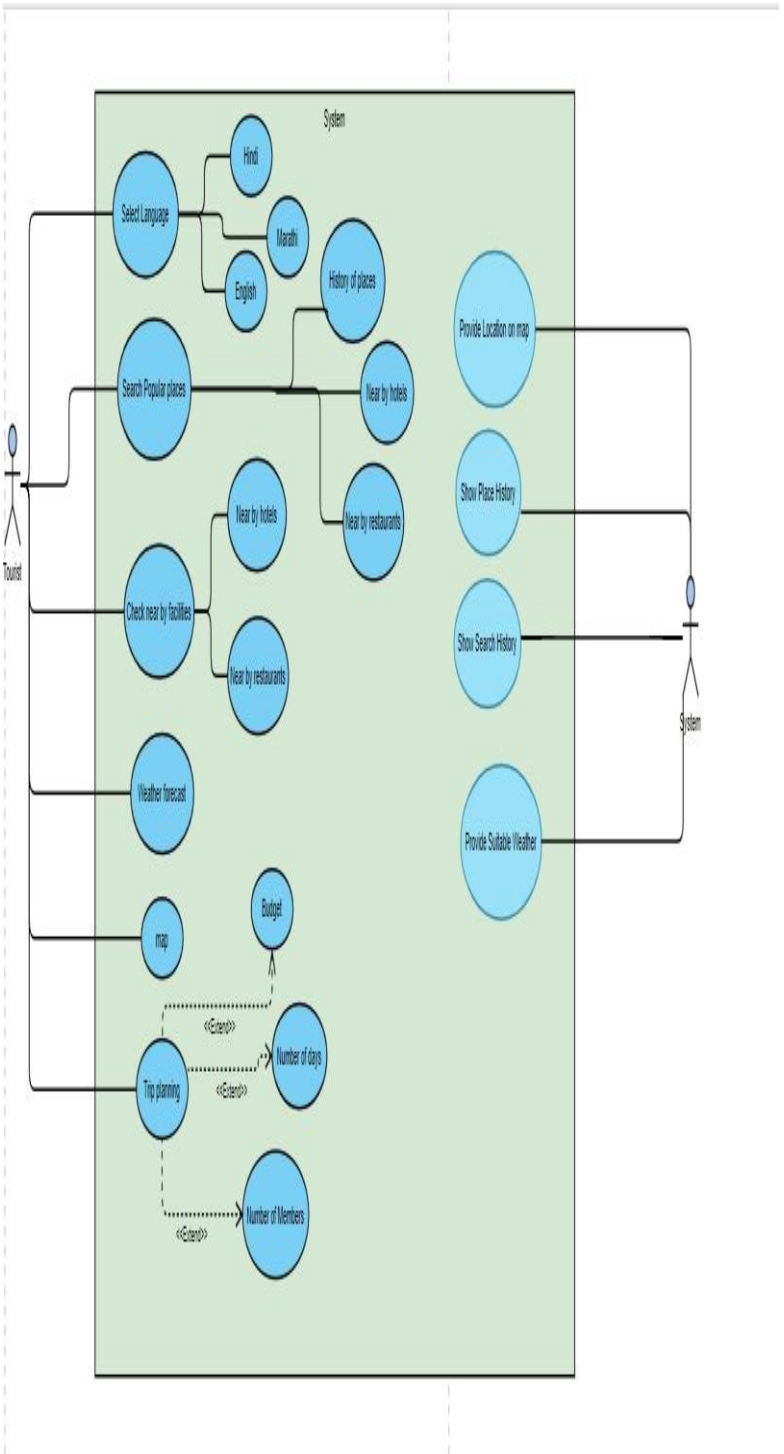
4. Glance/weather/overview

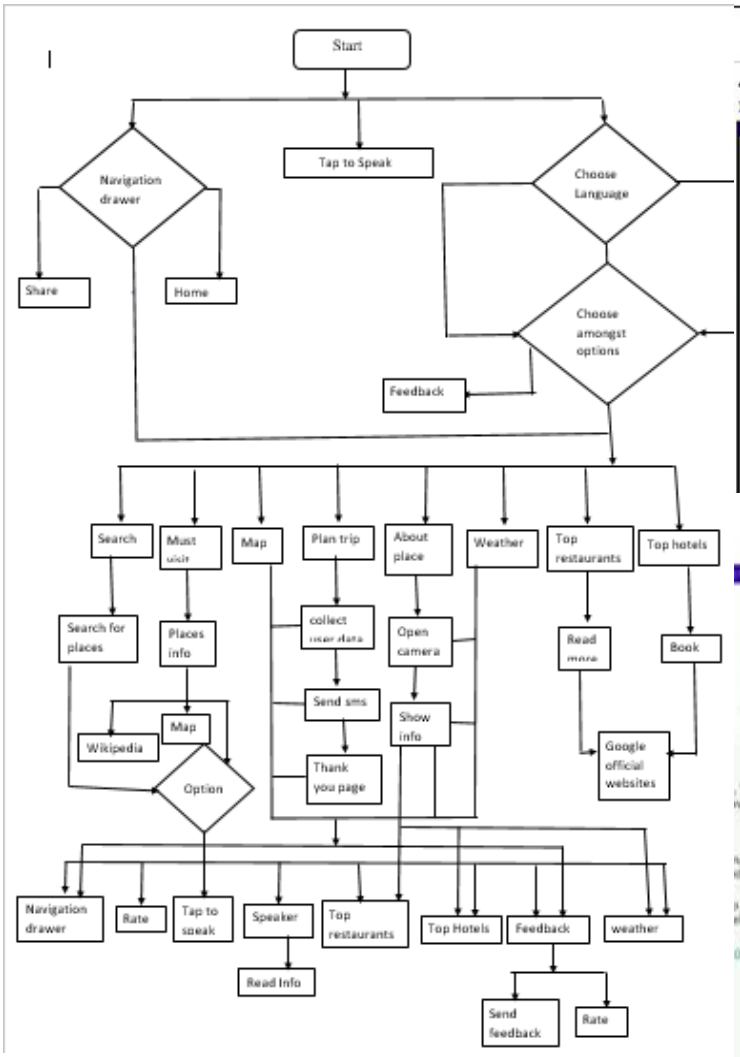
Analysis on 'Glance / Overview / History / Weather issues When we need to make a travel app then weather is important function to have attention or history of any places can be displayed so that after reading and images of that place it might excite the person to visit.

FINDINGS FROM LITERATURE REVIEW

Using existing system, we found the missing and important part i.e., voice communication in chosen language. Hence, we choose to integrate every important feature from existing systems and innovatively add voice communication with chosen language enhancement, this will help user to have accurate and required results.

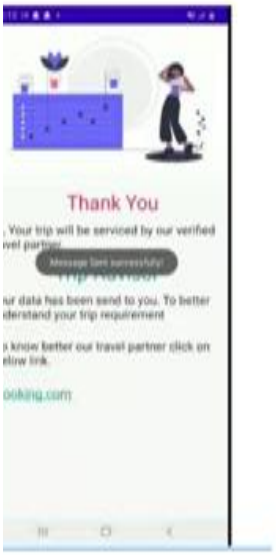
IV. PROPOSED SYSTEM





•SEARCH FEATURE IS PROVIDED, FOR USER IF THEY KNOW ANY PLACE OF MUMBAI THEN CAN SEARCH AND GET THE INFORMATION.

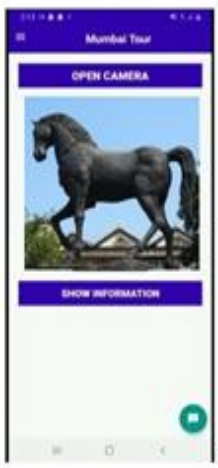
•ON EVERY INFORMATION PAGE, THE TAP TO READ(SPEAKER) BUTTON IS ALSO PROVIDED WHICH WILL REDUCE THE NEED TO READ.



Mumbai Guide app is going to have module wise features. The main objective is to have voice commands within the app and another part is to have multiple language feature. In all different modules this main 2 functions with quick navigation is provided.

Each module is specifically designed.
In such a way these module are working and reducing the need of travels.
Below is the given technical flow of the project in form of Use case diagram.

- If user is at the particular place and if he wants to know about the place then us can click the picture and get respective information.



V. RESULTS

- User can search weather of any place.

•USER CAN MANUALLY SEARCH ANY PLACE ON MAP FEATURE IS PROVIDED.

•ON DOUBLE CLICKING BACK BUTTON, EXIT IS WORKING.

•NAVIGATION DRAWER WILL BE ON ALL PAGE. ALL MODUL AND SHARE OPTION IS PROVIDED.

•RESPECTIVE PLACES IS HAVING MAP BUTTON, CLICKING ON WHICH IT WILL DIRECTLY SHOW THE ROUTE FROM USER'S LOCATION TO THE DESTINATION.

•USER CAN RATE THE PLACE WITH OPTION OF STA

•The information of famous places in Mumbai is provided offline, And further if he wants more information then online platform is also provided which is Wikipedia.

•TO MAKE APP MORE USEFUL, CHOOSE LANGUAGE OPTION IS PROVIDED. WHERE USER WILL HAVE EASE OF SELECTION OF LANGUAGE.

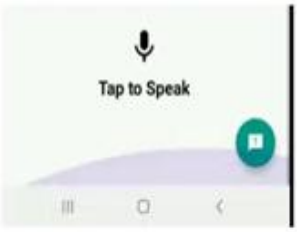
•IT BECOMES MORE USER FRIENDLY WITH TAP TO SPEAK BUTTON, WHICH ACCEPTS ALL COMMANDS WITHIN THE APP.

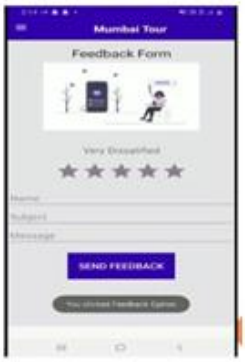
•RESPECTIVE PLACES WILL HAVE OPTION OF FAMOUS RESTAURANTS NEAR BY WITH THEIR TIMINGS AND CATEGORY.

•RESPECTIVE PLACES WILL HAVE HOTEL RECOMMENDED NEAR BY SO THAT BOOKINGS CAN ALSO BE DONE.

•THEY CAN WRITE US ANY QUERY DIRECTLY VIA MAIL AND CAN RATE THE APP AS WELL.

•'ASK ME' OPTION IS ON EVERY PAGE.





•ENTIRE TRIP CAN BE PLANNED WITH TRAVEL PARTNER AFTER ASKING AND SENDING BASIC INFORMATION.

VI. CONCLUSION AND FUTUREWORK

Conclusion

Hence, the user who wish to travel to Mumbai will have all facilities so that he doesn't need any dependency to travel. Basic aim is to have user friendly environment where user can freely search and get respective satisfactory results. In one platform only, his/her work should be done so no need will be there to visit multiple websites or apps or have human guide and expense more money.

Future scope

The main thing which can be performed in future is, this app is bounded within a region i.e for Mumbai, so in future this features should get provided for all over the world. In future, the app can also hold the power of showing famous activities with prices and different constraints can be reduced. The tour guide can be verified. In camera feature ML can be added that will make the app more effective. If the user is moving towards any specific region then the planning and plotting can be provided for user to move accordingly.

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