Mobile Application For Char Dham Yatra

Ruchi Vyas[1], Rohit Soni[2], Aman Soni[3], Gitesh Kumar Jain[4],

Vishal Paliwal[5], Yashovardhan Jain[6]

Assistant Professor, Computer Science and Engineering, Geetanjali Institute of Technical studies, Udaipur, India[1]

Student, Computer Science and Engineering, Geetanjali Institute of Technical studies, Udaipur, India[2, 3, 4, 5, 6]

Abstract:Today's world is full of digital visual information. Image analysis tool is important for detecting and organizing marine damage of visual data, in this travel guide people give city map on their mobile phone, they get it on your Android phone. The map will help travelers find the place they want. Vices also have content outside the site, such as how to reach their site and what to do. This travel guide app is designed for those who love to travel and often travel alone.

Keywords*: Firebase, Mobile App, React JS, Places API

I. INTRODUCTION

Uttarakhand is a state of great beauty and famous temples and holy places visited by many Indians and foreigners. Tourists visit Uttarakhand for the purpose of CHAR DHAM YATRA. Travel to the state to explore places, natural beauty, mountain and hill station etc. There are some reasons as well. The main idea behind this project is to create an Android app that helps travelers find better places instantly.

Tourists can find hotels, museums, parks, etc. in the new city (UTTARAKHAND) that they do not know. This Android Travel Guide project provides travelers with a city map based on the current location entered by the user's Android phone. This information will help tourists find places they need to visit. Well, these places or how to get there and hospital, institution, bus stop, etc. it contains all the details of other emergency locations but provides easy information for deciding where to go. This project only focuses on situations where tourists do not know where they want to go.

The scope of our study is only for Uttarakhand tourists. Also the people of Uttarakhand can use this app to know the route and cost from place to place in different modes of transport.

The purpose of this project is to improve facial recognition in Android to determine whether facial recognition is useful, it is important to use a specific metric as a basis for comparison. These include:

Providing consumers and travel agents with the best travel services

The aim of the project is to develop an android-based To determine whether or not the face detectors are effective, it is important to use specific metrics as a baseline for comparison. Among them are the following:
1. To provide best travelling service to customers and travelling agents
2. To provide a search platform where a tourist can find their tour places according to their choices.
3. To promote responsible and interesting tourism so that people can enjoy their holidays at their favourable places.
4. To develop tourism with different cultures so that they enrich the tourism experience and build pride

II. LITERATURE REVIEW

This is a collection of related literature, systems, projects and studies that is closely related to the system entitled tour guide information system. Mobile Tourist Guide – An Intelligent Wireless System to Improve Tourism, using Semantic Web According to the Semantic Web the next generation web is the version of having background knowledge about the meaning of web sources stored in a machine process able and interpretable way. The area of tourism is highly dynamic area that currently already extensively uses the available Internet technologies. However, the shortcomings of the existing technology are that information finding and extraction as well as the interpretation of the information contained in the web sources is left to the human user. The management and interoperation of semantically diverse tourism information system are facilitated by Semantic Web Technology

that provides methods and standards, which allow accurate access to information as well as flexibility to comply with needs of tourism information system users and administrators. In this research project we introduce a new Semantic Web framework that can enable knowledge sharing and reuse. The Semantic Web uses agent technologies to formally model information represented in web resources. This makes it accessible to humans and computers working together, perhaps in conjunction with intelligent network services such as search agents. (Hasselt, Belgium 2010). A literature review is considered the most appropriate and valid approach

as it paves the way for researchers to structure a research field while forming the backbone of any piece of research being carried out (Chang and Katrichis, 2016;Easterby-Smith et al., 2012). The most significant advantage of literature reviews is that researchers can find a gap in the literature that needs to be filled (Kwok et al., 2017) through benefitting from extant studies that also offer directions for future research (Brouder, 2014). .... The convener's facial expressions may influence the flow of speech and convey contextual information to the listener. Faces reveal deep emotions. This research provides a method to recognize the facial area with the most emotional information. This study detects a specific facial area instead than all facial elements. This face expression recognition method is quicker than others. For classification, a fusion technique using HOG and LBP features was employed. Thus, in order to develop an integrated approach with the aim of conceptualizing tourist behaviour in times of crisis, the present study employs content analysis with relevant keyword indexes to classify the articles that are most frequently used by scholars. This is intended to solve a diverse range of problems among academic research (Chang and Katrichis, 2016) that fits best with the general characteristics of qualitative research (Seuring, Müller, Westhouse and Morana, 2005).. However, an excellent tourism performance should not be merely attributed to the non-monetary benefits (e.g., visitors' repurchase behavior /intention) or the momentary befits (e.g., profitability/return of investment) without concerning with environmental/socio-cultural impacts surrounding (e.g., Neto, 2003;Stange et al., 2011). Therefore, the term "sustainable tourism" seems better viewed as a universal value rather than a research interest as it could be applied to any other tourism research interests (Chang & Katrichis, 2016).

III. OBJECTIVE

The scope of our project is mainly for the travellers of Uttarakhand state. Moreover, the people of Uttarakhand state can also use this application for knowing the route and source to destination cost by different transportation medium. And the objective of the project is to develop an android-based application which includes:

1. To provide best travelling service to customers and travelling agents
2. To provide a search platform where a tourist can find their tour places according to their choices.
3. To promote responsible and interesting tourism so that people can enjoy their holidays at their favourable places.
4. To develop tourism with different cultures so that they enrich the tourism experience and build pride.
5. To provide a better way to connect with various event.
6. To help the tourist in finding best place to visit.
7. To provide the professional service to visitors.

IV. PROJECT DESCRIPTION

When you download and see the Android Tourist Guide App project, then you will see many files and folders. Below is a description of some of them, which you should know before you proceed:

1. A **Firebase project** is like a container for all your apps and any resources and services provisioned for the project.

2. A Firebase project can have one or more **Firebase Apps** registered to it (for example, both the iOS and Android versions of an app, or both the free and paid versions of an app).

All Firebase Apps registered to the same Firebase project **share and have access to all the same resources and services provisioned for the project**.
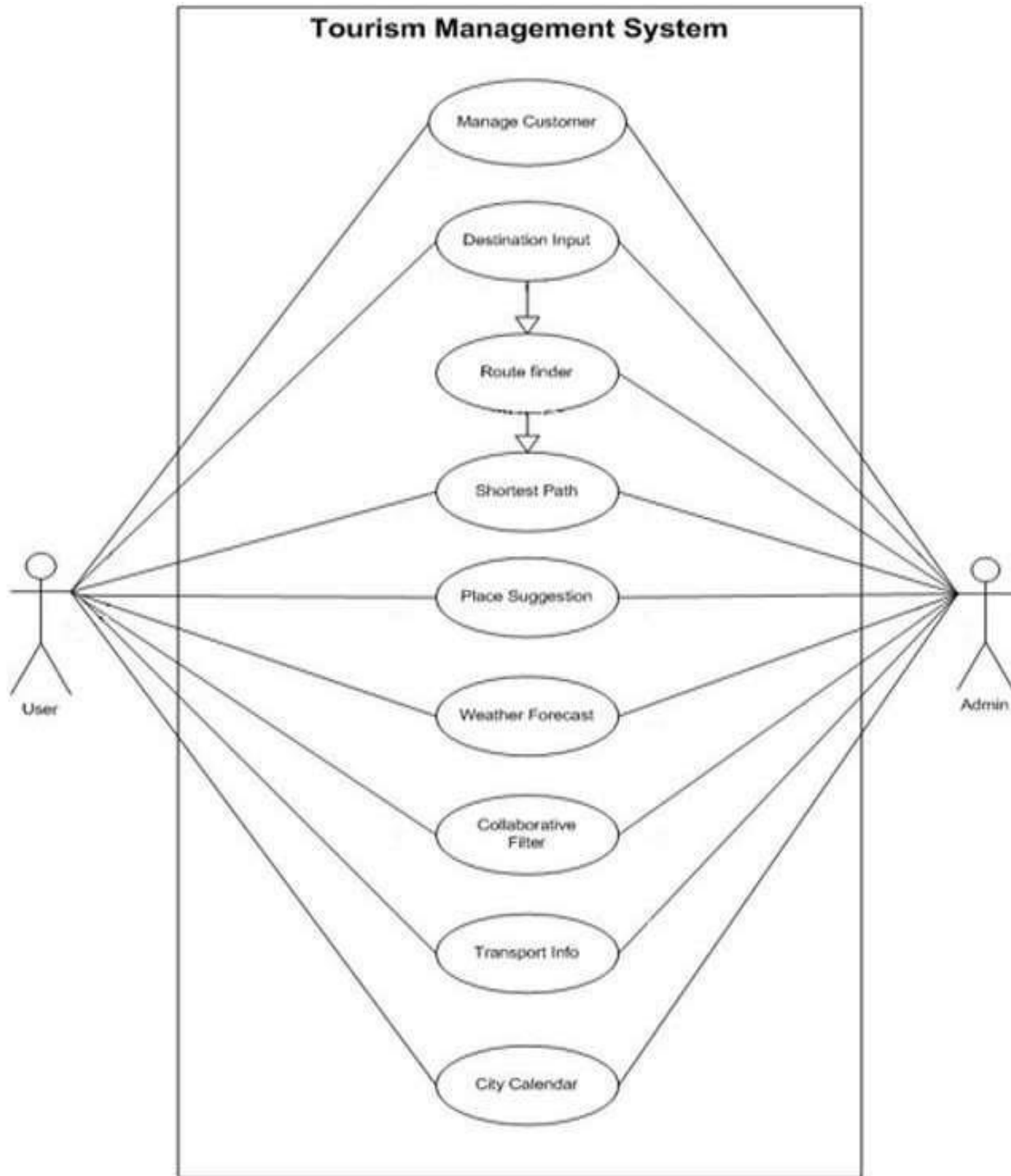
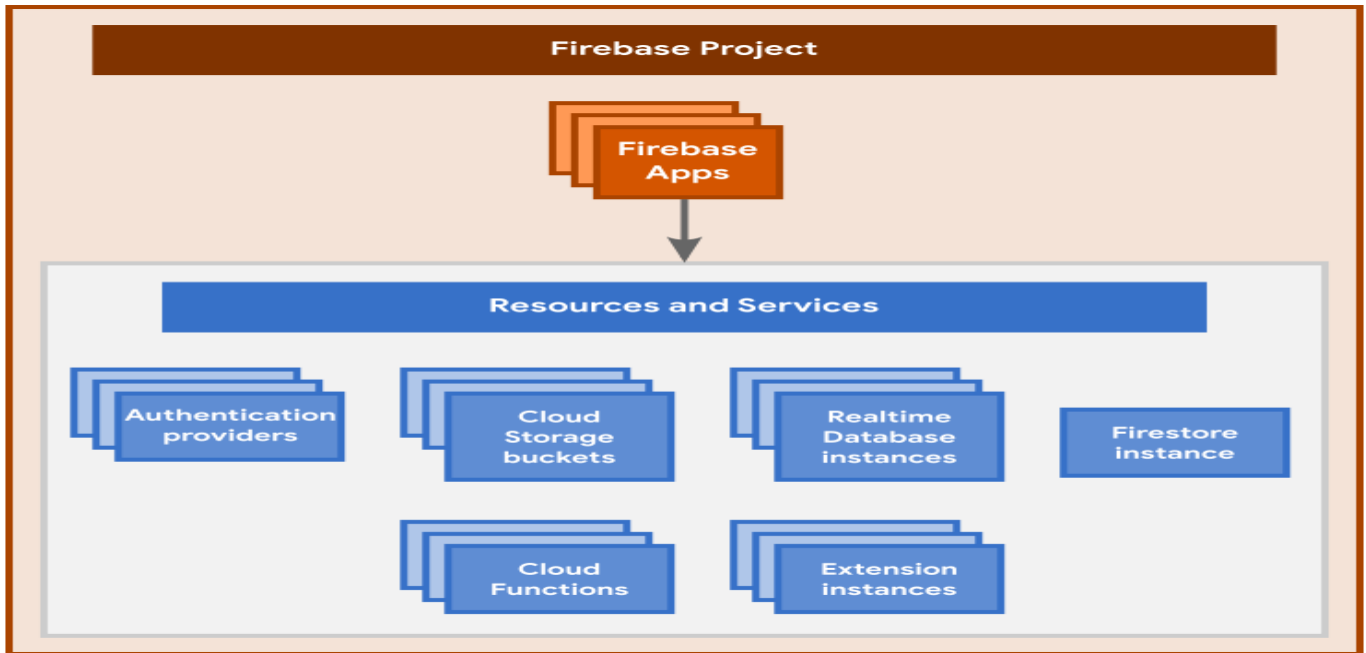## V.   FLOW CHART

Figure 1: Flowchart

FIGURE 2: FIREBASE

VI. TECHNOLOGIES USED

A. React JS

The ReactJS tutorial provides a basic and advanced overview of ReactJS. Currently, ReactJS is one of the most popular JavaScript front-end libraries with a strong foundation and large community.

ReactJS is a generic, efficient and flexible JavaScript library for creating reusable objects. It is an open-source, component-based, front-end library that is only responsible for the view layer of the application. It was originally developed and managed by Facebook and later used in its products such as WhatsApp and Google. Instagram.

ReactJS Tutorial includes all the topics to help you learn ReactJS. These are ReactJS Intro, ReactJS Features, ReactJS Setup, ReactJS Pros and Cons, ReactJSX, ReactJS Components, ReactJS State, ReactJS Hardware, ReactJS Forms, ReactJS Events, ReactJS Animations and much more.

The main purpose of ReactJS is to create user interfaces (UIs) that speed up applications. It uses virtual DOM (JavaScript Object) to enhance the functionality of the application. JavaScript virtual DOM is faster than regular DOM. We can use ReactJS on client and server side and other projects. It uses objects and data structures to increase readability and help manage larger applications.

B. Firebase

Firebase tutorial is designed for both beginners and professionals. Our tutorial provides all the basic and advanced services knowledge, such as Real-time Database, Cloud Messaging, Hosting and Crash Reporting, etc.

Firebase is a Backend-as-a-Service, and it is a real-time database which is basically designed for mobile applications. This tutorial is designed in such a way that we can easily understand or can perform the service of Firebase in a very efficient way.

Firebase can be used for Android, iOS, Web, or Unity. In this tutorial, we perform Firebase services for Android. So, it is essential to have basic knowledge of Android Studio. A good understanding of basic JAVA and XML is required that allows us to understand the concept of Firebase better.

C. Places API

The Places API is a service that accepts HTTP requests for location data through a variety of methods. It returns formatted location data and imagery about establishments, geographic locations, or prominent points of interest.

Create location-aware features to make detailed location data easily available to your users. The data available through the Places API is built on one of the most accurate, up-to-date, and comprehensive place models of the real world. Here are example use cases for applications:

1. Display condo rentals within major metropolitan areas with results targeted specifically to cities.
2. Include place details in a pickup or delivery status update.
3. Display a list of parks in an area along with user-submitted photos and reviews.

4. Provide people planning trips with contact information, reviews, and price levels for establishments along the way.
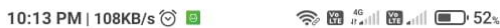
VII. RESULT AND DISCUSSION

We present the design of android-based tourist guide system. The system is based on three-layer architecture. The system provides the information query of tourist places, Hotels, Restaurants, Museums, Live shows and so on. The system is a combination of Smart-phone and Internet to facilitate the tour of user. Among the many existing management models, perhaps the results based management system is one of the most demanding collaborations, requiring constant commitment and a sense of teamwork from the employees of a company.
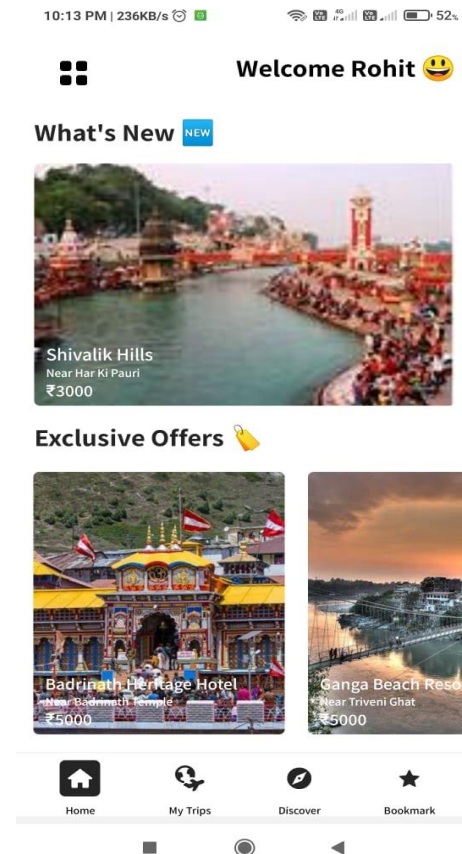
There is a double demand that, in the face of an increasingly competitive market, each day's performance must exceed the previous days. On one side are consumers looking for the best products and services for more attractive prices, and the other are the executives and shareholders of companies, which always require more satisfactory results.

In this context, managers need to make important decisions, like defining and prioritizing the most important actions of a company, directing the main financial and human resource investments in such a way to reap the best results.
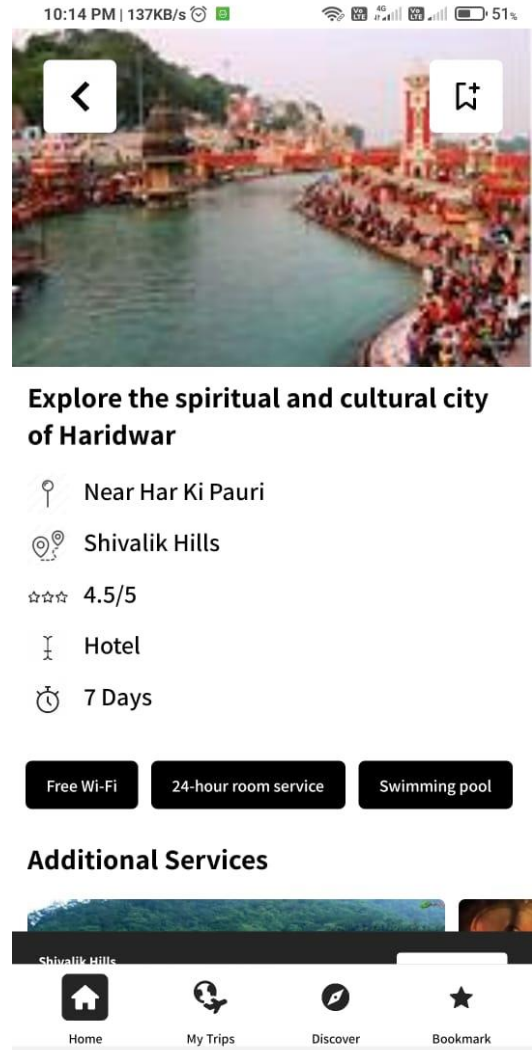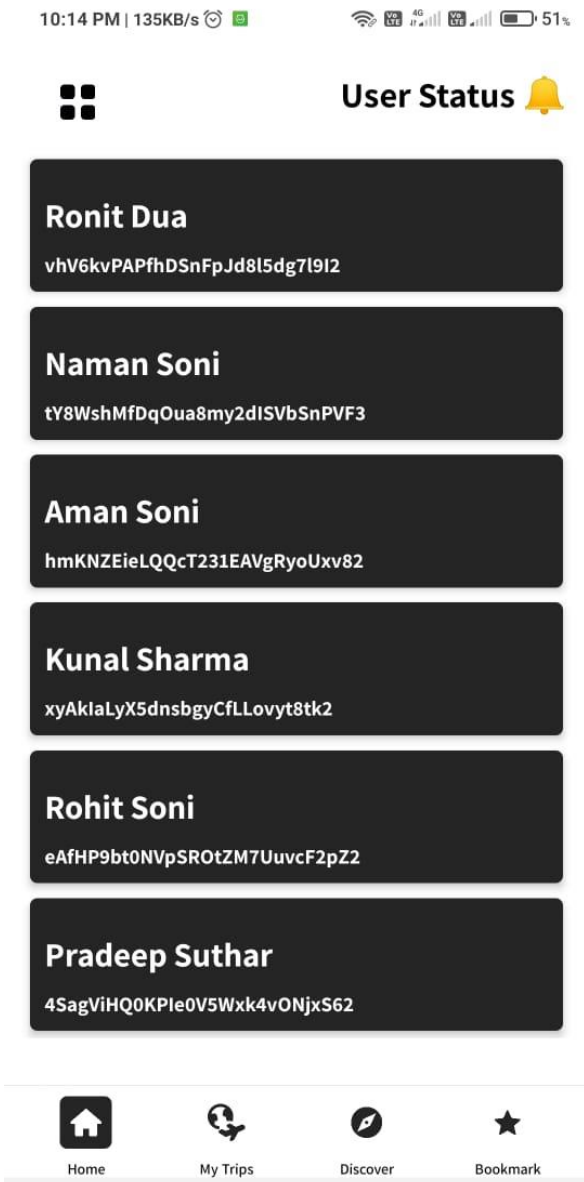
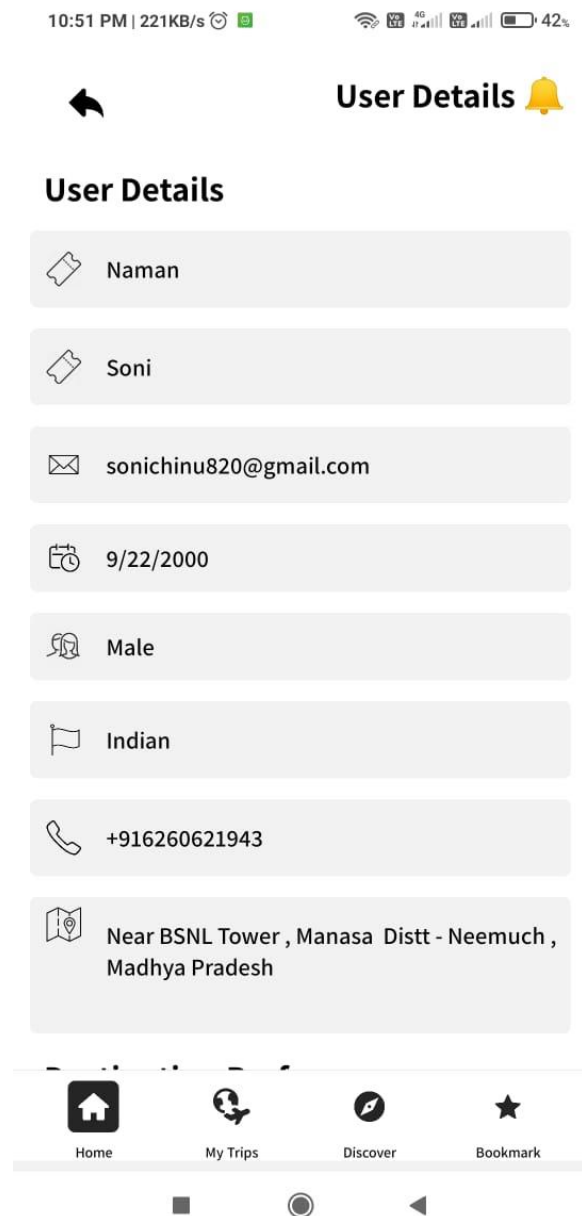**SPLASH SCREEN**

B. HOME SCREEN

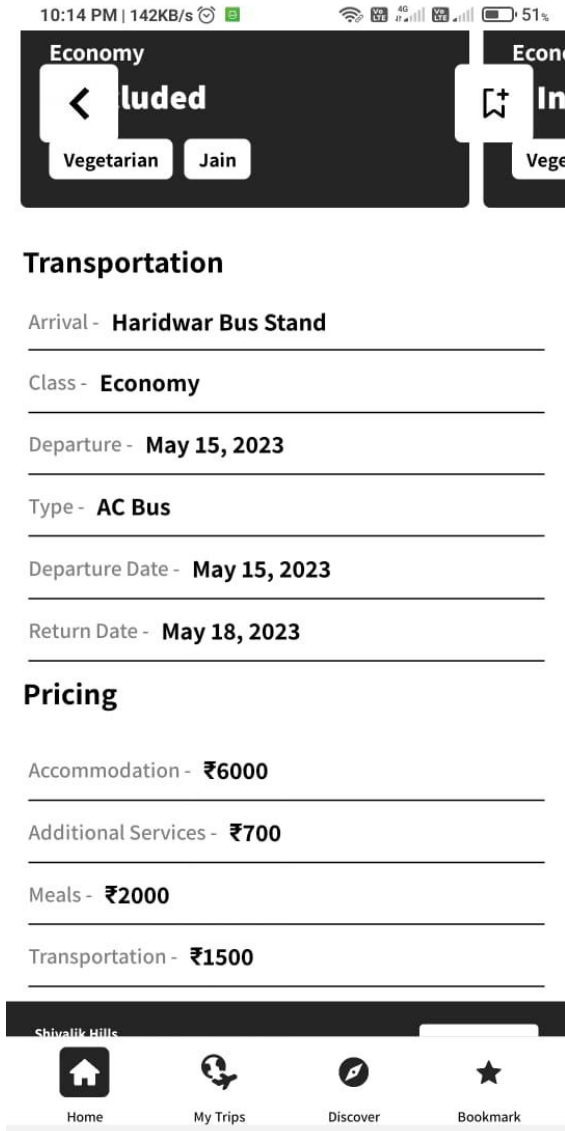**C . USER LIST**

D . PACKAGE

E . Package Details   **F . User Details**

PERFORMANCE EVALUATION

In most, if not all, organizations, performance evaluations are not something that employees look forward to. According to research, both employees and managers perceive the process of performance reviews to be intimidating. Despite their unpopularity, performance evaluations have been found to deliver useful information. According to a Columbia Business School study, employees' productivity and morale are boosted when they are evaluated based on their previous performance. successful businesses attempt to assess and guide their employees toward continuous improvement.

VIII.   CONCLUSION

We present the design of android-based tourist guide system. The system is based on three-layer architecture. The system provides the information query of tourist places, Hotels, Restaurants, Museums, Live shows and so on. The system is a combination of Smart-phone and Internet to facilitate the tour of user.

IX.   REFERENCE

[1] M. Kenteris, D. Gavalas and D. Economou, "An innovative mobile electronic tourist guide application", Personal Ubiquitous Compute, vol. 13, (2009), pp. 103-118.

[2] S. Kagstrom, H. Grahn and L. Lundberg, "Cybil: an environment for language diversity on mobile devices", Proceedings of the 3rd international conference on Virtual execution environments. VEE '07, New York, NY, USA, ACM, (2007), pp. 75-82.

[3] Developer: developer. (http://developer.android.com)

[4] Johnson, S.: Java in a teacup. Queue, vol. 4, (2006), pp. 36-41.

[5] H. S. Oh, B. J. Kim, H. K. Choi and S. M. Moon, "Evaluation of android dalvik virtual machine", Proceedings of the 10th International Workshop on Java Technologies for Real-time and Embedded Systems. JTRES '12, New York, NY, USA, ACM, (2012), pp. 115-124.

[6] Y. Shi, D. Gregg, A. Beatty and M. A. Ertl, "Virtual machine showdown: Stack versus registers", In Proc. ACM/USENIX Int. Conf. on Virtual Execution Environments, ACM Press, (2005), pp. 153-163