

Travel Blog Website

WEB PROJECT (1)

FWD291

Full Stack Web Developer

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Abstract

Tourism serves as a vital cornerstone of any country's economy, bearing witness to its civilization and values. It has come to our attention that both domestic and international tourists often encounter challenges in planning their trips to the Saudi Arabia, lacking accessible resources to assist them. Consequently, obtaining information about tourism in Saudi Arabia can be time-consuming and cumbersome. That's why we conducted this survey—to ascertain the existence of an issue. Our findings revealed that a majority of individuals struggle to plan their trips without the assistance of a tour guide.

This leads us to our proposal, a “blog travel for the Kingdom of Saudi Arabia” aimed at addressing this issue. Such a platform would assist individuals in efficiently planning their trips, thereby saving them time and effort. Additionally, it would broaden their understanding of Saudi Arabia, showcasing not only its renowned sites like Mecca and Medina but also its diverse array of entertainment, archaeological, and educational attractions.

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Chapter 1: Introduction

1.1 Introduction

Traveling serves as a significant form of entertainment for many individuals. Exploring new destinations, experiencing diverse cultures, and learning about civilizations are all integral parts of this experience. As Saudis, we hold a particular passion for travel. Our region boasts remarkable diversity; the North differs from the South, and the East varies from the West. Moreover, each region possesses its unique climate and terrain, adding to the richness of our travel experiences.

1.2 Problem Definition

Tourists and residents face several challenges when searching for tourist destinations in Saudi Arabia. These difficulties stem from a lack of guidance regarding the best products, foods, hotels, and tourist attractions. Overall, there is a prevalent issue in Saudi Arabia regarding the difficulty of introducing tourists to new cultures and efficiently guiding them to destinations in a concise, helpful, and reliable manner.

In recent years, with the advent of the Internet and mobile phone networks, numerous mobile applications and websites have emerged to assist tourists in the Kingdom of Saudi Arabia. However, most of these electronic solutions fail to fully meet the requirements of travelers. Among the technical solutions that developers should provide to alleviate these challenges is the availability of websites offering a wide range of products, foods, and tourist destinations. These websites should provide comprehensive information about various places that users can search through, including evaluations and prices, ultimately enhancing the overall travel experience in Saudi Arabia.

1.3 Project Objectives

Our objectives in this project are to create a website that can:

- 1. Providing a Reliable Source:** The blog aims to be a trusted source for travelers seeking information about cities and places visited by others. Visitors can rely on the information provided by other travelers, as they describe their personal experiences, observations, and explorations of places.

2. Sharing Experiences and Knowledge: Different travelers can exchange their experiences and knowledge through the blog. Tips may be offered, favorite places shared, and fun activities recommended in various cities. New travelers can benefit from this information to enhance their personal experience and plan their future trips.

3. Communication and: The project works on enhancing direct communication among travelers. Balance People interested in visiting specific places can connect with those who have already visited them. Former travelers can provide advice, guidance, and answer any questions that new visitors may have.

4. Encouraging Exploration and Adventure: The blog can inspire readers to explore and discover new places. Articles and personal experiences can showcase the spirit of adventure, different cultures, and amazing tourist attractions awaiting visitors around the world.

5. Building an Online Community: The project can contribute to building an online community for travelers and travel enthusiasts. This community can serve as a platform for sharing, collaboration, and exchanging ideas and experiences in the field of travel and tourism.

1.4 Project Scope

We aim to create a blog for individuals who travel the world and wish to share their experiences and discoveries from the places they have visited. They will have the opportunity to write articles about the cities, tourist attractions, activities, and restaurants they have enjoyed. Additionally, they can offer ideas and tips for those who plan to visit these places. Readers will be able to interact with the authors by asking questions or seeking advice. This platform seems like it will be beneficial for many individuals seeking authentic experiences and practical information before embarking on their travels.

We also aim to promote global culture and broaden people's horizons by exploring and learning about new places.

1.5 Project Timeline

Tasks	1	2	3	4	5	6	7	8	9	10	11	12
Writing the introduction to the project												
Project objectives and problem definition												
Questionnaire about the project problem												
Project scope												
Determine functional and non-functional requirements												
Sites that contain similar ideas												
Analysis system												
Design system												
Flowchart												

Figure 1. 1: Project timeline

1.6 Document Organization

The remainder of this document is organized as follows: Chapter 2 will analyze existing websites that serve travel bloggers. In Chapter 3 we will present the system analysis process, which aids in studying the site and its components, and defining its goals. In Chapter 4, we will design our system using class and sequence diagrams, as well as designing some user interfaces for our website.

Chapter 2: Literature Review

2.1 Introduction

In this chapter, we will evaluate various websites that cater to travel bloggers. We will provide descriptions and analyze the features of each site to capitalize on their strengths and mitigate their weaknesses in the development of our system

2.2 Related work and Similar Systems

In this section, we will showcase some of the best travel blog websites that have been developed in the past to cater to people interested in tourism.

2.2.1.1 Thedollzter

The website Thedollzter [1] is owned by Dollz and primarily features her personal journey, travel tips, travel reviews, and travel-related social media content. This website allows users to access frequently asked questions and view photos of the places visited by Dollz (Figure 2.1).

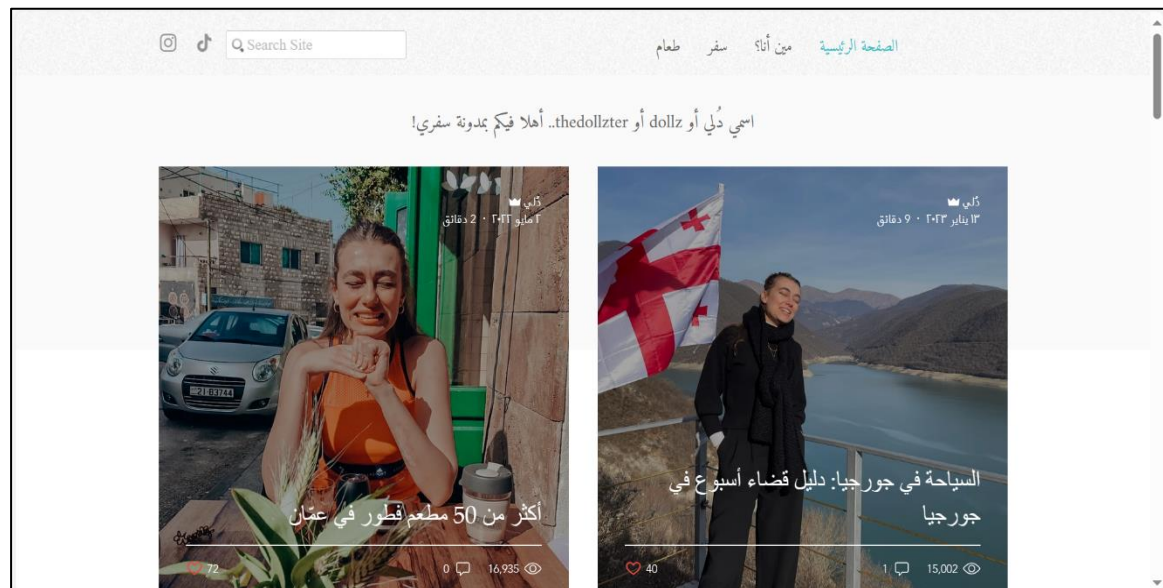


Figure 2. 1: The principal page of website Thedollzter

- **Disadvantages of Thedollzter**

- It does not allow users to view other people's opinions about the blog or their travels.
- It does not enable users to share their opinions about their travels.
- It does not provide information on prices in most areas.
- It does not clarify whether these areas are safe for families or not.

2.2.1.2 Travel Blog.com

The website travel Blog.com [2] provides information about the most renowned tourist cities and highlights the essential hotels for a pleasant and comfortable stay (Figure 2.2).

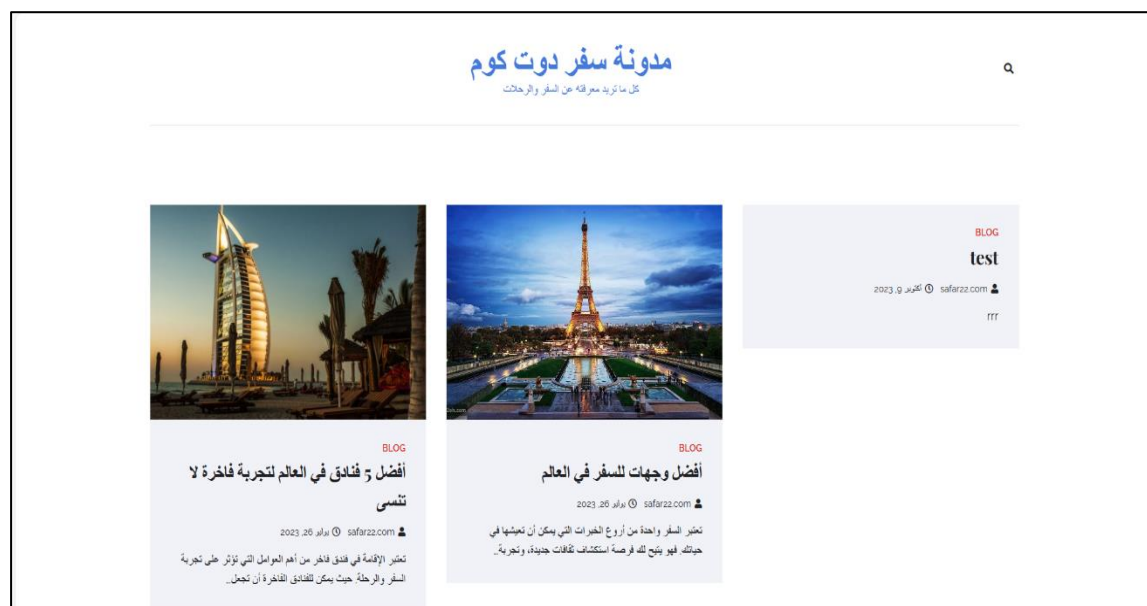


Figure 2. 2: The principal page of website Travel Blog.com

- **Disadvantages of Travel Blog.com**

- It lacks information on travel logistics and safety considerations.
- Users cannot view others' opinions about this blog.
- It provides only brief descriptions of the areas and accommodations.
- It does not include pictures of the tourist cities discussed.

2.2.1.3 Wanderlust's

The website Wanderlust's [3] is Charli's travel blog, where she provides tips and information about her travels, along with sharing her personal experiences. On this website, Charli responds to all user inquiries, interacts with users, and provides detailed accounts of the places she visits. Wanderlust's also allows users to view pictures and some videos from each of Charli's trips (Figure 2.3).



Figure 2. 3: The principal page of website Wanderlust's

- **Disadvantages of Wanderlust's:**
 - The user is unable to access information regarding costs and budget for certain places
 - The user cannot share their experience; Charli only speaks from her own experience.

2.2.1.4 Travel hero:

The website **Travel hero** [4] is the first interactive travel guide that allows users to customize their trips based on their mood and budget with the assistance of travel experts. It enables the user to discuss restaurants, hotels, and potential activities, as well as to upload photos and videos (Figure 2.4).



Figure 2. 4: The principal page of website Travel hero

- **Disadvantages of Travel hero:**
 - The user cannot comment on blogs.
 - The website doesn't provide enough advice for travelers.

2.3 Synthesis and discussion

We conducted a comparative analysis of other sites based on the objectives described in the introduction (Table 2.1).

Based on Table 2.1, we can conclude that some characteristics have considered by all or some websites, such as encouraging exchanging experiences and knowledge, providing reliable sources and quickly search. Other characteristics, such as contains travel in Saudi Arabia, that been taken into account only by Travel Hero website.

Table 2. 1: Comparative table of websites for blog travel

feature	TheDollzter	Travel Blog.com	Wanderlust's	Travel hero
Providing a Reliable source	+	–	–	+
Sharing Experiences and Knowledge	–	–	–	–
Communication and Balance	–	–	–	–
Encouraging Exploration and Adventure	+	+	+	+
Building an Online Community	–	–	–	–
Contains travel in Saudi Arabia	–	–	–	+
Quickly search	–	–	–	+

2.3 Summary

In this chapter, we have introduced several sites that host travel blogs. We have classified them and analyzed the features of each in order to leverage their advantages and mitigate their disadvantages in developing our system.

Chapter 3: Project Requirements and System Analysis

3.1 Introduction

In this chapter we will analyze the proposed system through a comprehensive discussion of the feasibility study and functional and non-functional requirements. Additionally, we will analyze our website, which involves studying the site and its components, and defining its goals, using use case and flowchart diagrams. Finally, we will discuss the development methodology that will be followed to realize the project.

3.2 Requirements

This section summarizes the functional and non-functional requirements of the projects' deliverables. Depending on the nature of the requirements, they will be categorised in to two categories, functional and non-functional.

3.2.1 Functional Requirements

Functional requirements are a description of the system's behaviour in terms of relevance to the system's function. In our system, we have two users: the admin and the user, each of which has its own processes.

- **User**

Our website will allow user to:

- Create account,
- Log in
- Update profile information.
- Communicate with customer service when needed.
- Add blog posts
- View blog posts:
 - ✓ View ratings for each city when selected.
 - ✓ Search for the most important monuments in the desired city

- ✓ View blog post details
- ✓ Add his rating for cities and reviews
- ✓ Read comments
- ✓ Add comments
- ✓ View location information for the place
- ✓ Like blog post
- ✓ Search for Blog Post
- **Admin**
 - Log in
 - Manage users
 - Manage blog posts
 - Moderate Comments
 - Responding to customer inquiries.
 - Processing and updating requirements.

3.2.2 Non-Functional Requirements

The non-functional requirement describes the performance characteristic of the system. We can specify the non-functional requirements of our website through the following points:

- **Accessibility and availability:**

All customers can access the site.
- **Capacity:**

The ability to contain a large number of data and a large number of users can register on the site.
- **Efficiency:**

The site is distinguished by its efficiency because it is an unusual idea and will solve the problem of many people who suffer from finding archaeological and tourism sites in the Kingdom.

- **Privacy and security:**

It offers high privacy as all user data is secure, and access is restricted to authorized individuals only.

3.3 System Analysis

In this section, we highlight how our website interacts and flows using a variety of functions.

3.3.1 Use Case Diagram

The figure below (Figure 3.1) illustrates the use case diagram for the admin role on the site. This role entails administrative access, enabling efficient management of user administration, blog post management, comment moderation, customer query response, and processing and updating of requirements.

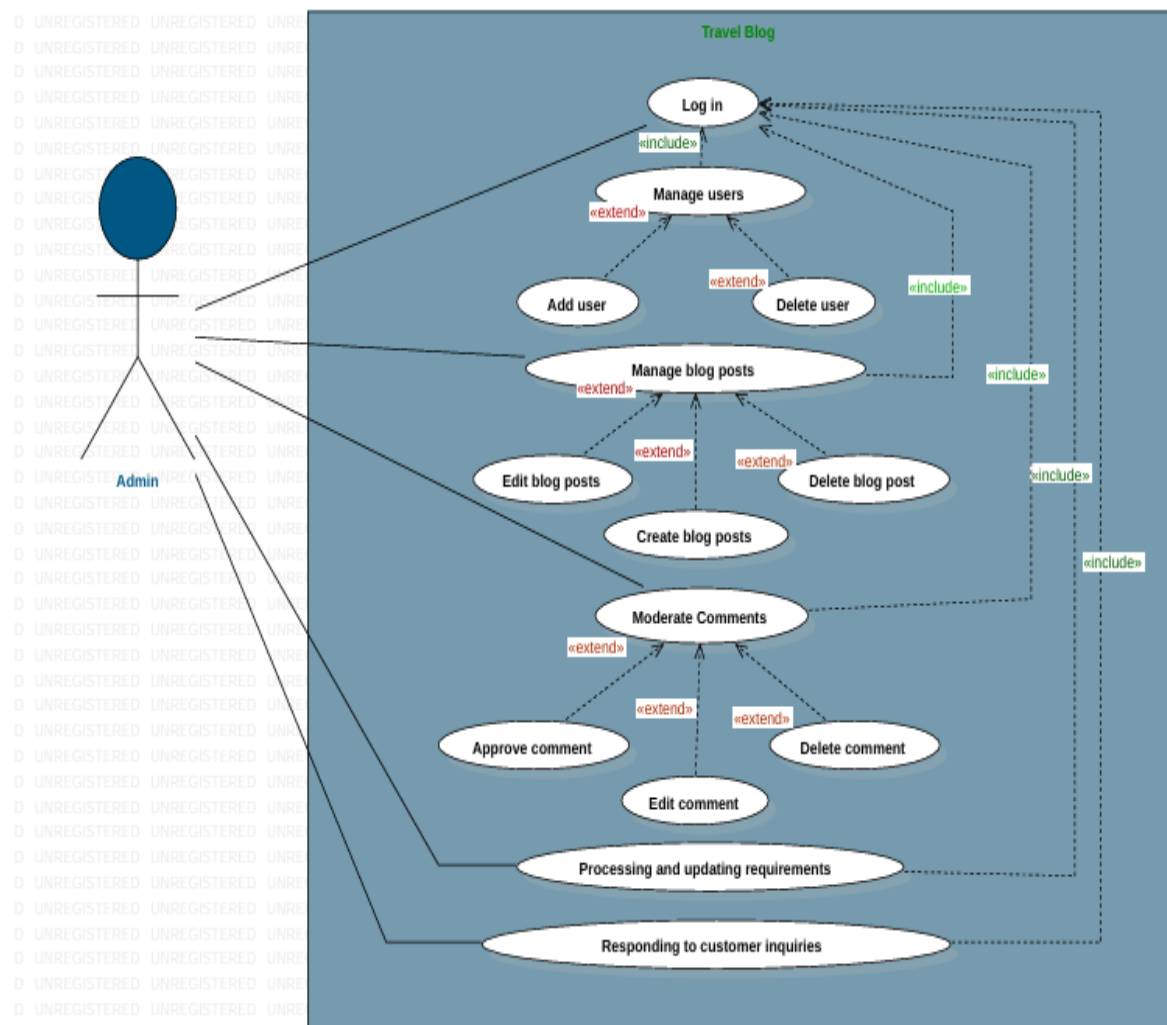


Figure 3. 1: Uses case diagram for Admin

An active user has the ability to create an account, log in, utilize it for multiple purposes, update their account information, create posts, view blog posts, including reading comments, and interact with blog content by liking posts, among other functionalities (refer to Figure 3.2).

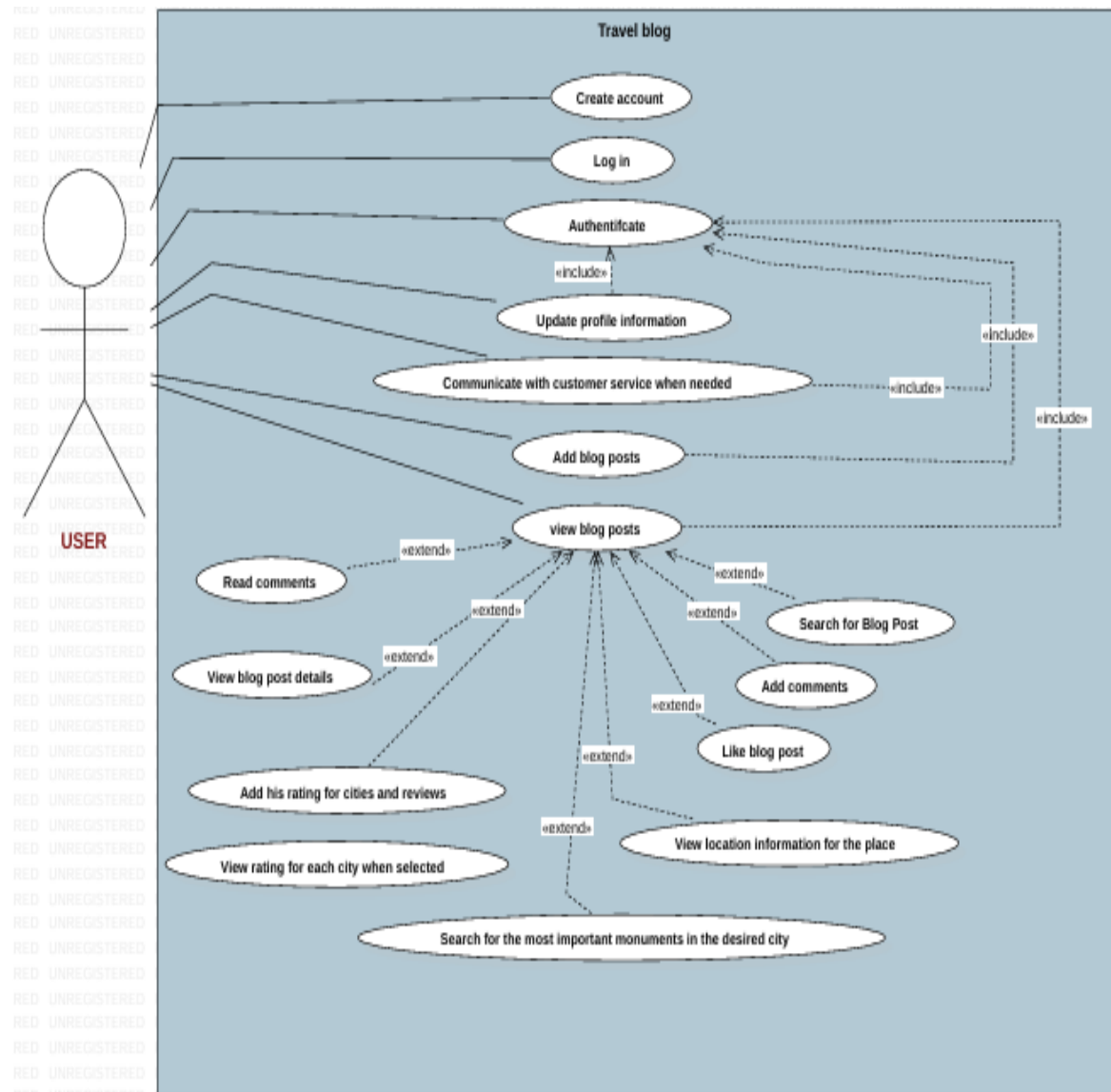


Figure 3. 2: uses case diagram for User

3.3.2 Flow Chart

A flowchart is a graphical representation of a process, system, or algorithm. It uses various symbols and arrows to illustrate the steps involved in completing a task or achieving a goal. Each symbol in a flowchart represents a different action or decision point, and the arrows

indicate the flow of control or direction of the process. The figure below (Figure 3.3) show the flowchart of our website.

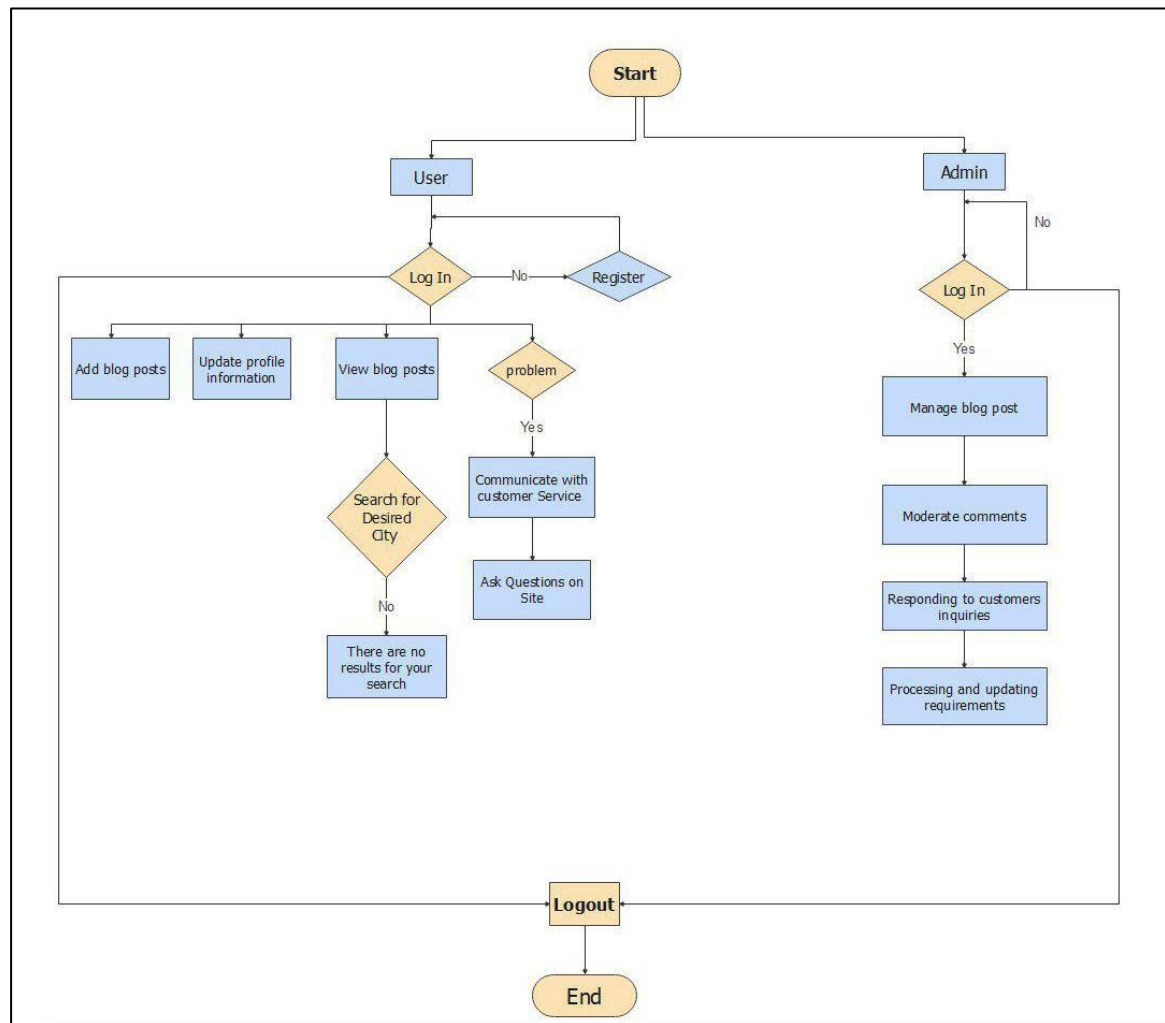


Figure 3. 3: Flow Chart of our website

3.4 Development Methodology

The methodology of the project is different and numerous, including six different methodologies, the most common of which is:

- Waterfall Model,
- V-Shaped Model,
- Iterative Model,
- Spiral Model,
- Big Bang Model,

- Agile Model.

In this project, we rely on the waterfall model, which is the simplest model of the project's methodology and depends on six simple and easy steps for all team members and helps us move between the steps without any problems especially for people who do not have high experience in developing and managing projects. The Figure 3.4 describes the phases of the iterative waterfall.

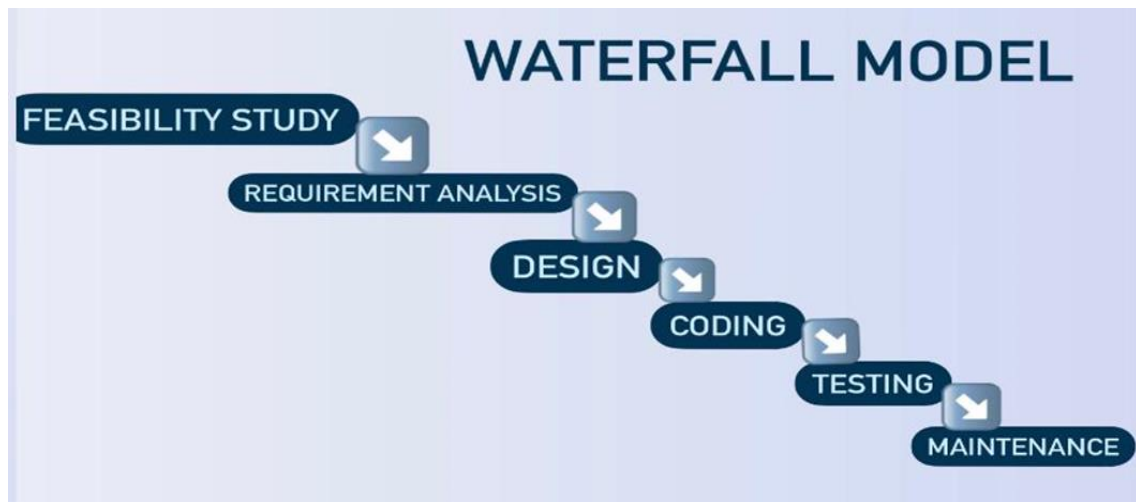


Figure 3. 4: Advanced Waterfall model

3.5 Summary

In this chapter we studied and determined the analysis of this system by specifying the functional and non-functional requirements.

Chapter 4: System Design

4.1 Introduction

This chapter presents the system design considering the main dimensions of our proposed system. Further, it discusses the various aspects of system design, including object-oriented, Database design, and user interface design.

4.2 Object Oriented Design

4.2.1 Class Diagram

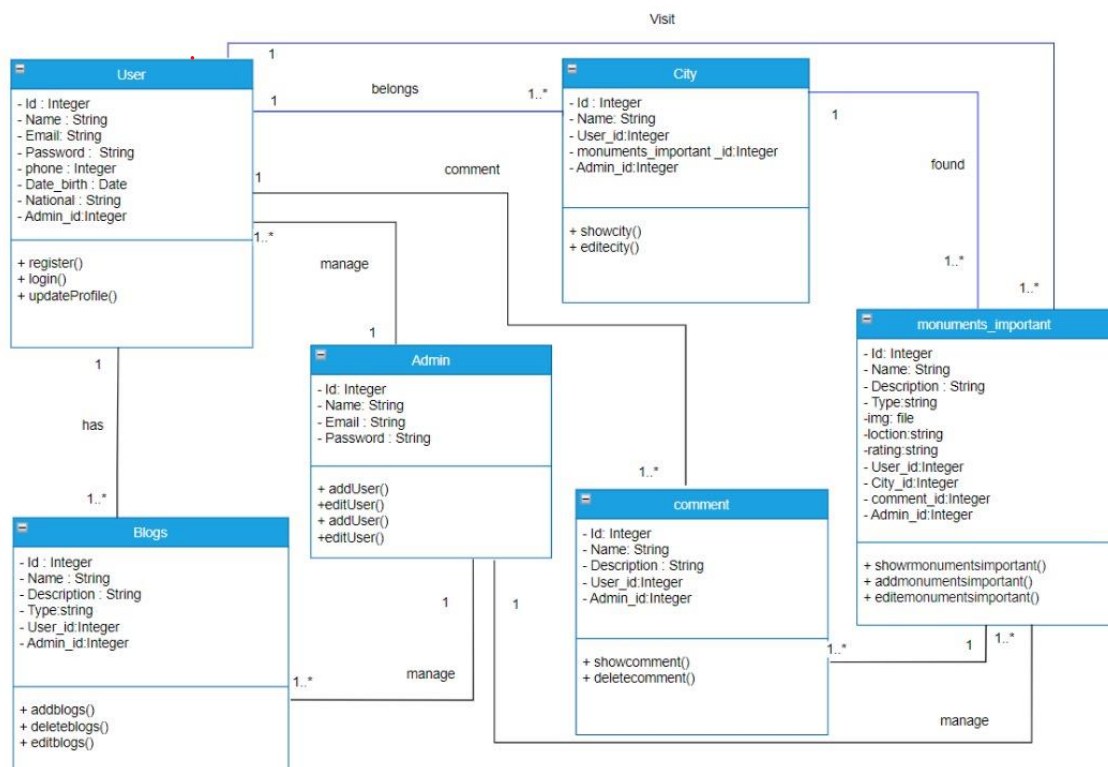


Figure 4. 1: Class Diagram

4.2.2 Sequence Diagram

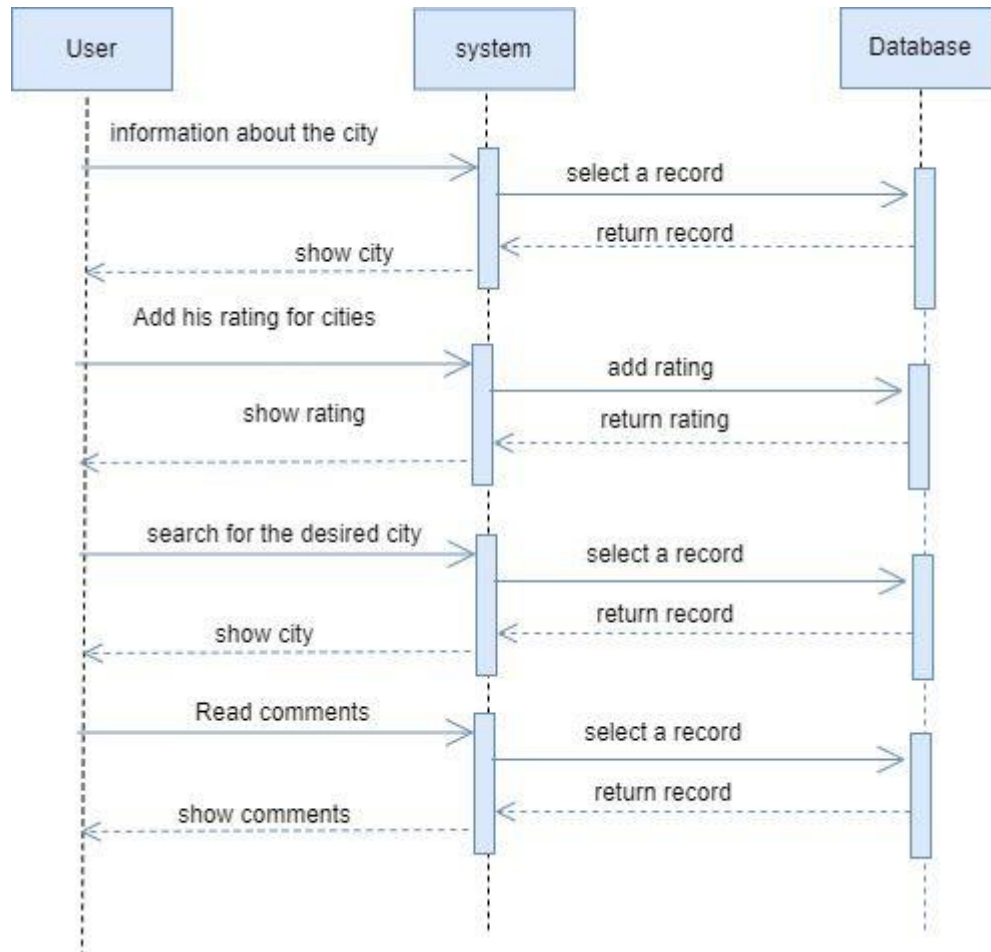


Figure 4. 2: Sequence Diagram for view Blog

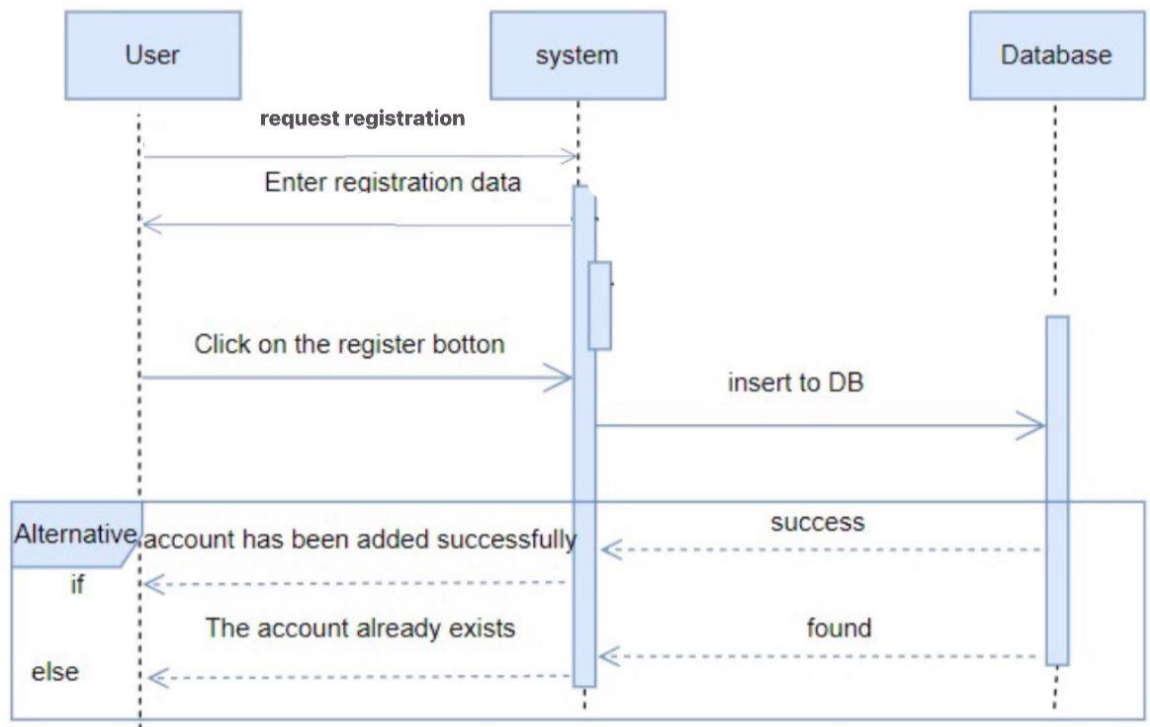


Figure 4. 3: Sequence diagram for create account.

References

[1] <https://www.thedollztertravels.com/>.

[2] <https://safari22.com/>

[3] <https://wanderlusters.com/>

[4] <https://travelhero.app/blog/>