

Kingdom of Saudi Arabia
Majmaah University
Ministry of Higher Education
College of Science Al Zulfi



Student Affairs System
For College of science Al Zulfi
Department of Computer Science and Information

Travel Expert

Graduation Project

Submitted in partial fulfillment of the requirements for the award of
Bachelor degree of the Majmaah University
(Semester 1, 2018-19)

Submitted by:

Amjad Muslim Almutairi

ID: 351101835

Under the supervision of:

Dr. Mohamed Mahmoud otoom

Table of Contents

Abstract	4
Acknowledgement	4
1) Chapter 1	
Introduction	5
1.1) Problem definition	5
1.1.1) Goals	5
1.1.2) Objectives	5
1.1.3) Critical success factors	5
1.1.4) Feasibility study	6
1.1.5) Tine Line	6
2. Chapter 2: System Analysis and Specification	7
2.1. Introduction	7
2.2. Use case Diagram	9
2.2.1) activity Diagram	10
2.2.2) Sequence diagram – user	11
2.2.3) Sequence diagram – gest	12
2.2.4) Sequence diagram – administrator	12
2.2.5) ER diagram	13
programming languages	
3. Chapter 3	15

3.1.	PHP	14
3.2.	MMDB	14
3.3.	HTML	15
3.4.	Android studio	15
3.5.	MySQL	15
3.6.	Interface	17
3.7.	Reference	18

List of Figures

Figure 1 - User Use Cases	8
Figure 2 – activity diagram	10
Figure 3 - Sequence diagram-user	11
Figure4 - Sequence diagram-gest	12
Figure5 - Sequence diagram-admin	13
Figure6 – ER diagram	14
Figure7 – Interface	16

Abstract

Many travelers lack important information about landmarks during their travel trip, The program allows the user to view the travel experience of other people to gain information from them, If there are lot of users then the individual user will benefit from the other users trips and will gain a lot of information.

Acknowledgement:

In the name of Allah the most merciful and beneficent, First, we thank Allah who is the first and final assistant and the only one who gives us the grace and strength to walk this path and guiding us to the correct way.

I would like to thank the supervisor of this project Dr. Mohamed Mahmoud otoom, for his guidance and assistance in completing this project. I would also like to thank the project-based committee for their clear effort in helping and guiding students.

2) Chapter 1

Introduction:

After much effort and fatigue at work or study people enjoy the holiday to rest, or in travel and visit monuments, and enjoy the beauty of landscape, and what the most important tourist attractions, and identify the different peoples, and their customs, and their traditions, and their dishes, But we will have problems not knowing the region fully
That's why my project (**Travel Expert**) will show you other people experiences.

1.1) Problem definition :

Place of residence

Many people suffer from the lack of conformity of the images they see when booking online for their accommodation, whether hotel or hostel, and Place of city most of travelers don't know city firry will because that faces problems from transportations

1.2 Goals

- To combine all tourists experiences, so people can get a benefit from each other.
- reduce the time and effort in looking for travel information.
- provide the tourists with a lot of information about the places where he will visit such as tourist destinations, hotels, restaurants, etc.

1.3 Objectives

Achieve full knowledge about the cities of hotels, historical monuments and tourist attractions.

1.4 Critical success factors

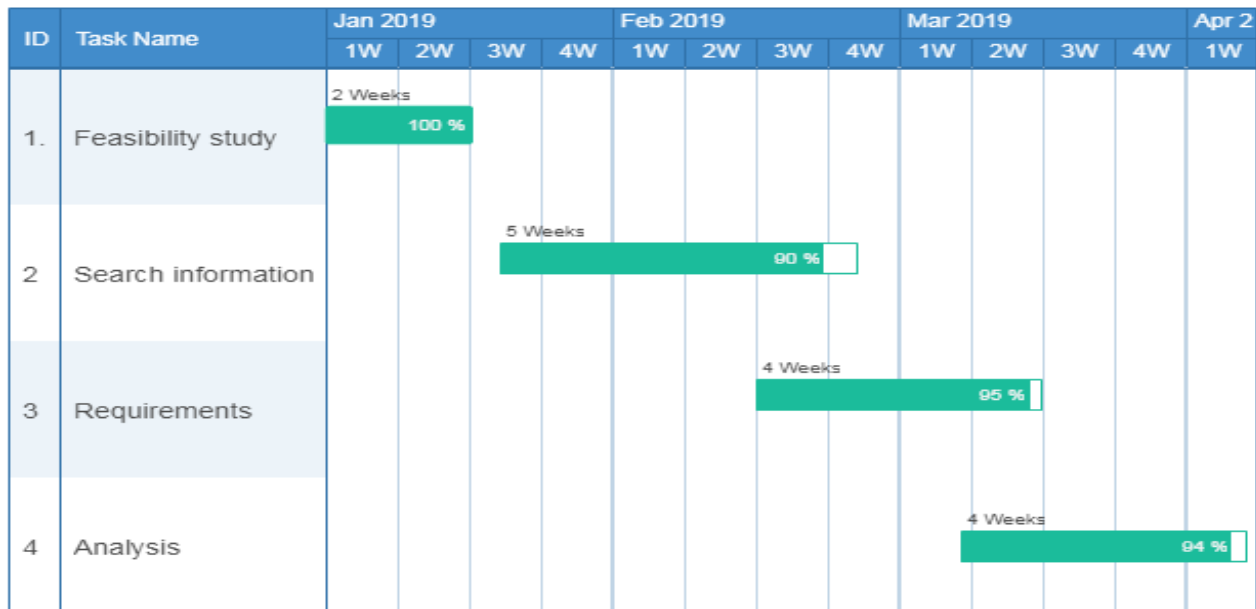
The user can document the trip in the form of images and comment on them, and other users can comment

1.5 Feasibility study:

I did a survey on my idea and presented it to 32 people and this is the result.

		YES	May be	NO
1	Have you encountered problems during your trips?	46.88%	31.25%	21.88%
2	Do you have trouble planning a trip?	50.00%	21.88%	28.13%
3	Do you think the application will help you plan your trip?	81.25%	12.50%	6.25%
4	Do you see an alternative application for the tour guide?	56.25%	40.63%	3.13%
5	Will the application increase your cultural and historical information?	93.75%	6.25%	0.00%
6	Do you support the idea of application?	96.88%	0.00%	3.13%

1.6 Time Line:



2. Chapter 2: System Analysis and Specification (Heading 1, Times New Roman 14, Bold, color black automatic, before and after spacing)

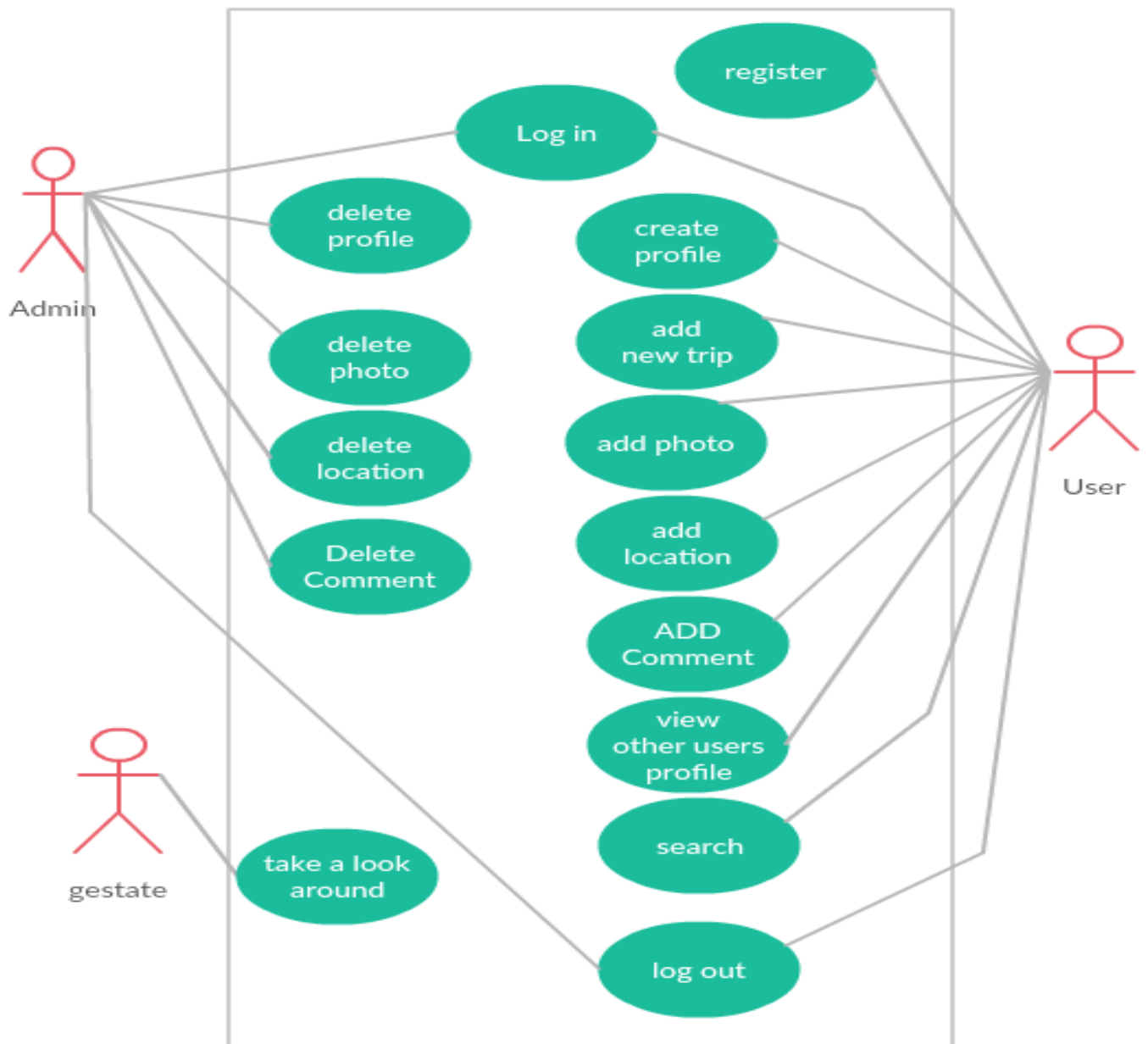
2.1 Introduction

The systems analyst plays a key role in information systems development projects. The systems analyst works closely with all project team members so that the team develops the right system in an effective way. Systems analysts must understand how to apply technology to solve business problems. In addition, systems analysts may serve as change agents who identify the organizational improvements needed, design systems to implement those changes, and train and motivate others to use the systems

2.2 Use case diagram

A use case diagram can be defined as a graphical description of the interactions between system elements .A use case is a methodology used in

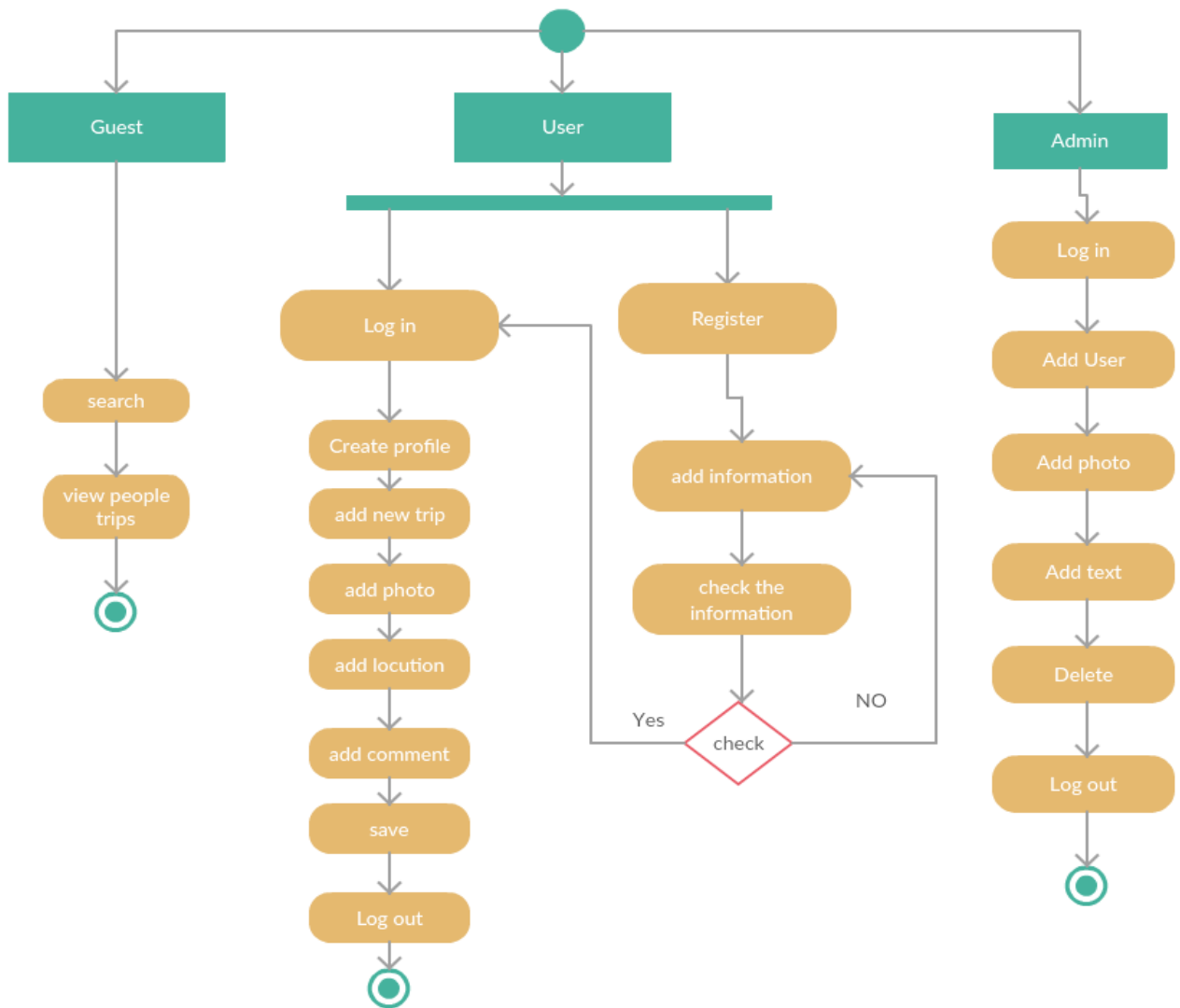
system analysis to identify, explain, and organize system requirements. In this context, the term "system" refers to something being developed or operated, such as a mail-order product sales and service Web site. Use case diagrams are employed in UML, a standard notation for the modeling of real-world objects and systems .(Bharah.P.2012)



Figure(1)

2.3 activity diagram

is another important behavioral diagram in UML diagram to describe dynamic aspects of the system. Activity diagram is essentially an advanced version of flow chart that modeling the flow from one activity to another activity.

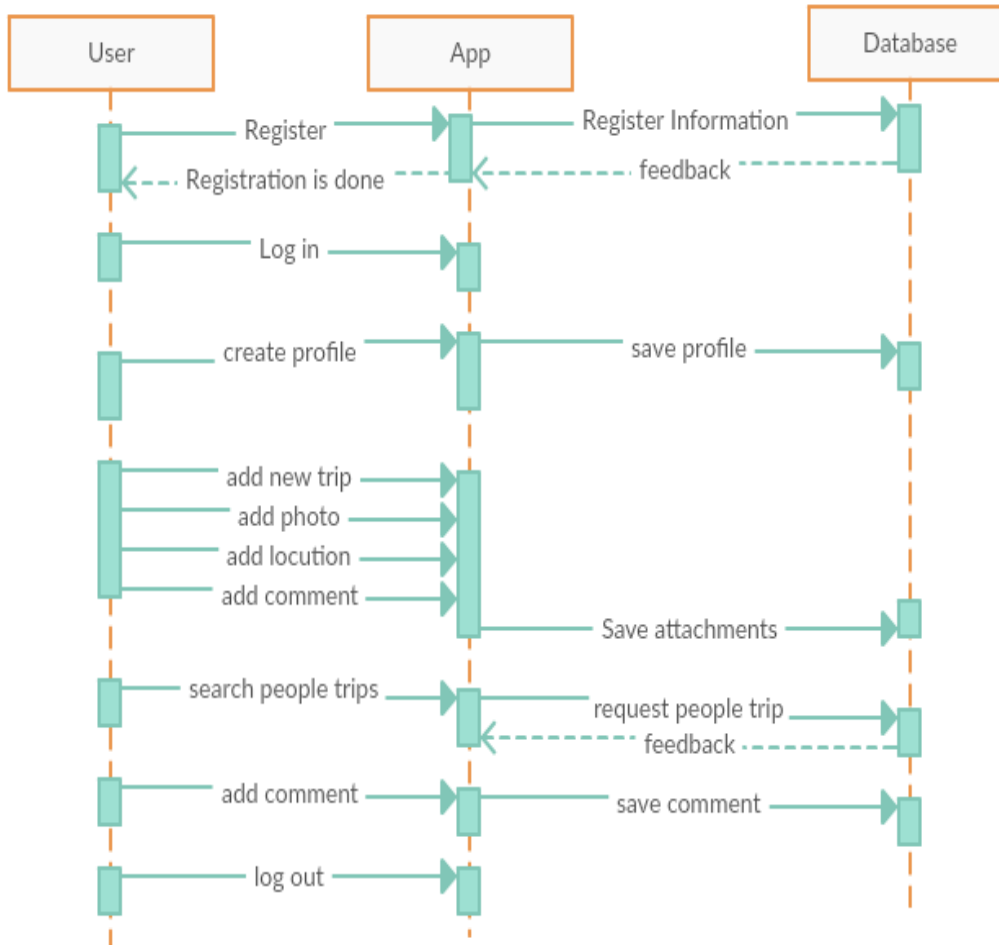


Figure(2)

2.4 Sequence diagram

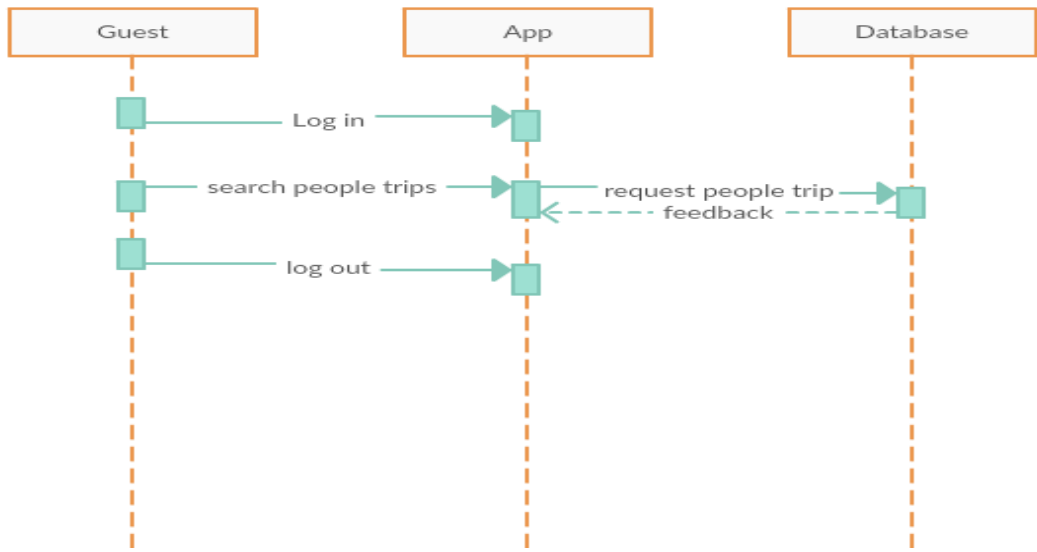
A sequence diagram shows object interactions arranged in time sequence. It depicts the objects and classes involved in the scenario and the sequence of messages exchanged between the objects needed to carry out the functionality of the scenario. Sequence diagrams are typically associated with use case realizations in the Logical View of the system under development. Sequence diagrams are sometimes called event diagrams or event scenarios

2.4.1 Sequence diagram – user:



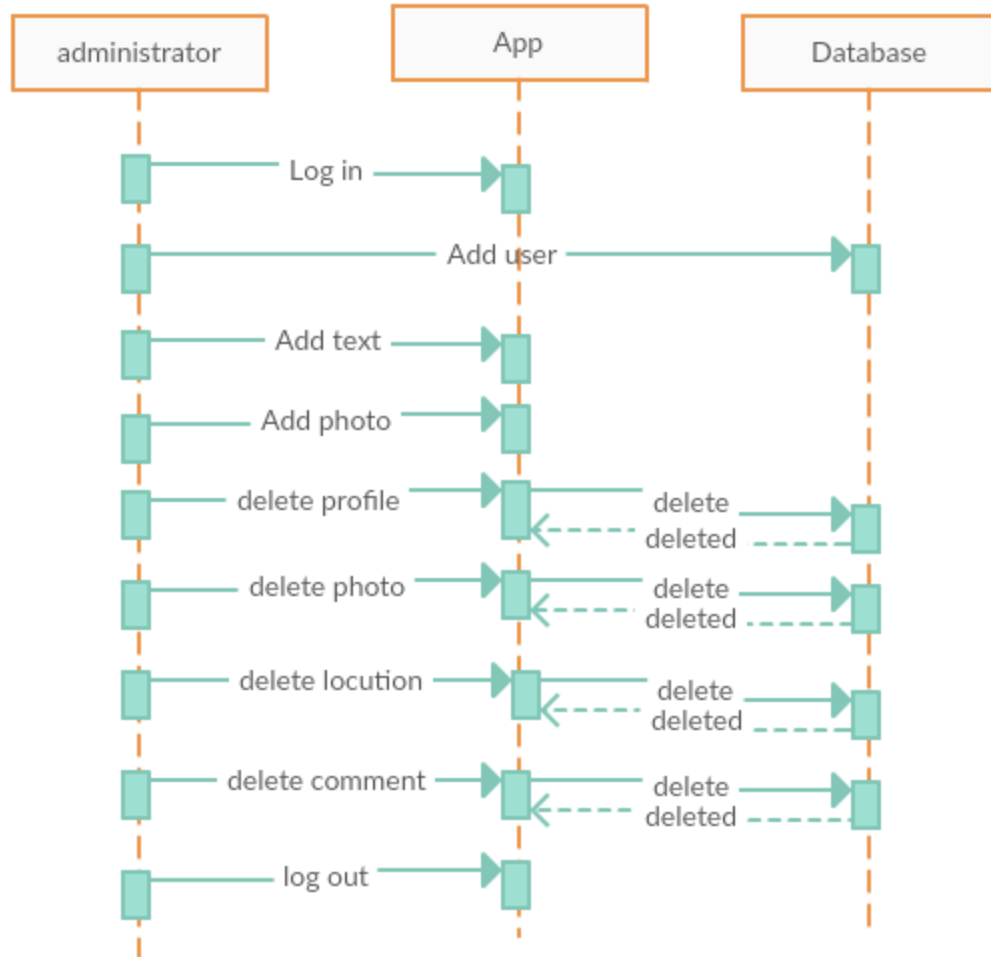
Figure(3)

2.4.2 Sequence diagram – guest:



Figure(4)

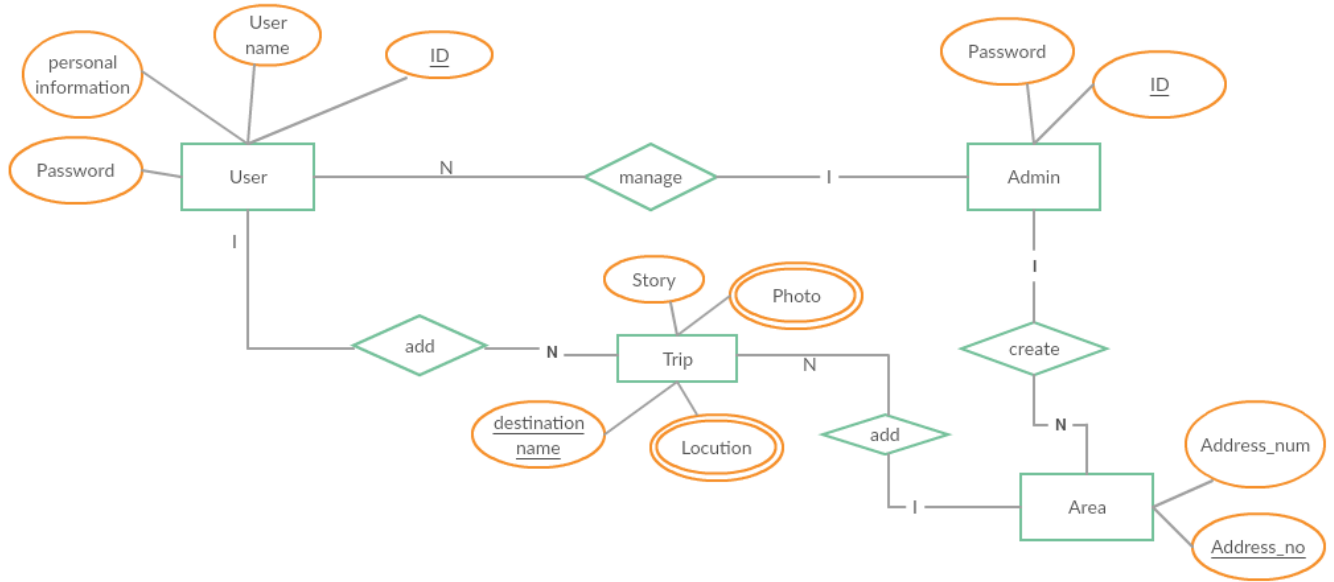
2.4.3 Sequence diagram – administrator:



Figure(5)

2.4.4 ER-diagram:

An entity relationship diagram (ERD), also known as an entity relationship model, is a graphical representation of an information system that depicts the relationships among people, objects, places, concepts or events within that system.



Figure(6)

3. Chapter 3

3.1 programming languages:

3.1.1 PHP:

PHP code may be executed with a command line interface (CLI), embedded into HTML code, or it can be used in combination with various web template systems, web content management systems, and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in a web server or as a Common Gateway Interface (CGI) executable. The web server combines the results of the interpreted and executed PHP code, which may be any type of data, including images, with the generated web page. PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications^[7] and robotic drone contro

3.1.2 MMDB:

An in-memory database (IMDB, also main memory database system or MMDB or memory resident database) is a database management system that primarily relies on main memory for computer data storage. It is contrasted with database management systems that employ a disk storage mechanism. In-memory databases are faster than disk-optimized databases because disk access is slower than memory access, the internal optimization algorithms are simpler and execute fewer CPU instructions. Accessing data in memory eliminates seek time when querying the data, which provides faster and more predictable performance than disk

3.1.3 HTML:

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

3.1.4 Android studio:

Android Studio is the official^[7] integrated development environment (IDE) for Google's Android operating system, built on Jet Brains' IntelliJ IDEA software and designed specifically for Android development.^[8] It is available for download on Windows, and Linux based operating systems.^{[9][10]} It is a replacement for the Eclipse Android Development Tools (ADT) as the primary IDE for native Android application development.

3.1.5 MySQL:

MySQL is an Oracle-backed open source relational database management system (RDBMS) based on Structured Query Language (SQL). MySQL runs on virtually all platforms, including Linux, UNIX and Windows. Although it can be used in a wide range of applications, MySQL is most often associated with web applications and online publishing.

3.2 Interface :

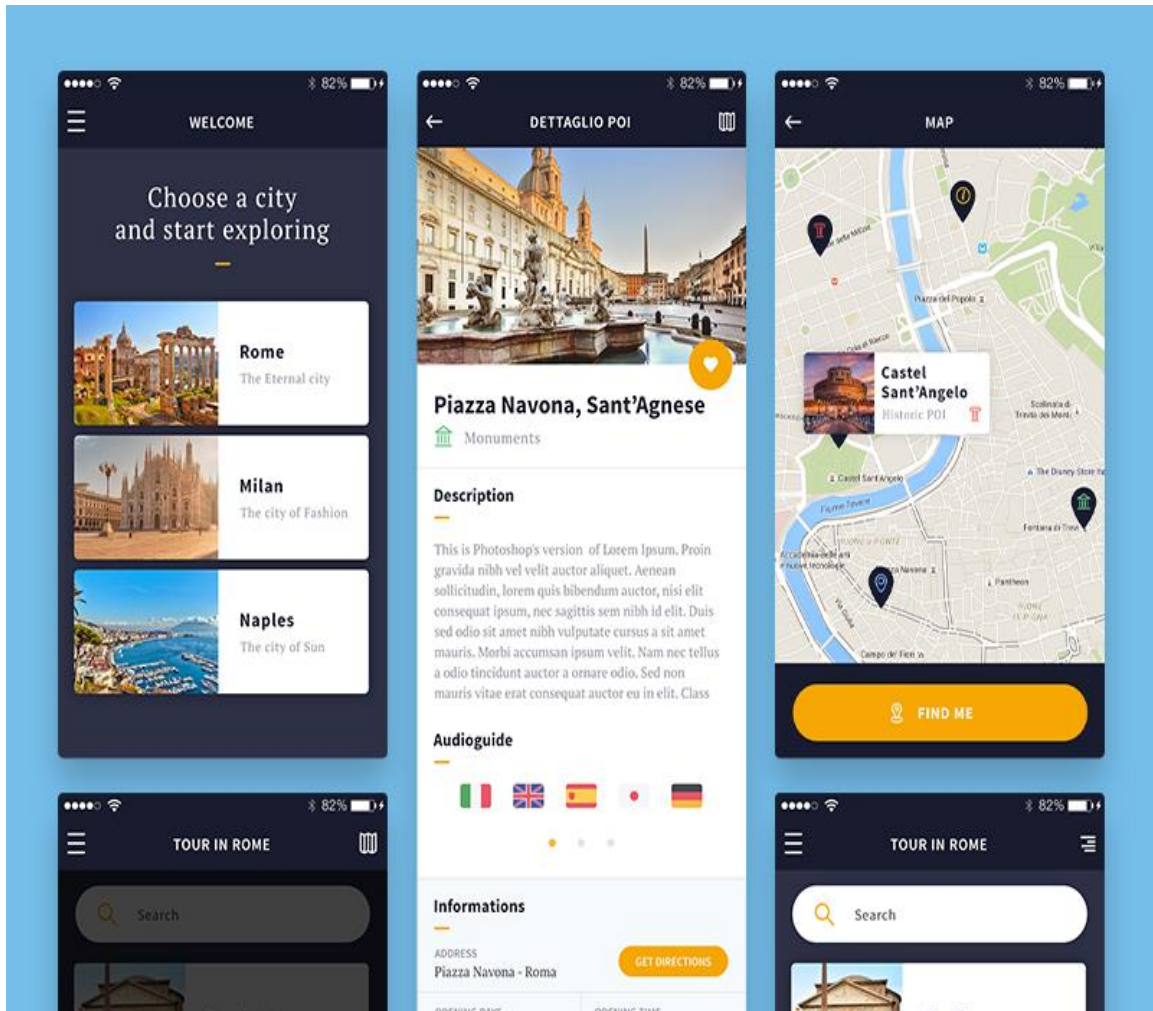


Figure7

4. Reference:

<https://en.wikipedia.org/wiki/PHP>

https://en.wikipedia.org/wiki/In-memory_database

<https://en.wikipedia.org/wiki/HTML>

<https://en.wikipedia.org/wiki/HTML>

<https://searchoracle.techtarget.com/definition/MySQL>

https://en.wikipedia.org/wiki/Sequence_diagram

**MAJMAAH UNIVERSITY,
COLLEGE OF SCIENCE AL ZULFI,
DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION**

(CERTIFICATE BY STUDENT)

This is to certify that the project titled “**Travel Expert**” submitted by me **Amjad Muslim Almutairi** , **351101835**) under the supervision of **Dr. Mohamed Mahmoud otoom** for award of Bachelor degree of the Majmaah University carried out during the Semester 1, 2018-19 embodies my original work.

Signature in full: -----

Name in block letters: **AMJAD MUSLIM ALMUTAIRI**

Student ID: **351101835**

Date: