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Gujarat Travel Guide-An Innovative Application to Seamlessly Explore Cities of Gujarat

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ABSTRACT: The purpose of this study is to improve tourism related applications for Gujarat state which currently provides only single city information and not for the entire state of Gujarat (various cities). This is done by combining various cities of Gujarat and including them in one application along with the famous places in those cities. The user can get information about various hotels, restaurants, shopping malls, movie theatres and bank ATMs that are nearby with the help of google maps all in one app rather than accessing multiple apps for each individual city. Other feature is helping the user track his/her own location, providing them related tourism videos by using youtube and enabling registered users to give feedback.

KEYWORDS: User, registration, hotels, restaurants, shopping malls, movie theatres, bank ATMs.

I. INTRODUCTION

The project Gujarat Travel Guide typically enables user to track his/her own location and it is used to provide information about various places located in different cities to the user who is completely unknown to the city. The user can also give feedback based on his/her experience regarding the application but for that registration is compulsory. After opening the application the user is first asked to register. After registration he/she can login by username and password that are set by them while registration. The user then has to select the city he/she wants to search for and it displays the best places that can be visited in that particular city. It provides brief information about that place and city as well. After selecting the place it displays different categories like hotels, restaurants, shopping malls, movie theatres, bank ATMs, etc. When the user selects a particular category, google maps searches for that category in the radius of 0.5 m to 1 km and displays a complete list of searches related to that particular category along with the address, map etc. Additionally user can also watch related tourism videos. This application is easy to use and saves the time of user.

II. SCOPE

- This application is used to track user's current location using google maps .The user can reach to the desired location using application preferred attraction or other places.
- This application is very useful for a person who is completely unknown to the city.
- The user can perform the following:-
- When user uses this application for the first time, registration is required and the username and password set at that time can be used for login. The user select the city, the place in that city and select various categories like hotels, restaurants, shopping malls, movie theatres, bank ATMs and provide feedback.

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Vol. 6, Issue 11, November 2018

- User Characteristics:-

There are 2 types of user:

- Admin
- Registered user(Client)

III. TECHNOLOGICAL AND LITERATURE REVIEW OF PAST SYSTEM

- Studied the working of Gujarat Tourism [1][2][3][4] application which is available at the play store for Android users.
- Also searched for similar application in iPhone but there were applications related to particular city and not the whole state.
- So decided to create an application related to all cities for the state.

IV. SYSTEM ANALYSIS

A. Proposed System:-

Registration	Login	Hotels	Restaurants
Shopping Malls	Movie Theatres	Bank ATMs	Feedback

Table 4.1 This table describes different types of facilities that the user can use

V. DATA MODELLING

- Use case diagram:-

User:-

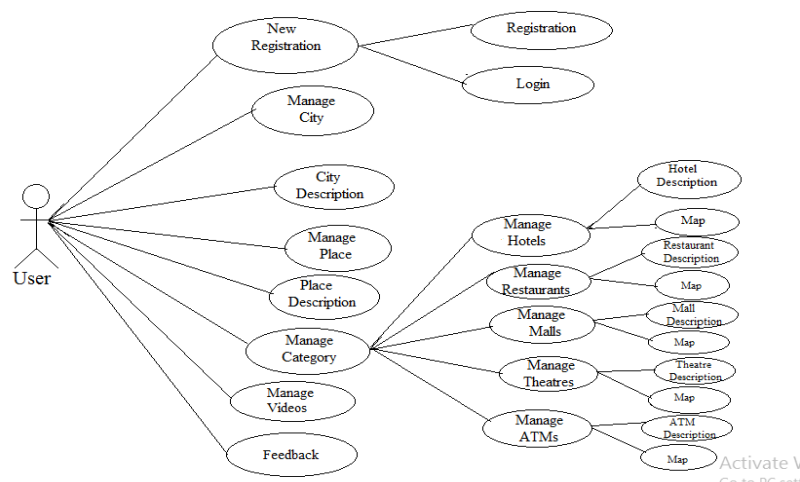


Figure-5.1 User use case diagram which demonstrates various activities done by the user like registration, login, visiting cities, places in those cities, tracking owns location, watching videos and giving feedback

International Journal of Innovative Research in Computer and Communication Engineering

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Website: www.ijircce.com

Vol. 6, Issue 11, November 2018

Admin:-

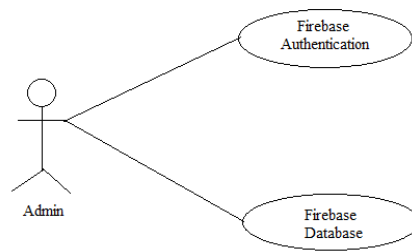


Figure-5.2 Admin use case diagram which demonstrates authentication and database managed and controlled by the admin.

VI. SIMULATION RESULTS

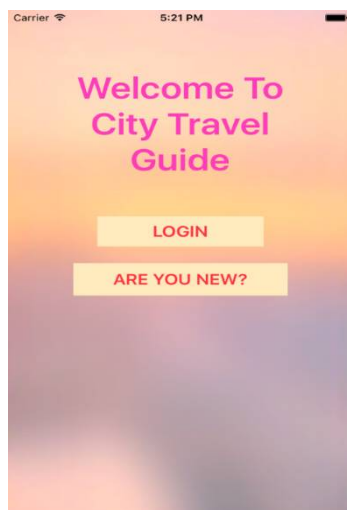


Figure-1 Home Page

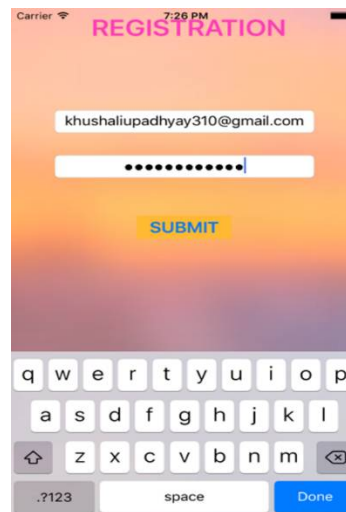


Figure-2 Registration Page

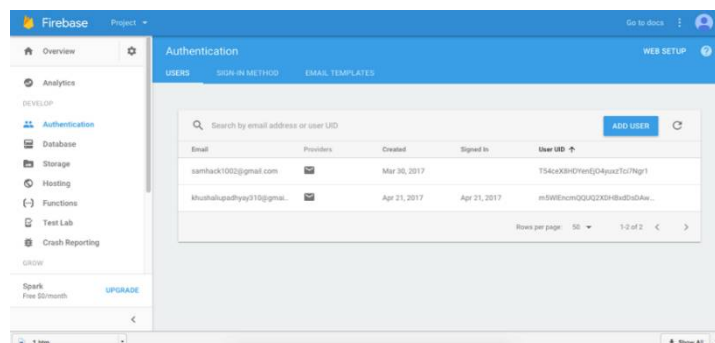


Figure-3 Database Page

International Journal of Innovative Research in Computer and Communication Engineering

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Website: www.ijircce.com

Vol. 6, Issue 11, November 2018

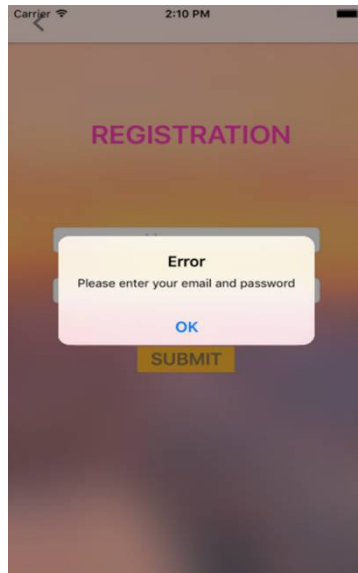


Figure-4 Authentication process

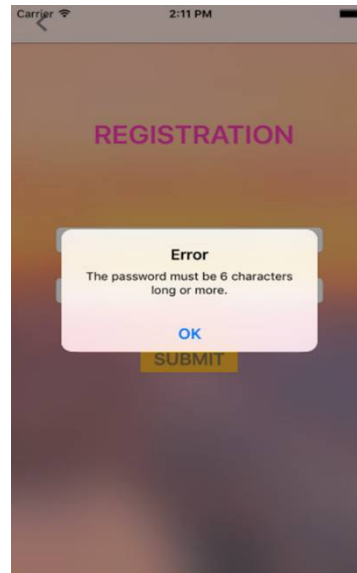


Figure-5 Authentication process

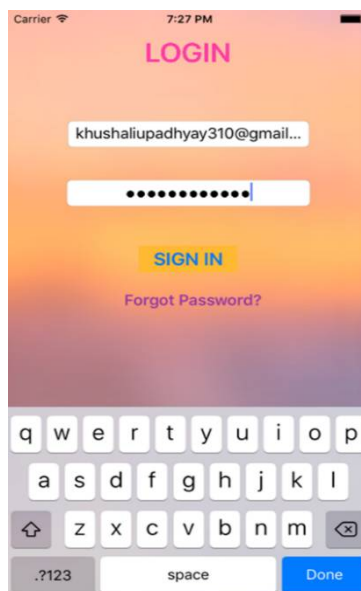


Figure-6 Login Page

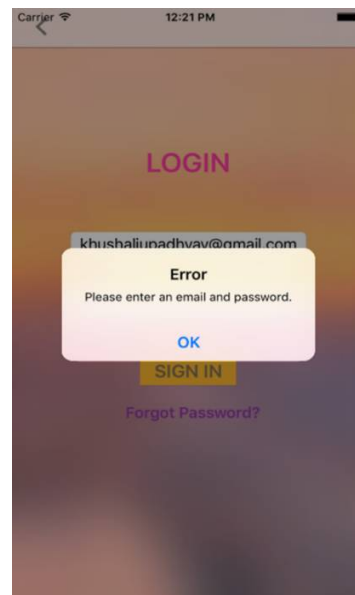


Figure-7 Authentication process



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Vol. 6, Issue 11, November 2018

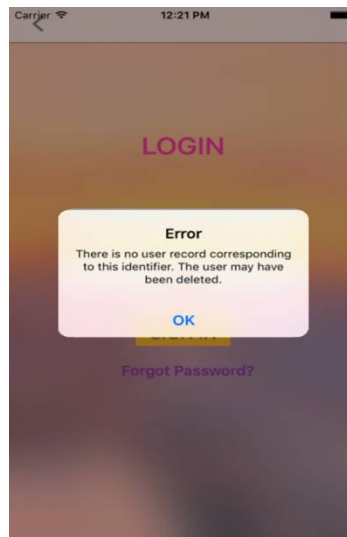


Figure-8 Authentication Process

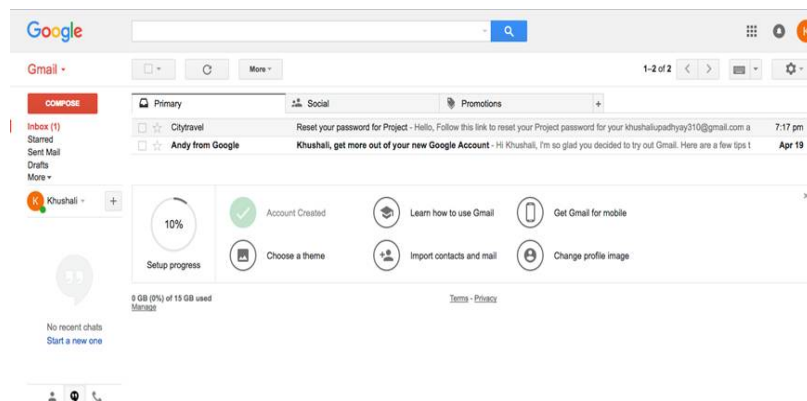


Figure-9 Gmail Page

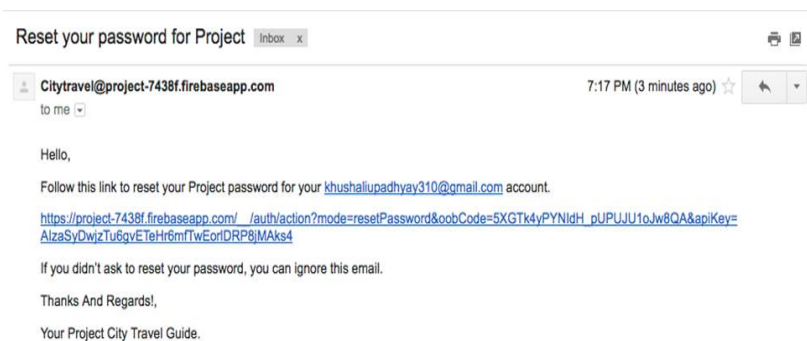


Figure-10 Reset Password Link Page



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Website: www.ijircce.com

Vol. 6, Issue 11, November 2018

Reset your password

for **khushaliupadhyay310@gmail.com**

New password
.....

SAVE

Figure-11 Reset Password Page

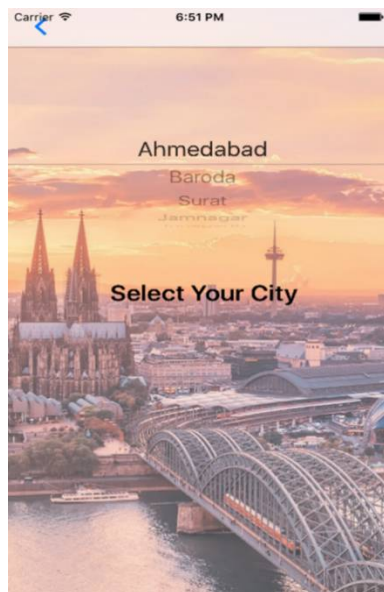


Figure-12 City Selection Page

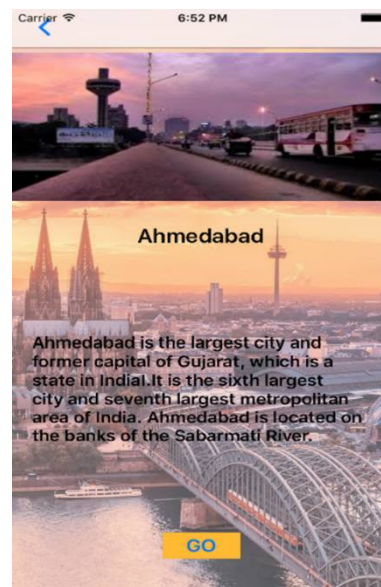


Figure-13 City Page

International Journal of Innovative Research in Computer and Communication Engineering

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Vol. 6, Issue 11, November 2018

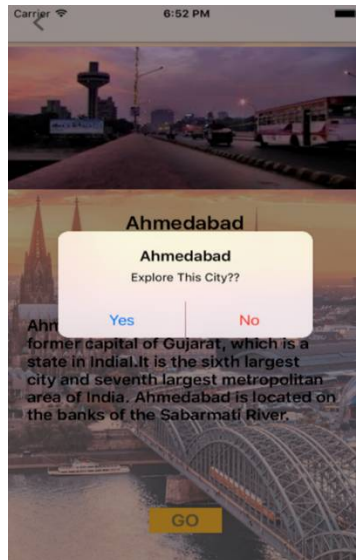


Figure-14 User Permission Process

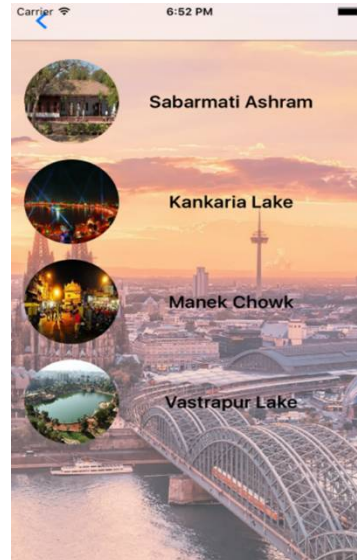


Figure-15 Place Selection Page

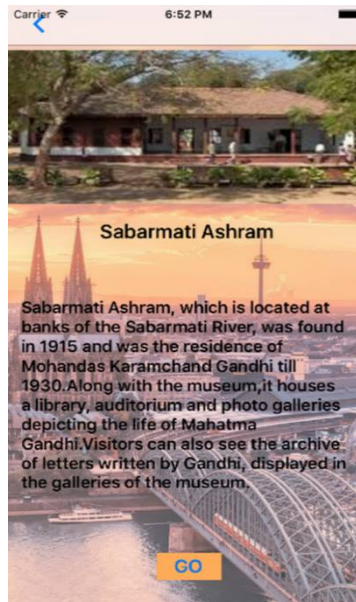


Figure-16 Place Page

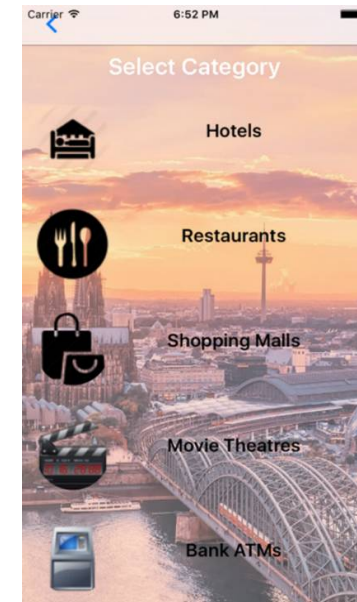


Figure-17 Category Selection Page

International Journal of Innovative Research in Computer and Communication Engineering

(A High Impact Factor, Monthly, Peer Reviewed Journal)

Website: www.ijircce.com

Vol. 6, Issue 11, November 2018



Figure-18 Search Results Page

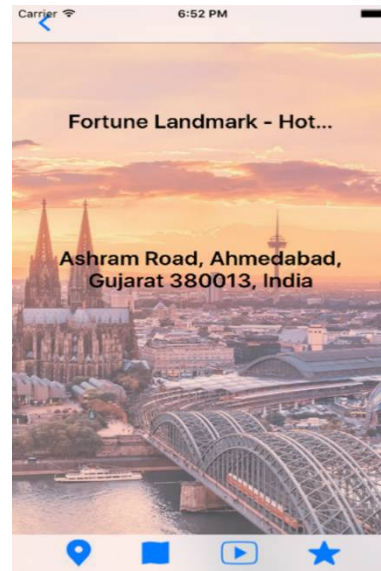


Figure-19 Address Page

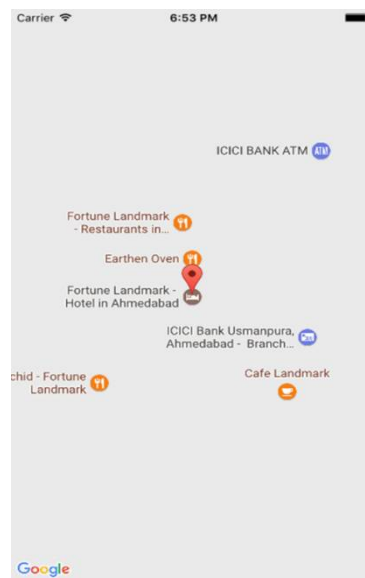


Figure-20 Google Maps

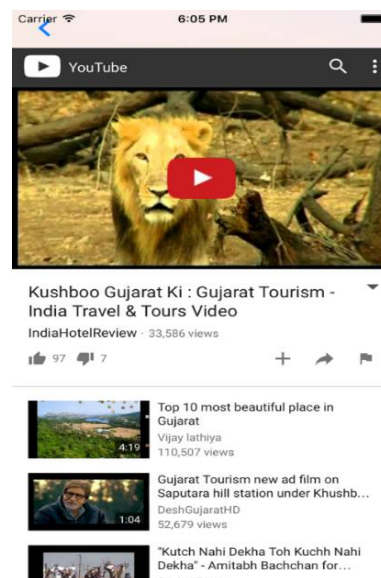


Figure-21 Related Videos Page

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Vol. 6, Issue 11, November 2018

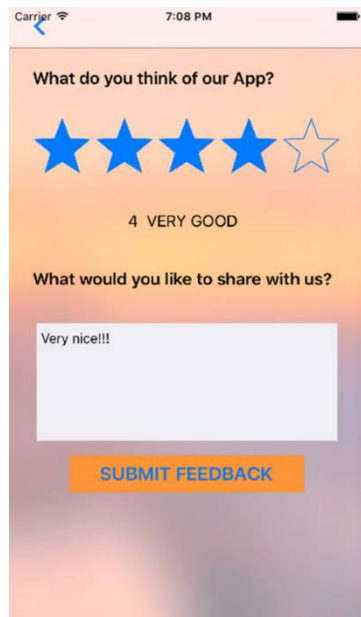


Figure-22 Feedback Page

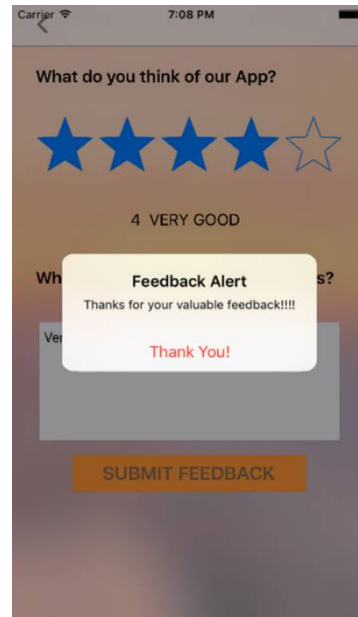


Figure-23 Feedback Alert Process

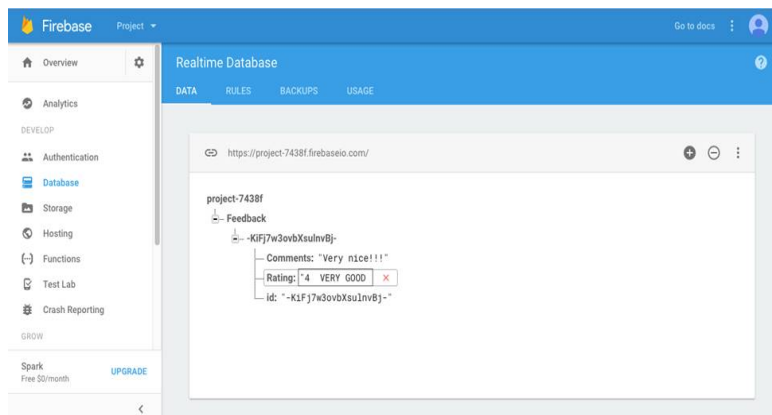


Figure-24 Database Page

VII. CONCLUSION AND FUTURE WORK

• Conclusion:-

This application focuses on providing detailed information of various cities and places in those cities related to Gujarat state. Moreover, the user can get information about various hotels, restaurants, shopping malls, movie theatres and bank ATMs that are nearby, can track his/her own location, watch related tourism videos and registered user can also give feedback.

• Future Work:-

- In the future, signing in with social networking can be applied in the application [5][6].
- More cities can be added.



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