Faculty of Science

School of Computer Science

2019-2020

A

PROJECT REPORT

ON

BY

Shubham Modi Roll no: MCA 38

Shohrat Ali Roll no: MCA 03

Pushkar Parmar Roll no: MCA 42

IN PARTIAL FULFILLMENT OF

MASTERS OF COMPUTER APPLICATIONS

Dr. Vishwanath Karad MIT- World Peace University

Faculty of Science

School of Computer Science

CERTIFICATE

This is to certify that **Mr. Shubham Modi,** Student of MCA (Science) Semester IV has successfully completed a mini project in partial fulfilment of MCA (Science) Degree under Dr. Vishwanath Karad MIT-World Peace University, for the academic year 2019-2020.

(Project Guide)   Head of School
Ms. Smita Patil   **Dr. C. H. Patil**

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(Project Guide)   Head of School
Ms. Smita Patil   **Dr. C. H. Patil**

ACKNOWLEDGEMENT

We wish to express my profound feeling of appreciation and respect toward for offering opportunity to work in venture with my school. Undertaking winds up effective climate it is enormous or little is a direct result of great individuals cooperating in the task with their helping nature to one another.

We also wish to thanks to all people in the organization who help us during project development time to time.

We also express our honour and gratitude to **Ms. Smita Patil** and constant encouragement for completing our project work successfully.

We wish to express our deep sense of gratitude and honour towards our internal guide **Ms. Smita Patil**.   committed devotion, dedication and encouragement with full faith on us.

Student's Signature

INDEX

1.1 EXISTING SYSTEM

1. The past framework still absence of subtleties data that may be pivotal to be known by the client, to encourage them to utilize this transportation.

2. The quantity of individuals that intrigued to utilize LRT (Light Rail Transit) as their open transportation is as yet unsatisfied.

3. There is different sort of open transportation accessible these days. Government had spent a huge measure of cash to give open transportation

4. Particularly in LRT advancement and furthermore in advancing open transportation.

1.2 NEED OF NEW SYSTEM

1. Search & Filters Option for Finding Popular Spots and Attractions.

2. Booking Services (Hotel & Flight).

3. Navigation & Geolocation.

4. User's personal account Sign up/Log In.

5. Trip Reviews from other Travelers & Explorers.

6. Uber-Like App Service Integration.

2.1 PROPOSED SYSTEM

The proposed framework is an electronic application and keeps up a brought together store of all related data. The framework enables one to effectively get to the applicable data and make vital travel plans. Clients can choose about spots they need to visit and make appointments online for movement and settlement. A UI for refreshing visit data would likewise be valuable in enabling the framework to be adjusted for various circumstances.

2.2 OBJECTIVES OF SYSTEM

1. Improve the visitors experience.
2. Offer an online booking service.
3. Create a new way to attract visitors.
4. Provide easy access to information, maps and timetables.

2.3 USER REQUIREMENTS
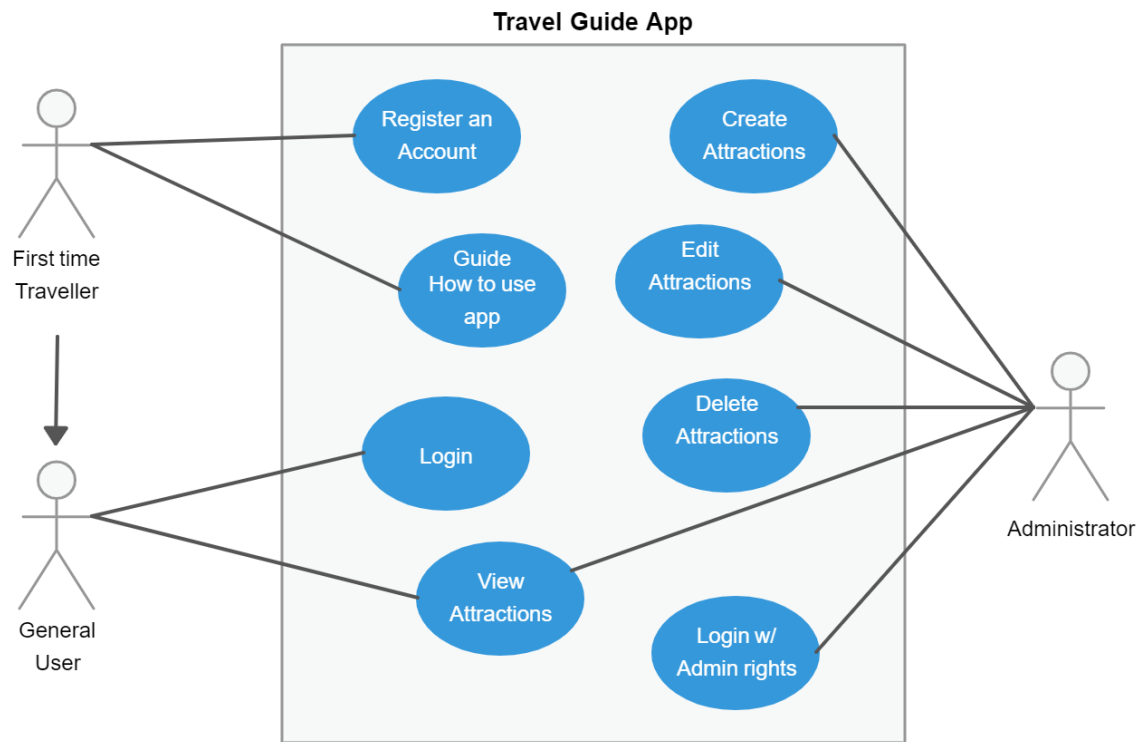
Software Requirements:

Android version 7.1 Nougat or Above.
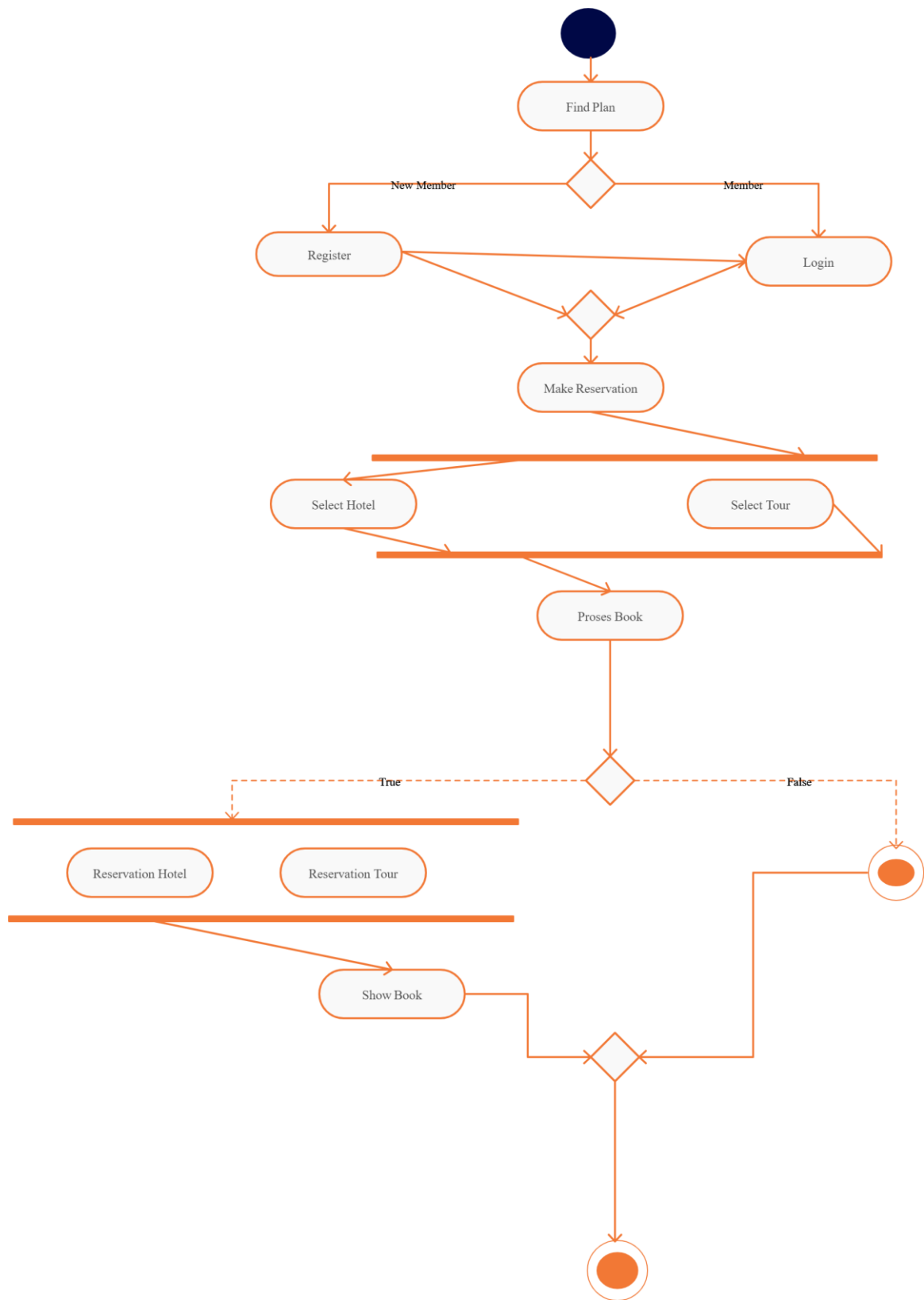
Hardware Requirements:
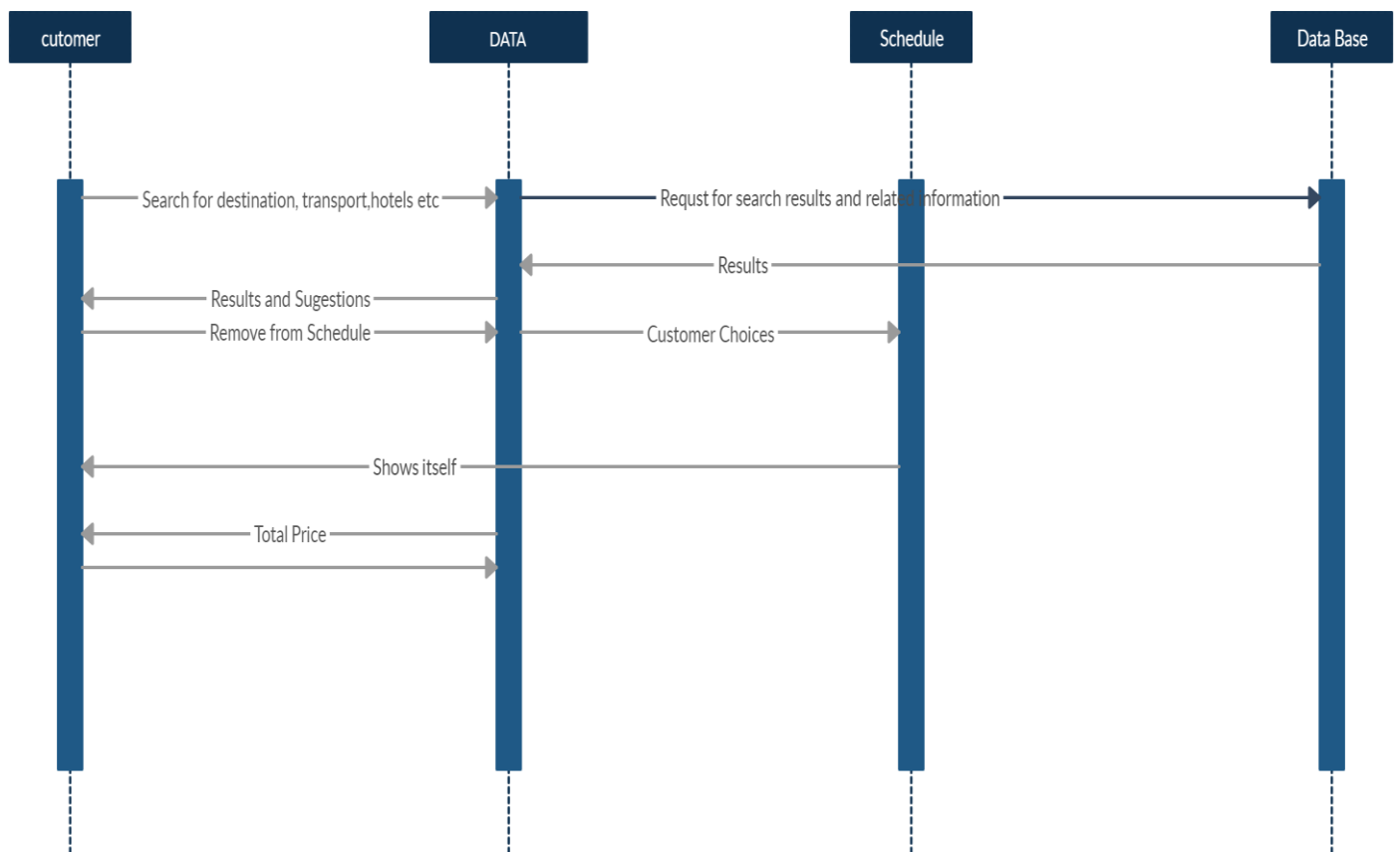
Minimum Ram Size: 512 MB or above.

Disk Space: 100 MB.

3.2 UML DIAGRAM (Use case Diagram, Activity Diagram, Sequence Diagram)

USE CASE DIAGRAM

ACTIVITY DIAGRAM

cutomer	DATA	Schedule	Data Base

Search for destination, transport,hotels etc →

Requst for search results and related information →

← Results

← Results and Sugestions

Remove from Schedule → Customer Choices →

← Shows itself
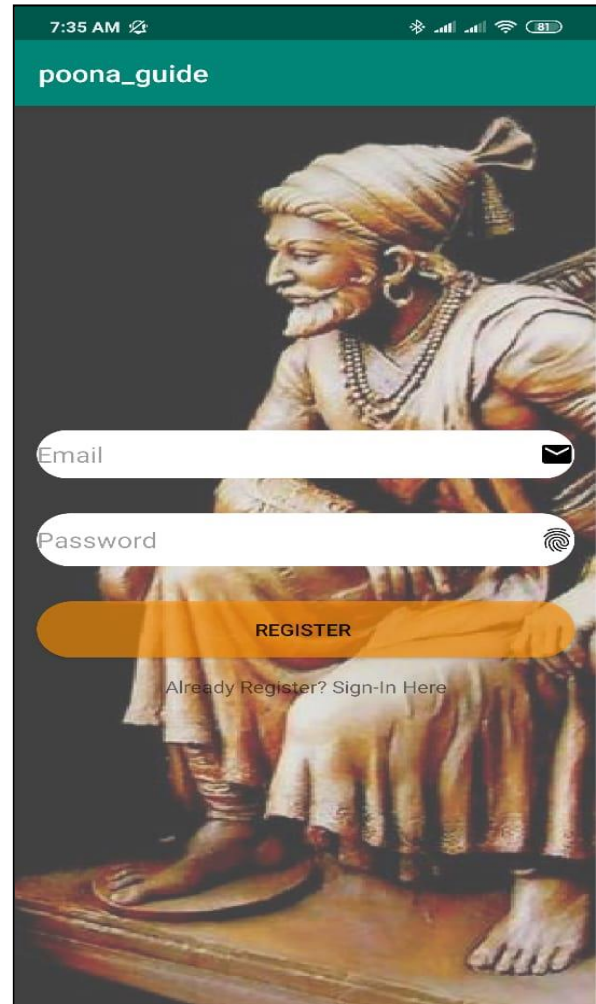
← Total Price

SEQUENCE DIAGRAM
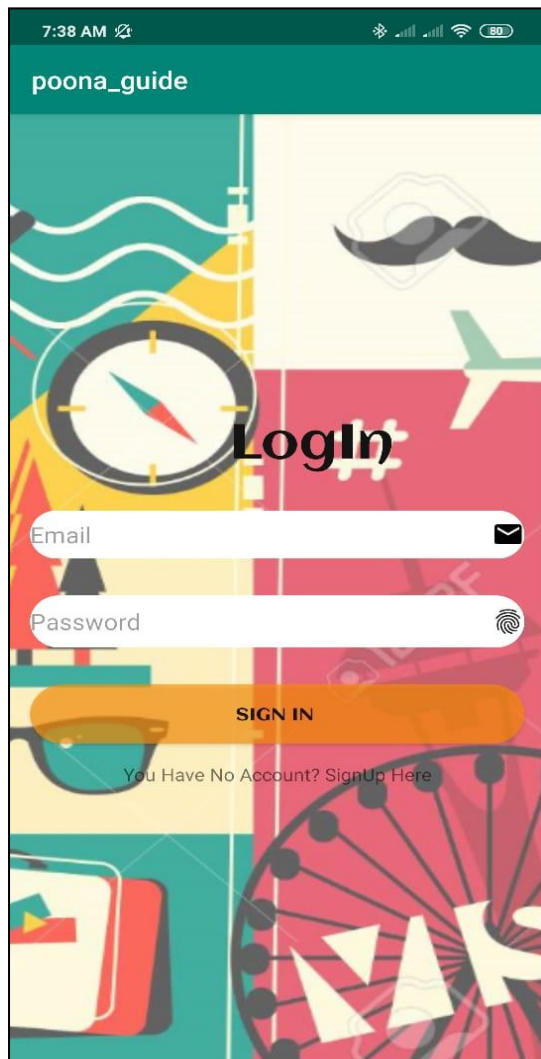
3.2 SCREEN SHOTS

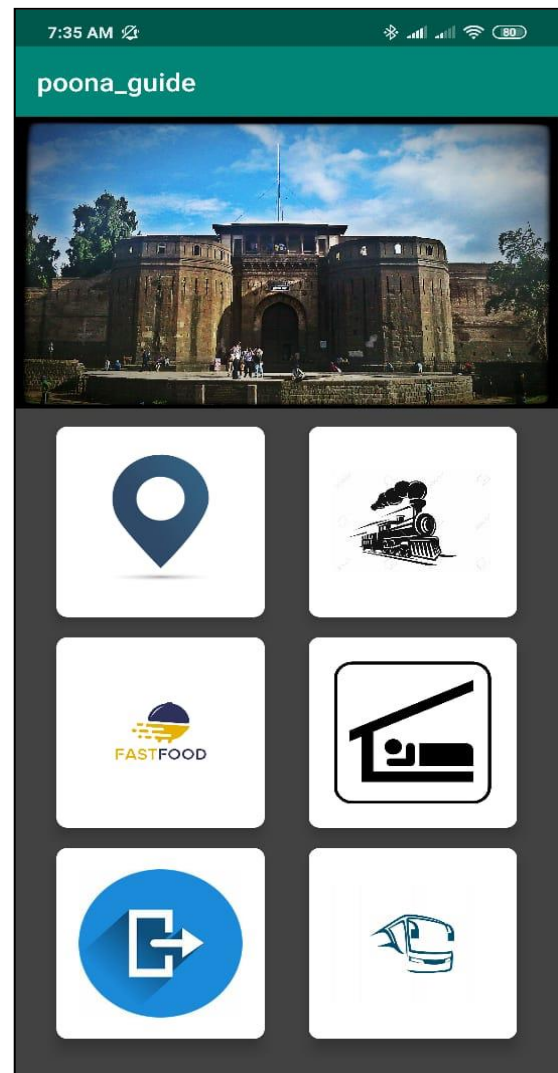**INTRO OF APP**

RESGISTER PAGE

LOGIN PAGE

DASHBOARD

POPULAR DESTINATIONS

Famous Places In Pune

SHANIVAR WADA

Shaniwar Peth, Pune,
Maharashtra 411030

AGA KHAN PALACE

Nagar Road, Samrat
Ashok Rd, Pune,

LOHAGAD FORT

Lohagad Trek Rd,
Khandala, Lonavala

SINHAGAD FORT

Sinhagad Ghat
Rd, Thoptewadi,

DAGDUSETH

Ganpati Bhavan, 250, Ch-
hatrapati Shivaji Maharaj

PAWANA LAKE

Pawna Lake, near
Lonavala, Pune 411001

POPULAR DESTINATIONS

4.1 TESTING

Software testing can be stated as the process of verifying and validating that a software or application is bug free, meets the technical requirements as guided by its design and development and meets the user requirements effectively and efficiently with handling all the exceptional and boundary cases.

The process of software testing aims not only at finding faults in the existing software but also at finding measures to improve the software in terms of efficiency, accuracy and usability. It mainly aims at measuring specification, functionality and performance of a software program or application.

Software testing can be divided into two steps:
1. **Verification:** it refers to the set of tasks that ensure that software correctly implements a specific function.
2. **Validation:** it refers to a different set of tasks that ensure that the software that has been built is traceable to customer requirements.

4.1 CHARACTERSTICS OF TESTING

- Quality assurance

- Prioritizing test

- Analyse user requirement

- Try to deliver 100% coverage

- Work closely with development team

- Identify and manage risk

- Market research

4.2 TEST CASE

Performance testing for the mobile application ensures that your application performs as required under certain performance requirements like a number of users, memory requirements, etc.

In performance testing, we largely need to have test cases for

- Device performance
- Server/API Performance
- Network Performance

Our test cases should deal with the following aspects:

Device Performance:

- Application start-up time
- Memory consumption
- Usage with other Applications
- Battery Time while using the application
- Hardware and Software variation
- An application running in the background

Server/API Performance:

- API calls generated
- Data to and from the server.
- Server downtime

Network Performance:

- Network Speed
- Packet Loss

5.1 LIMITATIONS & DRAWBACKS

- Application cannot book hotels & Restaurants.
- Seats Can't be booked for transport facility.
- App cannot be moved to SD card.
- There was no way to email reservations.

5.2 FUTURE ENHANCEMENT

The project that is completed so far is running well and fulfills all the requirement of the course project. However, improvements can be done to this project which we could not do because of the time limit of the course. We have suggested the following improvements which can be done in this project.
- Including AI in the app so that people can get the real feel of the destination.
- Seat booking and hotel booking will be introduced.
- Movie Timings will be included.
- Coupons & offers
- Search Nearby

5.3 CONCLUSION

Keeping travellers need in consideration and the current trend to the use of android
device, we have developed our Travel Guide Android Application. The application is able to meet most of the requirements that is commonly asked by the travellers, Besides, the simplicity of using the application has been maintained. The app can be helpful for people who are the newcomers to the Pune city.