



**The Hashemite University, Zarqa, Jordan
Faculty of Prince Al-Hussein Bin Abdallah II For Information Technology
Computer Science and Applications Department**

Rehleti

**A project submitted
in partial fulfillment of the requirements for the
B.Sc. Degree in Computer Science and Applications**

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May 2023

CERTIFICATE

It is hereby certified that the project titled <***Rehleti***>, submitted by the undersigned, in partial fulfillment of the award of the degree of “Bachelor in Computer Science and Applications” embodies original work done by them under my supervision.

All the analysis, design, and system development have been accomplished by the undersigned. Moreover, this project has not been submitted to any other college or university.

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ABSTRACT

Tourism is essential for economic development, so interest in it has increased in all kinds.

In addition, we need to reach a high level of luxury through tourism. People tend to prefer foreign tourism more than domestic tourism, which leads to a decline in the local economy and people's lack of knowledge of local tourist places and their importance. We must highlight the significant significance of domestic tourism, which unfortunately falls short of the projected levels of tourist activity. Domestic tourism in Jordan is expensive comparing it with people's incomes. Therefore, the community needs something which supports local tourism and makes easy communication between them.

This project offers an extraordinary collection of adventures and experiences for those interested in exploring the wonders of our country. Our primary goal is to showcase the hidden gems and breathtaking landscapes that go beyond the usual tourist destinations. We understand that travel costs can vary depending on individual incomes, and we strive to provide options that cater to all budgets. To ensure a seamless and secure booking process, we offer various online payment options, including the popular PayPal service. Our project is dedicated to supporting domestic tourism in Jordan and assisting all those who have a keen interest in discovering the beauty and diversity of our country. Whether you're looking for a farm stay, a cozy chalet, or an exhilarating adventure trip, Rehleti's website helps you to plan your perfect trip in the best way possible.

Rehleti is an interactive website that shows and reserves accommodations, chalets, tourism farms, and trips in Jordan with several offers to motivate domestic tourism.

ACKNOWLEDGEMENTS

Firstly, we would like to begin by thanking Allah for blessing us with this *amazing* opportunity, also we would like to thank our parents and family for their constant support and nourishment, that got us through these years.

Secondly, we would like to thank our professors for their patience and resilience with our teaching throughout our college years that brought us to this point, and we would like to thank especially our supervisor **PROF Mohammad Bsoul** for his help on our final project of his amazing journey in studying Computer science.

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ABBREVIATIONS

- **UML Class Diagram:** The Unified Modeling Language diagram.
- **UI:** User interface.
- **UX:** User Experience.
- **NFRs:** Nonfunctional Requirements.
- **JSON:** JavaScript Object Notation.
- **jQuery:** JavaScript Query.
- **CSS:** Cascading Style Sheets.
- **Html:** Hypertext Markup Language.
- **Asp:** Active Server Pages.
- **RDBMS:** Relational Database Management System.
- **SQL:** Structured Query Language.

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Chapter 1 INTRODUCTION

This chapter gives a detailed explanation of the project. It also covers the project's main idea, problem statements, aims and objectives, and project limitations.

1.1 Overview:

Rehleti is a project dedicated to motivating domestic tourism in Jordan by offering a diverse range of adventure trips, chalet rentals, and farm stays. Our website not only encourages locals to explore their own country but also ensures affordability by providing offers that are proportionate to Jordanian incomes. Travelers can book memorable trips through our platform while enjoying the convenience of online booking. Furthermore, Rehleti empowers owners of chalets and farms to list their properties, allowing anyone to rent these unique accommodations. With Rehleti, we aim to inspire individuals to experience the wonders of Jordan, support the local tourism industry, and create unforgettable journeys.

Rehleti's website aims to inspire and promote domestic tourism in Jordan by offering a wide range of enticing options for farm stays, chalet rentals, and adventure trips.

Our goal is to motivate individuals to explore and appreciate the beauty of their own country, providing them with unique and memorable experiences. We believe in the value of domestic tourism and strive to showcase the wonders of Jordan, encouraging people to embark on exciting journeys within their borders. In this project, we believe in making domestic tourism accessible to everyone, irrespective of their income. That's why we offer a wide range of options that cater to various budgets, ensuring that individuals can find experiences that align with their financial capabilities.

We prioritize inclusivity by providing diverse price ranges and customizable packages, making domestic tourism attainable for all. Our goal is to ensure that everyone has the opportunity to explore and enjoy the wonders of Jordan, regardless of their financial situation. Also, Rehleti's website prioritizes the safety and convenience of our users. To ensure a smooth and secure booking process, we offer multiple online payment options, including the trusted and widely-used service, PayPal. This allows our users to have peace of mind, knowing that their transactions are protected, and their personal information is safeguarded. With our secure payment options, we aim to provide a seamless and worry-free experience for all our customers.

Rehleti's website aims to promote domestic tourism in Jordan by highlighting the lesser-known treasures of the country. Our mission is to spark curiosity, adventure, and pride in Jordan, inviting both residents and visitors to embark on a journey of discovery and appreciation. Whether you're seeking a weekend escape or an authentic experience, our website serves as a go-to for unlocking the incredible possibilities that

await within Jordan's borders. With Rehleti, we strive to inspire and guide individuals in exploring the diverse and captivating destinations that make Jordan truly remarkable.

1.2 Project Motivations:

This project aims to raise the lack of awareness about Jordan's rich civilization and stunning landscapes, which has led to a preference for foreign tourism over domestic tourism. Our website is designed to shed light on the marvelous places that Jordan has to offer. Rehleti's website provides the opportunity to rent chalets and farms, as well as book adventure trips within the country. The website's new and innovative idea revolves around providing options for chalet rentals, farm stays, and adventure trips, catering to different preferences and budgets. We understand the importance of offering competitive prices that are proportionate to specific budgets, ensuring that domestic tourism remains affordable and accessible for all.

Also, by motivating domestic tourism, the project contributes to the growth of tourism investments and revenue generation for the country. Additionally, it plays a vital role in reducing unemployment rates by creating job opportunities for Jordanians in the tourism sector. Moreover, it encourages locals to explore their own country and contribute to the growth and development of the tourism sector in Jordan.

1.3 Problem Statement:

The website gives suggestions to entertain the trip with a specific budget by taking advantage of the offers.

To attract people to lesser-known places in Jordan, highlight the unique features and attractions of these destinations. Emphasize the captivating landscapes, historical sites, cultural experiences, and the opportunity to immerse oneself in local traditions. Use visually appealing photographs and engaging descriptions to pique their curiosity and showcase the hidden treasures of these lesser-known places.

As technology advances, online booking has become more prevalent, convenient, and reliable. Traditional booking methods are being replaced by online booking, travelers can easily browse and compare various options, access real-time availability, and secure their bookings with just a few clicks. Furthermore, online booking offers greater flexibility, instant confirmations, and the ability to customize itineraries according to individual preferences. It eliminates the need for physical visits or lengthy phone calls, providing a seamless and efficient booking experience for travelers. Moreover, it allows travelers to take advantage of exclusive online offers and discounts, enhancing the overall value of their trip.

1.4 Project Aim and Objectives:

There are purposes of this Rehleti's project:

- ❖ The main objective of the project is to inspire and encourage locals to explore their own country by showcasing the beauty, culture, and attractions of Jordan. It aims to instill a sense of pride and curiosity, motivating individuals to embark on domestic adventures.
- ❖ This project provides a comprehensive and user-friendly platform that simplifies the process of browsing and booking chalets, farms, and adventure trips. By offering advanced search options based on location, price, and availability, it allows users to find their desired properties with ease. Rehleti's website establishes trust and credibility with visitors by providing detailed information about the properties, including reviews and ratings from previous guests.
- ❖ This website aims to attract visitors by offering competitive prices and promotions. Additionally, providing affordable options and special deals incentivizes individuals to choose domestic tourism over other alternatives.
- ❖ The website goes beyond booking functionalities and provides recommendations and suggestions to visitors. This can include highlighting popular attractions, off-the-beaten-path destinations, and curated itineraries to inspire travelers and assist them in planning their trips.
- ❖ Rehleti's website is designed to be user-friendly, ensuring that individuals of all backgrounds and technical abilities can easily navigate and utilize the website. The interface is intuitive, making it accessible and straightforward for users to search, compare, and book their desired accommodations and activities.

1.5 Project Limitations:

Rehleti's project limitations :

- Online website only: Rehleti operates solely as an online platform, which means that access to its services and information is dependent on internet connectivity. This may limit its accessibility for individuals who have limited or no internet access.
- Available in one language: The project is currently available in the English language, which may create a barrier for individuals who do not understand or communicate in the English language. Multilingual support could enhance inclusivity and attract a wider range of users.
- Seasonal and weather-related restrictions: Some adventure trips and outdoor activities offered by Rehleti may be subject to seasonal or weather-related limitations. Certain activities may only be available during specific times of the year or may be affected by weather conditions, limiting options for travelers during certain periods.
- Limited geographic coverage: Rehleti primarily focuses on promoting tourism within Jordan, which means its coverage may be limited to specific regions or destinations within the country. This could restrict the variety of options available for individuals seeking to explore other international or regional destinations.
- Cultural and social sensitivity: Rehleti acknowledges the importance of respecting cultural and social sensitivities within Jordan. Users of the website need to be aware and sensitive to the cultural and social norms in different regions of the country. Adhering to local customs and practices ensures a harmonious and respectful travel experience for all.

1.6 Project Expected Output:

The expected output of Rehleti's website which books farms, chalets, and adventure trips provides easier bookings than traditional bookings. Additionally increases bookings for trips on the website, making anyone finding this website useful and valuable. Also, the website visitors should be satisfied with the service provided. This leads to affirmative reviews and repeats a trip. Moreover, the positive feedback from guests about their trips should be satisfied with the service provided by this website and the quality of the bookings generated. In addition, the website will get bigger and attract more visitors and has a variety of chalets, farms, and adventure trips in our country. Furthermore, Rehleti's website will suggest exploring new places to change the viewpoint of trips in Jordan.

1.7 Project Schedule:

Weeks	Start Date	Finish Date	Ch 1	Ch 2	Ch 3	Ch 4	Ch 5	Ch 6	Ch 7
1-4	30/3/2023	14/4/2023	All Members						
5-6	20/3/2023	25/3/2023		Farah					
8-10	9/4/2023	12/4/2023			Haneen				
11-12	19/4/2023	20/4/2023					Ahmad		
13-14	20/4/2023	21/4/2023						Amr	Ahmad
14-15	2/4/2023	23/4/2023					Ahmad, Amr & Farah		

Table 1.1: activity schedule

1.8 Report Organization:

The rest of the report is organized as follows:

Chapter 2: In this chapter, we will introduce our project and cover some features and their problems and how to solve them.

Chapter 3: This chapter will cover the stockholders for this application, the use case diagrams, and non-functional requirements.

Chapter 4: This chapter will summarize software architecture which refers to the fundamental structures of a software system and the discipline of creating such structures and systems.

Moreover, the software design artifact intended to accomplish goals, using a set of primitive components and subject to constraints, and user interface design (UI) design is the process designers use to build interfaces in software or computerized devices, focusing on looks or style. Designers aim to create interfaces that users find easy to use and pleasurable.

Chapter 5: This chapter will cover a description of implementation preparation and putting elements of the strategy into place. Execution is the decisions made and activities performed throughout the company, to meet goals outlined in the strategy, and the programming language and technology that is used to develop the application, Technology is a set of programmers to find a new way of solving current systems backlogs, also and part of implementations if possible is preparation and putting elements of the strategy into place.

Chapter 6: In this chapter, we will say a TESTING PLAN for the project.

Chapter 7: In this chapter, we briefly conclude our project.

Chapter 2 LITERATURE REVIEW

This chapter discusses some projects related to ours, it shows the difference between them, what features distinguish our project from them, what problems have they encountered, and what are our solutions for these problems.

2.1. Introduction:

Many sites like our site offer several suggestions for farms and hotels, but our project has more features than these sites, some focus on foreign tourist places and hotels, not local tourism.

2.2. Existing Sites:

This section shows some of the existing sites that are related to our site, later on, our website shows some improvements in details over these sites.

1. Booking.com:

This website allows users to book hotels, apartments, and other types of accommodations all over the world. Also, it offers discounts and provides payment features like cash, visa, and bank transfer.

[1]

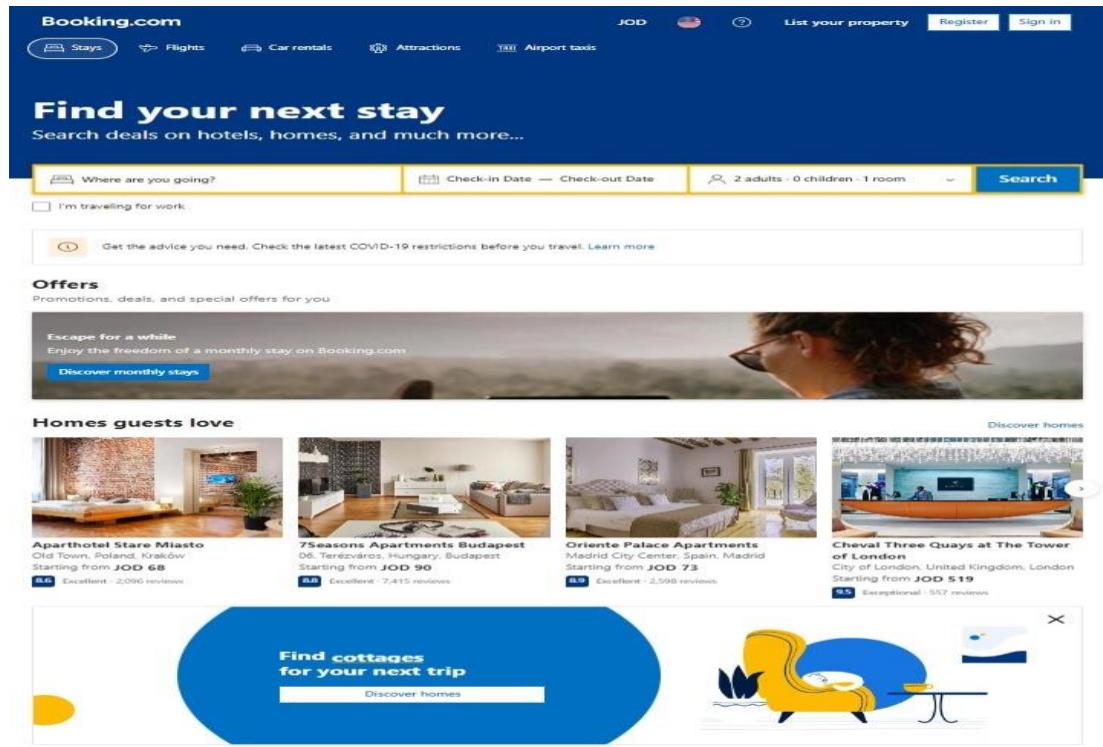


Figure 2.1: booking.com home page.

2. [Trivago.com:](#)

Trivago compares hotel prices and deals for the same hotel across multiple platforms. It provides several filters with reservations and allows the visitor to rate his visit. In addition, users can refine their search results based on various criteria, such as location, price, star rating, and amenities. Trivago is one of the largest hotel search engines in the world and is available in over 50 languages.

[2]

The screenshot shows the Trivago homepage. At the top, there's a search bar with placeholder text "Try searching for a city, a specific hotel, or even a landmark!". Below it are three tabs: "All stays", "Hotel", and "House / Apartment". The search bar includes fields for "Destination Where to?", "Check in -- / -- / --", "Check out -- / -- / --", and "Guests and rooms 2 Guests, 1 Room", with a "Search" button. Below the search bar, there are links to other booking sites like Booking.com, Expedia, Hotels.com, and Trip.com. A "Popular searches" section features four cards: "Hotels in Las Vegas" (11,851 Hotels, Avg. \$220), "Hotels in New York" (21,439 Hotels, Avg. \$400), "Hotels in London" (81,339 Hotels, Avg. \$282), and "Hotels in Orlando" (23,853 Hotels, Avg. \$169). The "About trivago" section contains two boxes: "trivago's global hotel search" explaining the service's scope and how it helps users find deals, and "Hotel reviews help you find your ideal hotel" highlighting user reviews and ratings. The "Find cheap hotels on trivago" section provides instructions on how to use the platform effectively. The "How to book" section explains the booking process through external sites. The footer of the page includes a "Footer" link and a "Privacy Policy" link.

Figure 2.2: Trivago.com home page.

3. Airbnb.com:

Airbnb allows individuals to list and rent out their homes, apartments, or other types of properties to travelers looking for accommodations. Also, it helps the user communicate with the renter to ask about everything related to housing. Payment is made through the site.

[3]

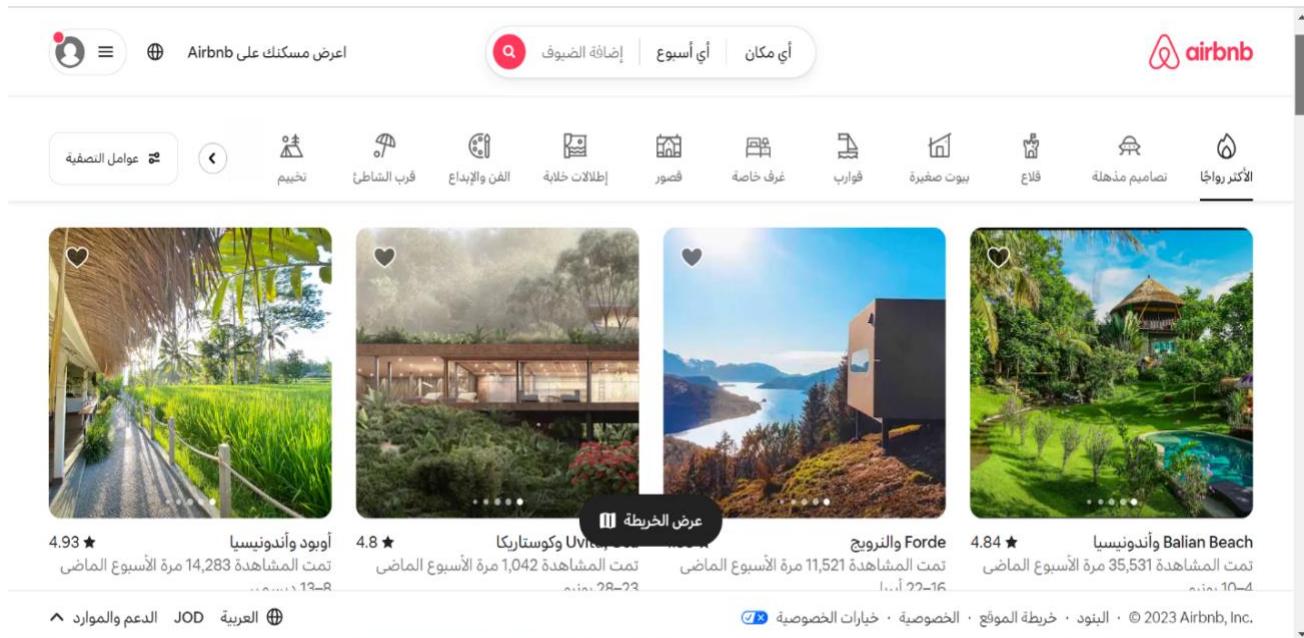


Figure 2.3: Home page for the Airbnb website.

2.3. Overall Problems of Existing Systems:

Existing systems have some drawbacks:

1. Websites do not notify users of the latest offers.
2. Most of these sites do not fully explain the type of place.
3. These websites give hotels and places all over the world that motivate foreign tourism.

2.4. Overall Solutions Approach:

Our website addresses and resolves many of the shortcomings encountered such as:

1. The website shows all details about the trip, chalet, or farm.
2. The website notifies the customers of the latest offers via email.
3. The website motivates domestic tourism such as visiting chalets and tourism farms.

Chapter 3 Requirement Engineering and Analysis:

This chapter should include an analysis of the functionalities and data used in the project.

It also summarizes the design tasks carried out by the project team.

3.1. Stakeholders:

stakeholders	Type
Group admin or Renter	Primary
Visitor	Primary

Table 3.1: Stakeholders

❖ Primary Stakeholders:

- Group admin or Renter has to List their chalets, farms, or adventure trips for rent on the website. In addition, they set prices and availability for their rental properties or trips. Moreover, they will update their property or trip information, including photos and descriptions.
- Visitors Browse and search for chalets, farms, and adventure trips in Jordan that can book it online. Also, Check availability and pricing for their desired dates. Additionally, view special offers and promotions.

3.2. Use case Diagram:

[4]

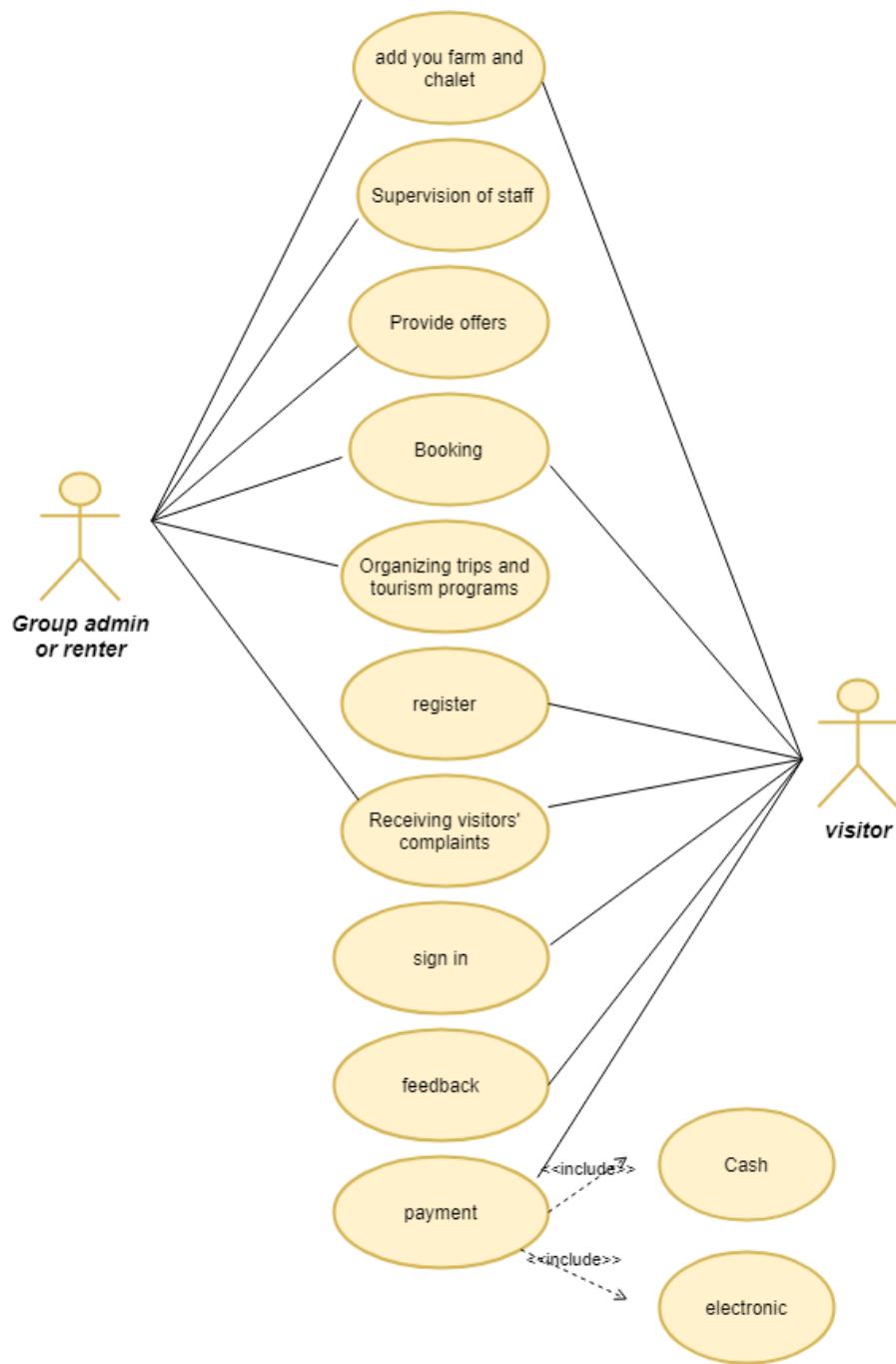


Figure 3.1: Use-Case Diagram

3.3. Non-Functional Requirements:

Non-functional Requirements define system attributes such as security, usability, testability, maintainability, scalability, and accuracy. They serve as constraints or restrictions on the design of the system across the different backlogs.

- 1) Security:** The website must ensure the safety and security of user data by implementing secure login and registration processes, data encryption, and protection against cyber-attacks.
- 2) Usability:** The website must be easy to use and navigate, with a clean and intuitive interface. It must be accessible to people of all abilities, including those with disabilities.
- 3) Testability:** The website must be designed and built with a testing framework that enables automated and manual testing to ensure that it meets quality and performance standards.
- 4) Maintainability:** The website must be easy to maintain and update, with clean, well-structured code and documentation to support ongoing development and maintenance.
- 5) Scalability:** The website must be scalable to handle an increasing number of users and transactions as the business grows.
- 6) Accuracy:** The website needs to ensure that all information presented to the users is up-to-date and accurate.
- 7) Compatibility:** The website must be compatible with a range of devices, browsers, and operating systems to ensure that users can access it from any device they choose.
- 8) Extensibility:** The website should be designed to allow for the addition of new modules or components as needed, without requiring significant modifications to the existing codebase.
- 9) Performance:** The website must load quickly, with page load times of no more than 3 seconds, to ensure a smooth and efficient user experience.
- 10) Availability:** The website must be available 24/7, with sufficient server capacity to handle peak traffic times and unexpected spikes in user activity.
- 11) Flexibility:** The website should be flexible enough to accommodate changes in business rules, requirements, or regulations without requiring significant modifications to the underlying code.
- 12) Reliability:** The website must be highly reliable, with minimal downtime and no more than 1% of failed transactions or system errors.

Chapter 4 Architecture and Design:

This chapter is about the architecture and the design of our website and describes them using a UML diagram which shows how the elements interact with each other.

4.1 Software Architecture:

4.1.1 Logical view:

This project contains six main classes; **User** class, **Visitor** class, **Renter** class **Group Admin** class, **Reserve (Book)** class, and **Reservation Details** class.

The **user** class has five private attributes; userId, password, email, register, and phoneNum. It inherits all its attributes to the **Visitor, Renter, and Group Admin** classes.

Visitor class has a private attribute; customerName. The visitor can sign in to his account if exists, else he/she has to register so he/she can use the website's features.

Renter class has a private attribute; renterName. Renter adds, shows, or deletes the farm or the chalet.

Group Admin class private attribute; adminName. The group admin verifies the reservation and add, show, or delete the trip.

Reserve (Book) has five attributes; farm, chalets, and adventureTrip are public attributes whereas checkInDate and checkOutDate are private attributes. The visitor can book either a farm, chalet, or adventure trip. In addition to this, he/she verifies his booking to check if it's valid or not.

Reservation Details class has three private attributes; info, num_guests, and totalPrice. The visitor can have full detail of the reservation by getting the information, the price option, and the total price.

4.2 Software Design:

4.2.1 UML Class Diagram

[5]

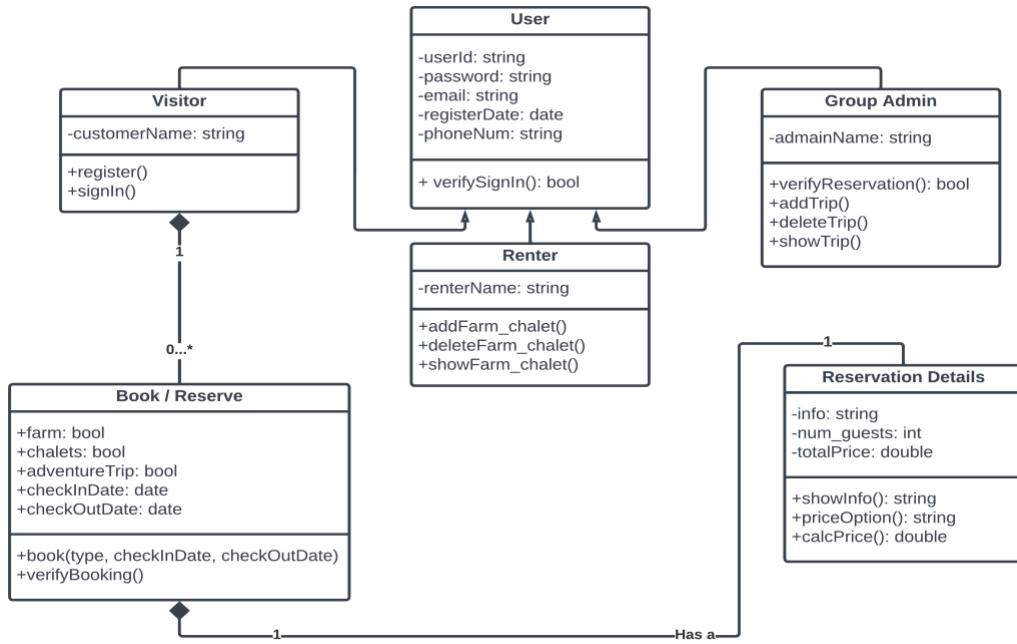


Figure 3.2: Class diagram

4.2.2 Sequence Diagram

[5]

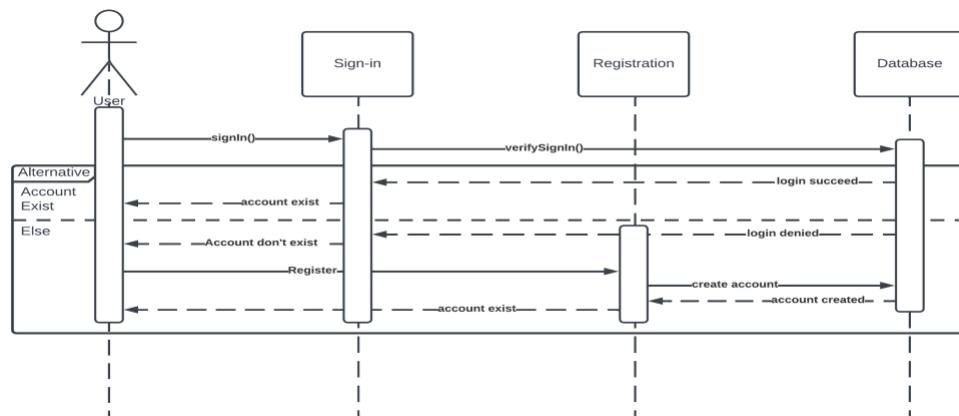


Figure 3.3: Sign-in sequence diagram

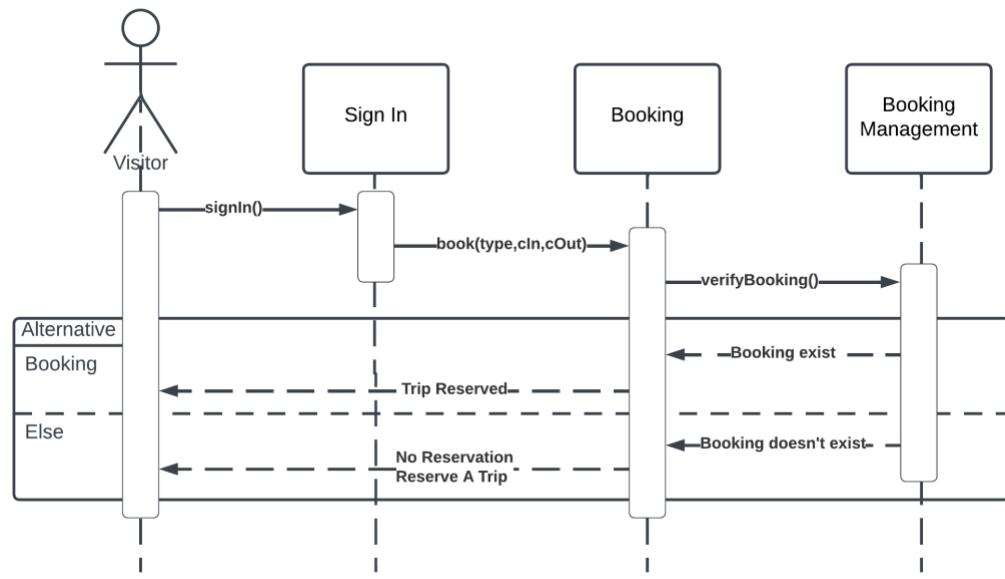


Figure 3.4: Visitor's booking sequence diagram

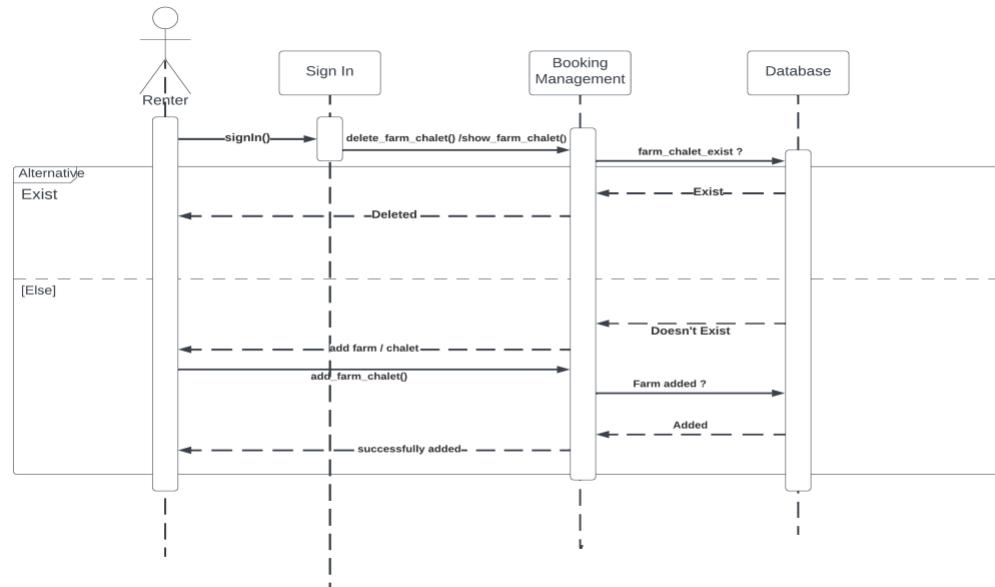


Figure 3.5: Renter's operation sequence diagram

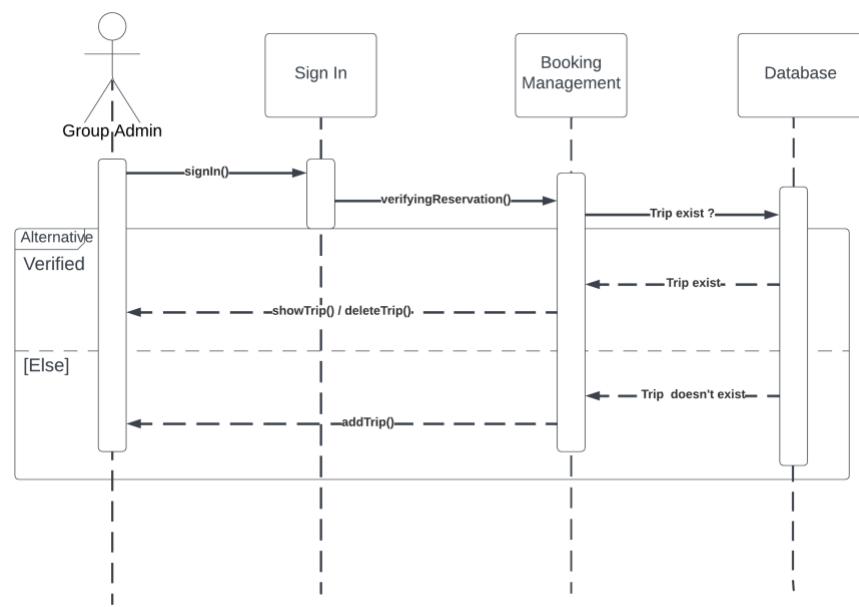
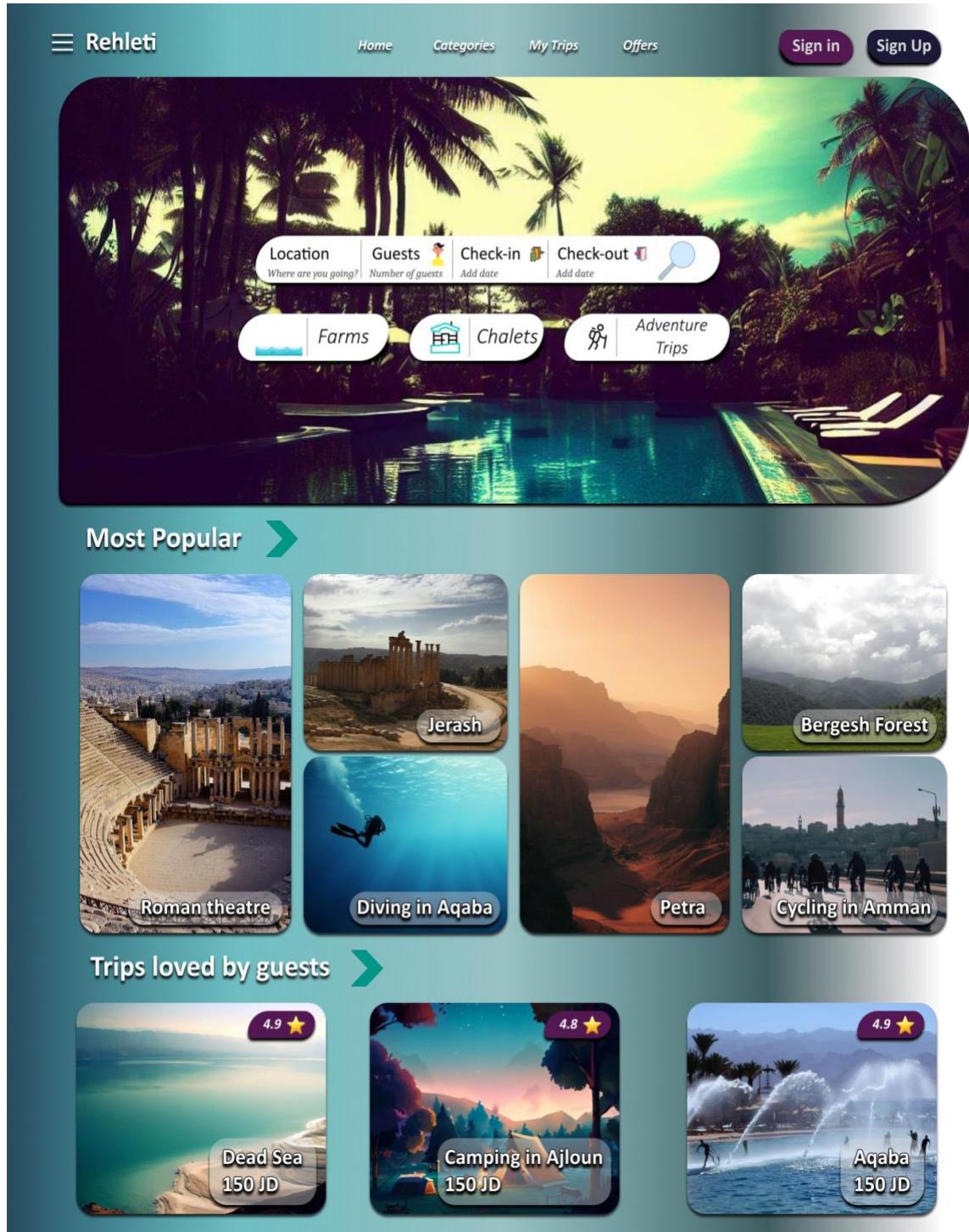


Figure 3.6: Group admin's operation sequence diagram

4.3 User interface design (prototype)

[6]



☰ Rehleti

Home Categories My Trips Offers

Personal Details

Change your photo

Name	Amr Al-adawy	Edit
Email	amral-adawy2023@gmail.com	Edit
Date of Birth	01-01-1999	Edit
Phone number	0790000000	Edit

Log out

Manage your chalet or adventure trip

☰ Rehleti

Home Categories My Trips Offers

Add your adventure trip

The information of your adventure trip

Name

How many guests the adventure trip can take in?

price

phone number

Add an Offer

Give description of your adventure trip:

Check in and Check out date

From Day-Month-Year to Day-Month-Year

Done

☰ Rehleti

[Home](#) [Categories](#) [My Trips](#) [Offers](#)

Add your chalet

The information of your chalet

Name

How many bedrooms?

How many bathrooms?

How many guests the chalet can take in?

price

phone number

Give description of your chalet:

Add an Offer

Check in and Check out date

From Day-Month-Year to Day-Month-Year

Done

☰ Rehleti

[Home](#) [Categories](#) [My Trips](#) [Offers](#)

Manage your chalet ,farm or adventure trip

Sort by ▾

	Salt Chalet 1 bedroom 1 bathroom	Edit 100 JD Show details
	Petra with adventures remaining : 2 person	Edit 300 JD Show details
	Dead Sea Farm 3 bedroom 2 bathroom	Edit 150 JD Show details

[Add](#)

☰ Rehleti [Home](#) [Categories](#) [My Trips](#) [Offers](#)

Add your farm

The information of your farm

Name

How many bedrooms?

How many bathrooms?

How many guests the farm can take in?

price

phone number

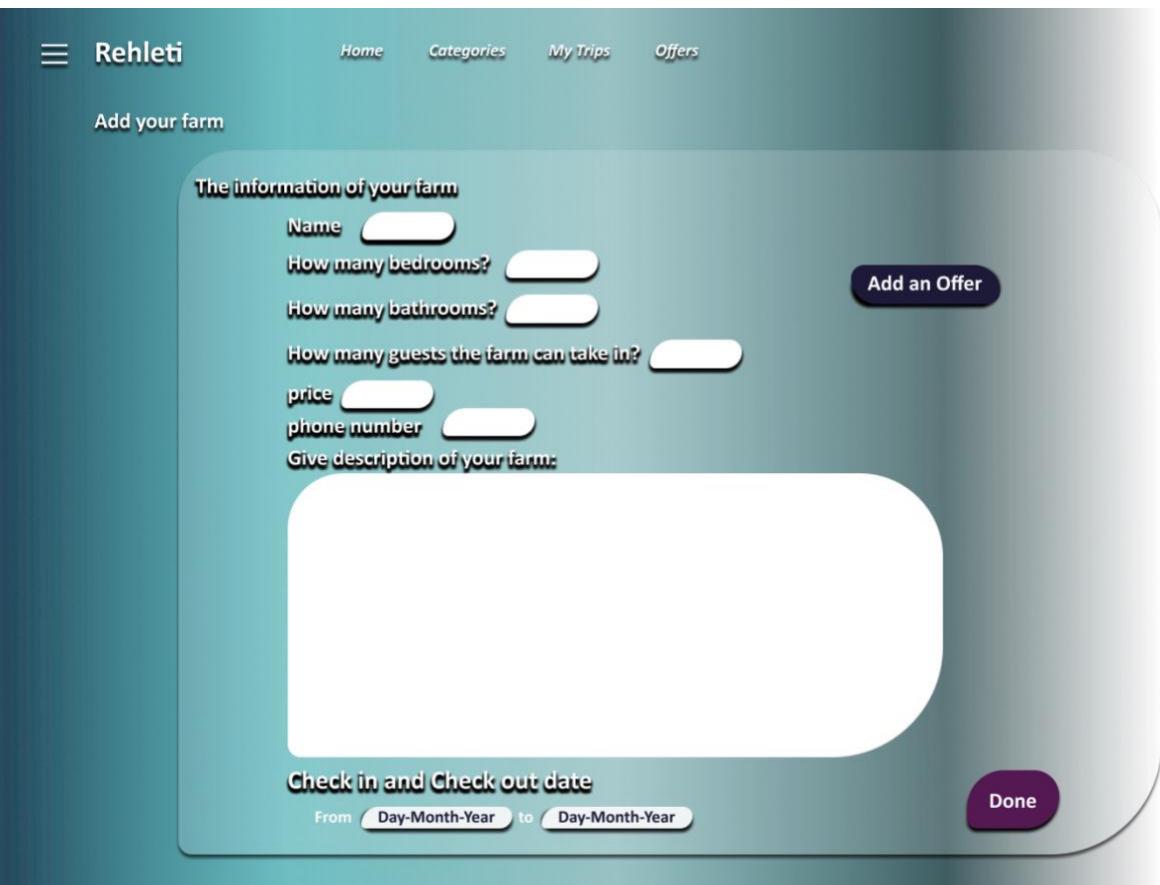
Give description of your farm:

Add an Offer

Check in and Check out date

From Day-Month-Year to Day-Month-Year

Done



☰ Rehleti [Home](#) [Categories](#) [My Trips](#) [Offers](#)

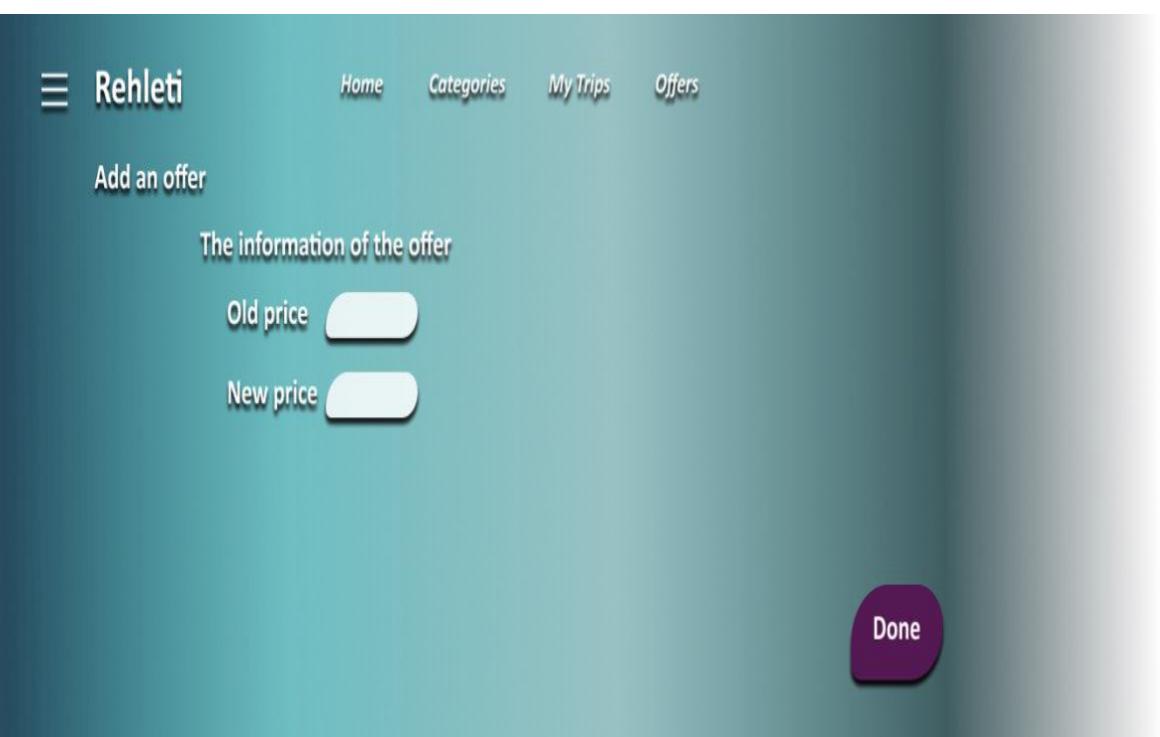
Add an offer

The information of the offer

Old price

New price

Done



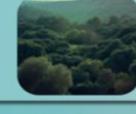
Add

Add your:

- Chalet
- Farm
- Adventure trip

Adventure Trips

Sort by ▾

	<i>Diving in Aqaba</i>	 30 JD
	remaining : 1 person	See booking details
	<i>Pete with adventures</i>	 300 JD
	remaining : 2 person	See booking details
	<i>Ajloun Forests</i>	 175 JD
	remaining : 2 person	See booking details

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Aqaba Farm



Bedroom : 1

Guests : 2

Price : 150 JD

Phone Number: 0799999999

Description :

\$

Payment

<input type="radio"/> Bank transfers	<input type="radio"/> Cash
<input type="radio"/> PayPal	<input type="radio"/> Zain Cash
<input type="radio"/> Visa	<input type="radio"/> Orange Money

Book

☰ Rehleti

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Chalets

Sort by ▾

	Salt Chalet	4.5 ★	100 JD
	1 bedroom		
	1 bathroom		
	See booking details		
	Karak Chalet	5 ★	150 JD
	2 bedroom		
	1 bathroom		
	See booking details		
	Ajloun Chalet	4.9 ★	250 JD
	4 bedroom		
	4 bathroom		
	See booking details		



Added Successfully

☰ Rehleti

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Farms

Sort by ▾



Alghoor Farm

1 bedroom
1 bathroom

4.1 ★

75 JD

[See booking details](#)



Dead Sea Farm

3 bedroom
2 bathroom

4.5 ★

150 JD

[See booking details](#)



Dead Sea Huge Farm

4 bedroom
4 bathroom

4.9 ★

350 JD

[See booking details](#)

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My Trips



Aqaba Farm
1 bedroom
1 bathroom

4.8 ★
150 JD

[Rate your trip](#)



Jet Ski in Aqaba
remaining : 1 person

4.5 ★
50 JD

[Rate your trip](#)

☰ Rehleti

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Offers

[Sort by ▾](#)



Salt Chalet
1 bedroom
1 bathroom

4.5 ★
75 JD - 100 JD

[See booking details](#)



Aqaba Farm
1 bedroom
1 bathroom

4.8 ★
100 JD - 150 JD

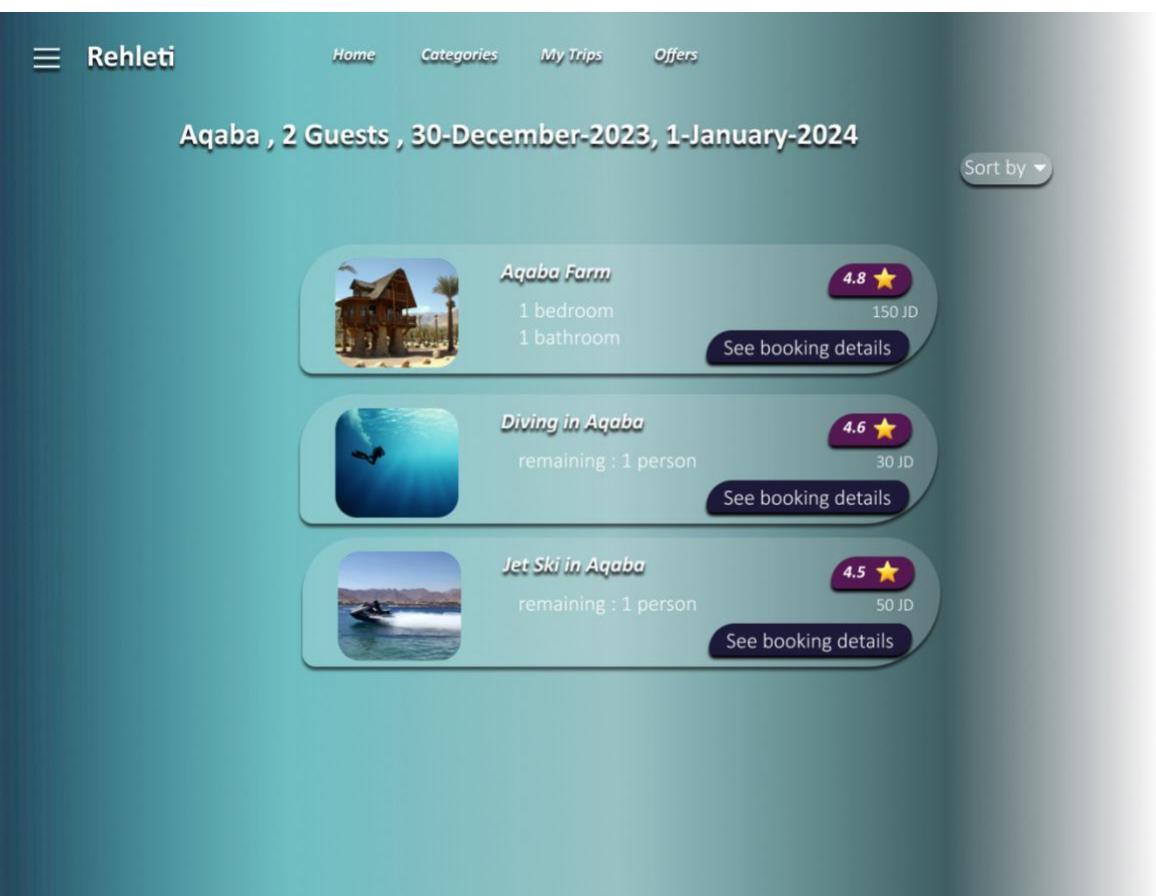
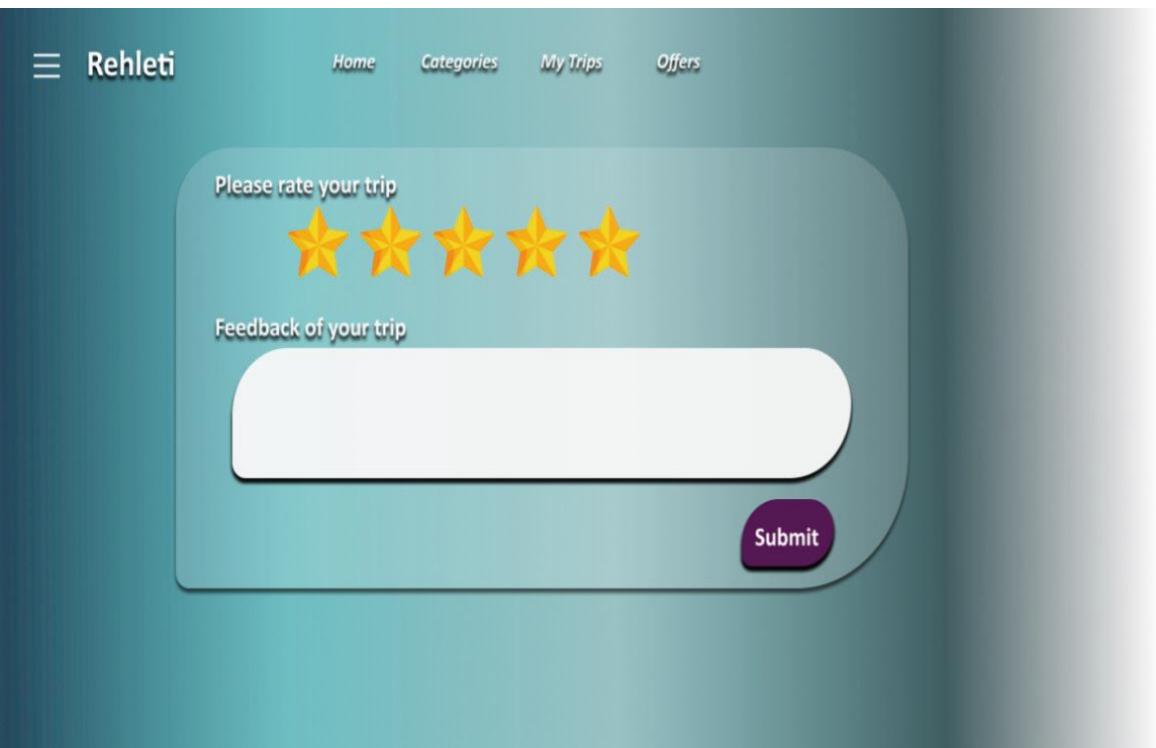
[See booking details](#)

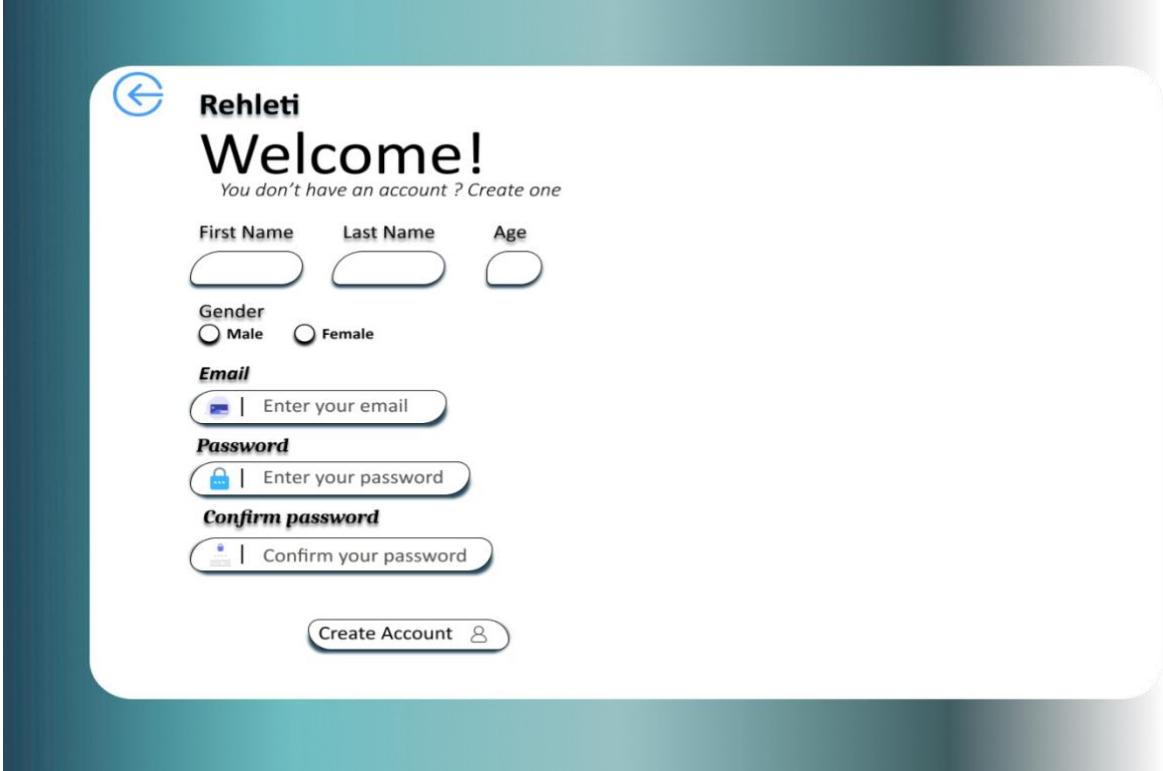
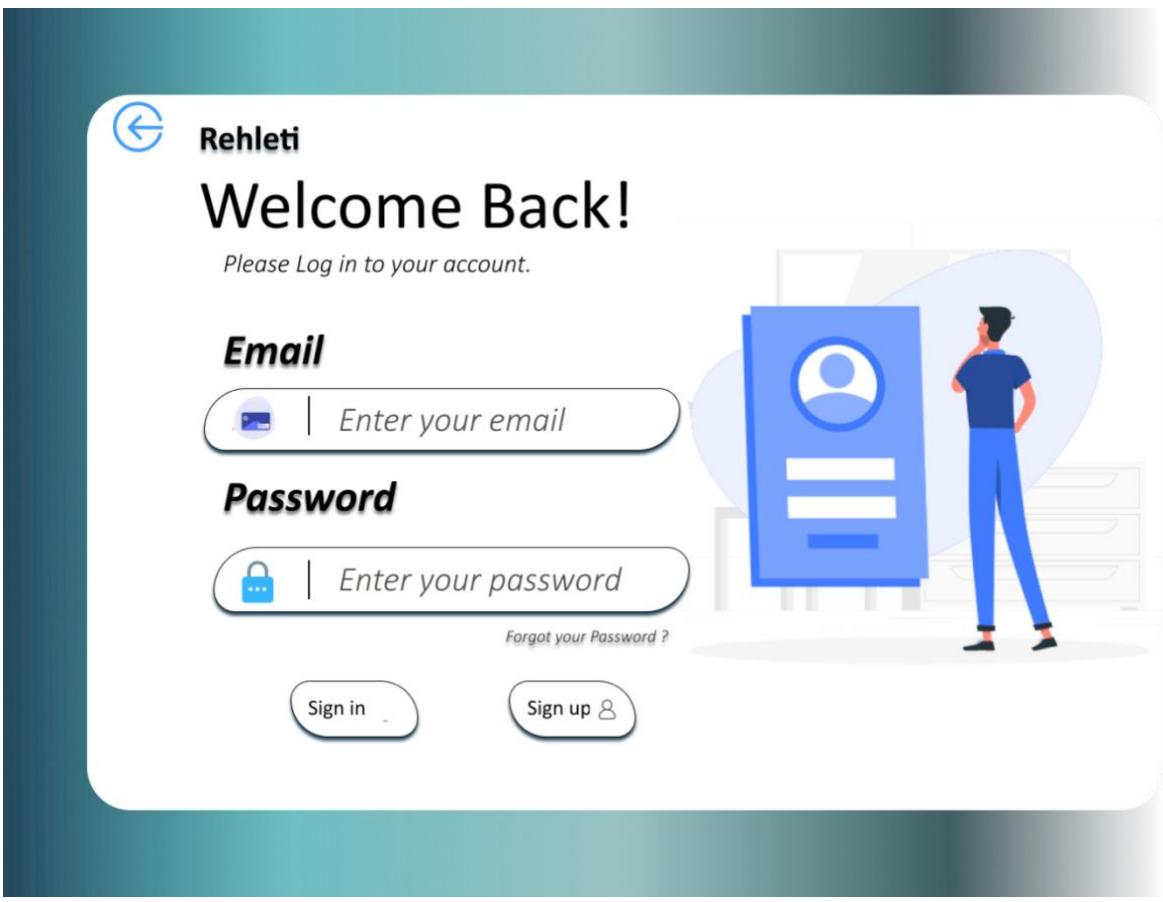


Petra with adventures
remaining : 2 persons

4.5 ★
200 JD - 300 JD

[See booking details](#)





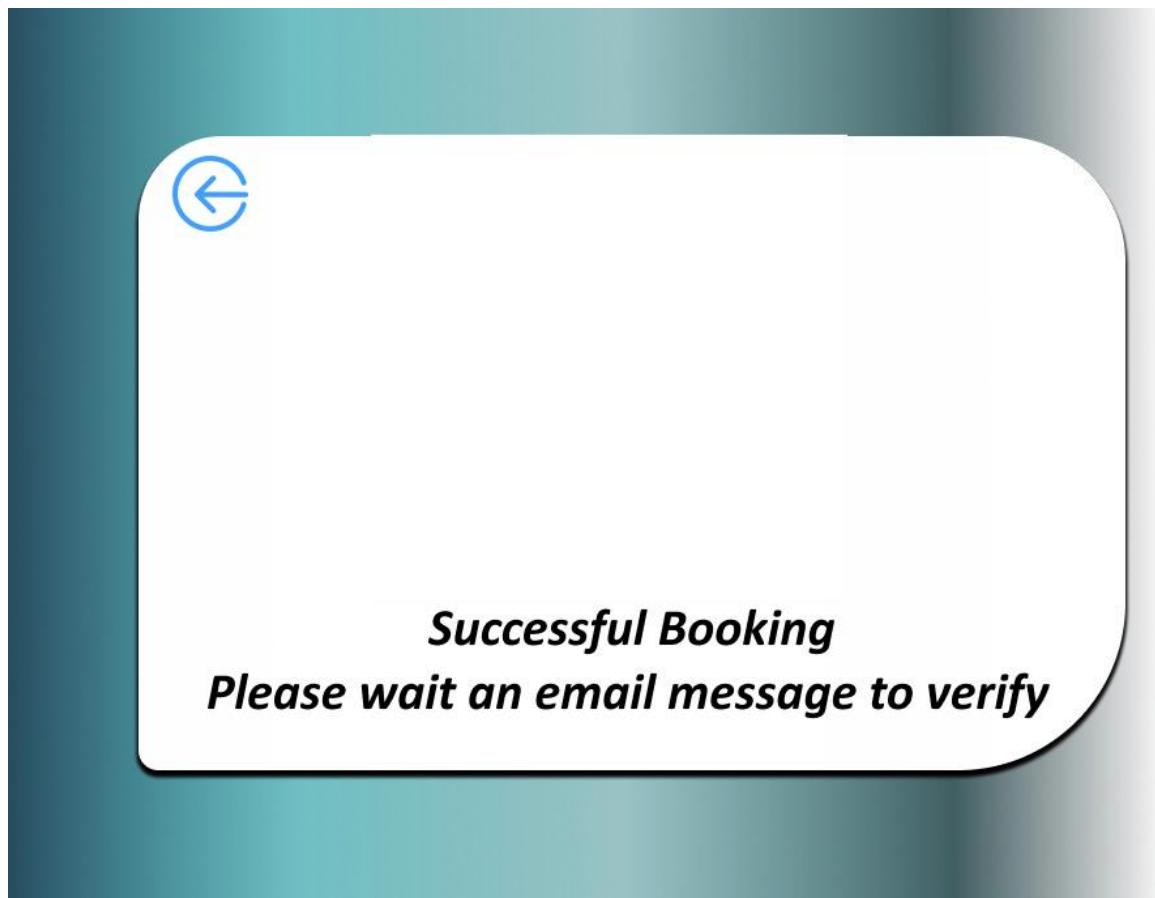


Figure 3.7: UI Design of Rehleti's website.

Chapter 5 Implementation Plan

5.1. Description of Implementation:

C Sharp provides all features needed to make the backend of Rehleti's website. Also, JavaScript provides all features needed to make the design responsive and dynamic with all devices of the website.

- Tools:

- Figma (used for prototyping and UI).
- Draw.io(used for drawing use cases).
- Lucid Chart(used for drawing
- UML diagram and sequence diagram).
- Bing image creator(Used for creating image in AI).
- Remove.bg(used for removing the background of photos).
- Flaticon and Icons(used for all icons and gif).
- Visual Studio Code(used for writing and editing Front-end code).
- Visual studio(used for writing and editing Back-end code).

5.2. Programming Language and Technology:

- ❖ **C Sharp** is a modern, object-oriented programming language developed by Microsoft. It is designed to be simple, powerful, and efficient.
- ❖ **JavaScript** is a programming language that is widely used for building dynamic web applications and interactive user interfaces.
- ❖ **HTML** is used to create and design web pages and applications that are displayed on the World Wide Web. In addition, it provides a structure for web pages by defining different elements like headings, paragraphs, links, images, and other content types.
- ❖ **CSS** is used for describing the presentation and style of HTML documents, including their layout, colors, fonts, and other visual elements.
- ❖ **BOOTSTRAP** is a popular open-source front-end framework used for building responsive, mobile-first web applications and websites. It provides developers with a set of pre-built components, such as navigation bars, buttons, forms, and tables, as well as CSS styles and JavaScript plugins.
- ❖ **jQuery** is a popular JavaScript library that simplifies the process of creating dynamic and interactive web pages. In addition, it provides developers with a set of pre-built

functions and methods that can be used to manipulate HTML documents, handle events, create animations, and more. It also simplifies the process of writing JavaScript code by providing simpler syntax and cross-browser compatibility.

- ❖ **JSON** is a lightweight data-interchange format that is easy for humans to read and write, and easy for machines to parse and generate. Also, it is often used to transmit data between a server and a web application, or between different parts of a web application. It is based on a subset of the JavaScript programming language
- ❖ **Asp.net** is a web application framework developed by Microsoft for building dynamic web applications and services. It is built on the .NET framework, which provides a common set of programming languages, libraries, and tools for developing a wide range of applications. It provides a range of features and tools that make it easier to create scalable, high-performance web applications.
- ❖ **MS SQL Server** is a relational database management system (RDBMS) developed by Microsoft. Moreover, it allows users to store, manage, and retrieve data in a structured way, using a variant of the SQL (Structured Query Language) programming language. It can handle large amounts of data, including complex data types such as XML and spatial data.

Chapter 6 Testing Plan

This chapter outlines the testing approach, procedures, and activities that need to be performed to ensure that a project meets its objectives and requirements. It includes defining the scope and objectives of testing, the types of testing that will be performed, the test environment, specific test cases, procedures for executing tests, reporting procedures, risk management, and more.

6.1. Black-Box:

This type of testing focuses on the behavior of the app and checks if the website gives the right results and does what it's intended to do.

Sign-up functionality: We've tested the sign-up functionality to check some features like the ability to register the new user and check the validation of the user credentials.

Booking functionality: We've tested the booking functionality to check if the user can book a trip at a specific time and date.

6.2. White-Box:

This section focuses on the code, concerned with how functionality is implemented, design patterns, and data structures. By dividing this process into two levels. The first level focuses on each unit, while the other focus on the website.

6.3. Testing Automation:

Selenium is an open-source tool that enables developers and testers to automate the testing of web applications across different browsers and platforms. It provides a suite of tools, including **Selenium IDE** that enable users to write automated tests in various programming languages, record and playback interactions, and run tests in parallel.

Here are some test cases to automate:

- **Integration tests:** Integration tests ensure that different components of the website are working together correctly. These tests are often complex and require multiple steps, making them suitable for automation.
- **Repetitive tests:** Tests that are repetitive, such as data-driven tests or tests that require multiple configurations, can be automated to save time and reduce errors.

Chapter 7 Conclusion and Result

The conclusion is a required part that closes the document with a summary of the study including the problems found and the proposed solution. Most importantly, it should recommend to the readers the benefits of pursuing the project based on the researcher's analysis.

7.1. Summary of the accomplished project:

The project's main idea is to motivate domestic tourism in Jordan by making it easier to book trips. Moreover, offering affordable and competitive prices to attract visitors. Additionally, shed light on places that people don't know about it.

7.2. Future Work:

The website may be part of a larger project that aims to promote global tourism by providing comprehensive services. In the future, it will support multiple languages. The project envisions a website that covers all destinations worldwide. Moreover, Rehleti's can allow users to effortlessly book flights, hotels, accommodations, and various forms of transportation like cars and jeeps. Also, It aims to be for all travel-related needs, motivating tourism worldwide and simplifying the process of planning and booking trips.

REFERENCES

[1] Booking.com: <https://www.booking.com>

[2] Trivago.com: <https://www.trivago.com>

[3] Airbnb.com: <https://www.airbnb.com>

[4] Draw.io: <https://www.app.diagrams.net/>

[5] Lucid chart: <https://www.lucid.app/>

[6] Figma.com: <https://www.figma.com/>

[7] Bing image creator: <https://www.bing.com/create/>

[8] Remove. bg: <https://www.remove.bg/>

[9] Flaticon : <https://www.flaticon.com/>

[10] Icons8: <https://icons8.com/>

[11] Using UML software engineering with objects and components book:

<https://www.amazon.com/Using-UML-Software-Engineering-Components/dp/0201360675/>