

CCN University of Science & Technology

Bachelor of Science in Computer Science & Engineering

Project Title:

“Development of a website for Tourists”

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“Development of a website for Tourists”

This project is submitted in partial fulfillment of the requirements for the degree of Bachelor of Science & Engineering.

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Statement of Originality

It is hereby declared that the contents of this project are original and any part of it has not been submitted elsewhere for the award of any degree or diploma.

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Acknowledgement

First and foremost, we would like to thank God Almighty for giving me the strength to finish this work. The satisfaction that accompanies the successful completion of this project would be incomplete without the mention of people whose ceaseless cooperation made it possible, and whose constant guidance and encouragement crown all efforts with success. I am grateful to my honorable project Supervisor **Farhana Abedin**, Lecturer, Department of Computer Science & Engineering, CCN University of Science & Technology for this kind of advice. We are would like to extend my gratitude to all of my teachers for their valuable guidance in every step of mine during the four years of learning stage. Finally, we would like to thank my friends, seniors, juniors and the staff of the department for their valuable suggestions and assistance that has helped in the successful completion of the project.

Abstract

In today's age of information technology, people use social media or Google to find out about or search for information. More and more queries come on social media asking about tourism, air ticket, hotel booking, Health Insurance, choose the best tourist places. So we are creating an information system called name **Development of a website for Tourists** These information systems contain four different interfaces Air Ticket, Hotel Booking, Health Insurance, and Best Tourism Places. In this information system, we have tried to bring the four departments involved in Tourism on one platform. In this system, people who are interested in tourism, Air tickets, Hotel Booking, Health Insurance, and Best Tourism Places will create their accounts and keep their profiles updated. It allows general users to view their profiles from the Air Ticket, Hotel Booking, Health Insurance, and Best Tourism Places.

Table of Contents

Chapter 1: Introduction

1.1	Introduction	1
		0
1.2	Motivation.....	1
		0
1.3	Contribution of the project.....	1
		1
1.4	Organization of the paper.....	1
		1
1.5	Conclusion.....	1
		2

Chapter 2: System Overview

2.1	Introduction.....	1
		3
2.2	Preliminaries.....	1
		3
2.3	Development Model.....	1
		4
2.3	Steps of Methodology.....	1
		5
2.4	Entity Relationship Diagram.....	1
		6
2.6	Use Case Diagram.....	1
		6
2.7	Conclusion	1
		7

Chapter 3: Implementation Details

3.1 Introduction.....	23
3.2 Data Collection.....	23
3.3 System Requirement.....	23
3.4 Implementation Details.....	24
3.4.1 Home Page.....	24
3.4.2 Registration Page.....	25
3.4.3 Login Page.....	25
3.4.4 Admin Dashboard.....	26
3.4.5 Travel Dashboard.....	27
3.4.6 Tour Place Dashboard.....	28
3.4.7 Air Dashboard.....	29
3.4.8 Hotel Dashboard	3.0
3.4.9 Health insurance.....	3.1
3.4.10 Payment Dashboard	3.2
3.4.11 Payment History.....	3.3
3.4.12 Details.....	3.4
3.4.13 Admin Panel.....	3.5

Chapter 4: Conclusion and Future Recommendation

4.1 Conclusion.....	4.1
4.5 Future Recommendation.....	4.2
4.6 Bibliography.....	4.3

List of Figures

Fig: No:	Figure Name	Pa ge
2.1	Waterfall Model	14
2.2	Information System Block Diagram	15
2.3	Entity Relationship Diagram	16
2.4	Level 0 DFD	17
2.5	DFD for Travel information system	18
2.6	Home page	19
2.7	Login Page	20
2.8	Registration	21
2.9	Home Dashboard	22
3.1	Tour Dashboard	24
3.2	Car Dashboard	25
3.3	flight Dashboard	25
3.4	Health incurrence Profile	26
3.5	Payment History	27
3.6	Payment method	28
3.7	Admin Dashboard	29

Table 4.1: List of questionnaires before implementing application

Chapter 1

1.1 Introduction:

Our country is advancing in the age of information technology and the use of technology is increasing in our country. Most people are using PCs, smartphones tabs etc. People now use Google or social media to search for any information. Moreover, people search for information online about Air tickets, Hotel Booking, Health Insurance, and Best Tourism Places. The user has to spend a lot of time as this information is different through different mediums. In this context, we have tried to bring these four departments involved in tourism on one platform. We are creating a web-based application this name **Development of a website for Tourrists** It has an interface for Air tickets, Hotel Booking, Health Insurance, and Best Tourism Places. This way there will be a separate interface for each. This system is free for all types of people around the world to create an account in this system. They will create an account in this system to take our tourism and hotel services anytime. In which the information of all clients will be stored.

When they keep their information in this information system, we will know about them. Our acquaintance with clients will increase. Clients will be able to know the number of registered Airlines, Hotels, cars, and best tourism Places in the world in this system.

1.2 Motivation:

Motivation is an intrinsic property of a human-being that arises from the inside or of psychological origin. A combination of internal and external forces that motivates to drive the tourism industry. To satisfy all the levels of needs such psychological, physiological, etc. humans travels. It tells of tourist attempt to satisfy their recognized need and strongly influence decisions made by tourist in every steps of decision.

There is always a motive behind everything happens in this world. Always there is a motivation in doing any work or anything. There are mainly two factors in behind happening anything it may be pull factors or push factors. In tourism, behind the movement of tourist there are various motives, it may may be leisure, business, pilgrimage or any other.

As we know tourism is a people centric and one of the fastest growing industry. Assessing behavior and motivations of tourist is a critical task as travel decisions of tourist depends on it. Travel has been a nomadic urge in human earlier in quest of food. As humanity grows desire for shelter came into being and with the rises of civilization search of trade bundles with safety and security. The game changing moment for mass tourism comes with the rise of leisure time. Assessing motivations of tourist is a critical task as travel decisions of tourist depends on it.

1.3 Contribution of Project

- ❖ Air tickets, Hotel Booking, Health Insurance, and Best Tourism Places are the separate interface of this information system.
- ❖ When users click the hotel's button users see all hotel profile cards. The user selects the hotel and views the hotel profile.
- ❖ Users easily can book hotel rooms.
- ❖ Thus user sees all Air tickets, Hotel bookings, Health Insurance, and Best Tourism Places. Users easily can book hotel rooms.

1.4 Orientation of the paper:

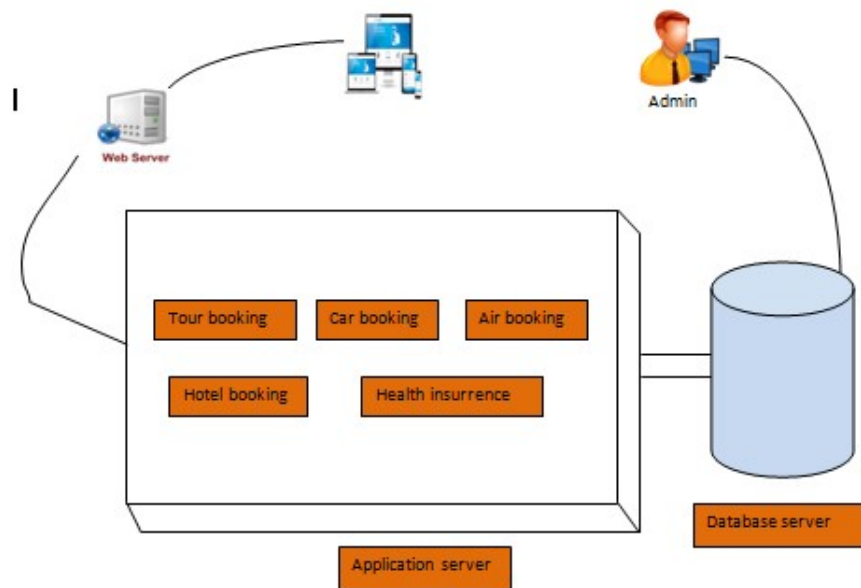
The Short description of next chapter which is used in our project are given below-

System Overview

Our final project name is called **Development of a website for Tourists** This information system is web based application. There are two part of this application registration part and login part. Air Ticket, Hotel Booking, Health Insurance, Best Tourism Places crate his account.

Anyone can access in our system by registering himself. A man who has registered once would access in all of our services except health insurance.

Normal User only views all of our system pages but will be unable to access all of our services. Because, only registered person can access all of our services. Everyone can access in all of our system after registering in our system. We provide information's to our clients of Airlines or air tickets, all types of hotels and restaurants, cars, beautiful and attractive tourism places which are related to tours and travels.



Implementation

This chapter contains the overall working process of our application system. It contains how to create a client or user account.

Conclusion and Future Recommendation

This chapter ends our project paper and some recommendations are given for the future implementation of our project.

1.5 Conclusion

In this chapter, we had given a brief description of our project. In the next chapter, we will discuss more details about our project.

Chapter 2

Literature Review

2.1.1 Sharetrip:

This wave site has been created with one-way convenience for travel. All the facilities available here include flight, holiday, visa application, travel advisory, and spin win. There is a one-way payment method. Fairly good quality wave site in my opinion. It would have been better if car facilities were kept here for travellers.

2.1.2 Agoda:

It is an Indian travel wave site, one of the exceptional features of this website is an airport transfer, today's deals, apartment, tour listing, multi-currency payment system, flight, hotels etc. As we have already understood ShareTip has additional advantages over it.

2.1.3 Gozoyan:

A beautiful website with an attractive design and an exceptional feature is that it specializes in travel loans which I have never seen before. However, transactions are only possible in Bangladeshi currency.

2.1.4 goibibo:

The user interface of this travel website is very attractive, from flights, and hotels, there is more than one transport facility in terms of transportation. For example, buses, trains, cabs, and forex systems are in operation. But no tourist centre is mentioned here.

We have looked at some of the websites above and all of them have something in common. Some of these are exceptional features that make their websites important to users. We have added an exceptional feature to our website. That is health insurance, we take this initiative to avoid health risks while traveling.

2.15 Reference

2.1.1 <https://www.sharetrip.com>

2.1.2 <https://www.agoda.com>

2.1.3 <https://www.gozoyan.com>

2.1.4 <https://www.goibibo.com>

System Overview

2.1 Introduction

This information system is designed to be easily accessible to the average user. It brings together four departments involved in tourism (Air Ticket, Hotel Booking, Health Insurance, Best Tourism Places) on one platform. This information system allows clients to communicate with the Hotel authorities. The clients can choose the best tourism place he/she needs and make a Hotel personnel appointment.

2.2 Preliminaries

People use social media Google find out about or search for information. In today's world people uses Smartphone, iPhone tablet, PC etc. This information system can be used for web browsing from this device. Since it is a wave-based application.

This information system has been created so that people can use it easily. It has a separate interface for each department. When Hotel management completes his registration in this system and updates his information, it will move to the Hotel Booking interface. Then the user will know the information. This way each department will be able to update the information by registering in this system. It will be able to know about registered Air tickets, Hotel Booking, Health Insurance, and the Best Tourism Places in different countries.

2.3 Waterfall Model:

The waterfall is the most conventional software development methodology. It has been one of the most popular approaches for web development projects for several decades due to its plan-driven approach. The Waterfall approach requires a lot of structure and documentation. The process is divided into several stages that form a sequence:

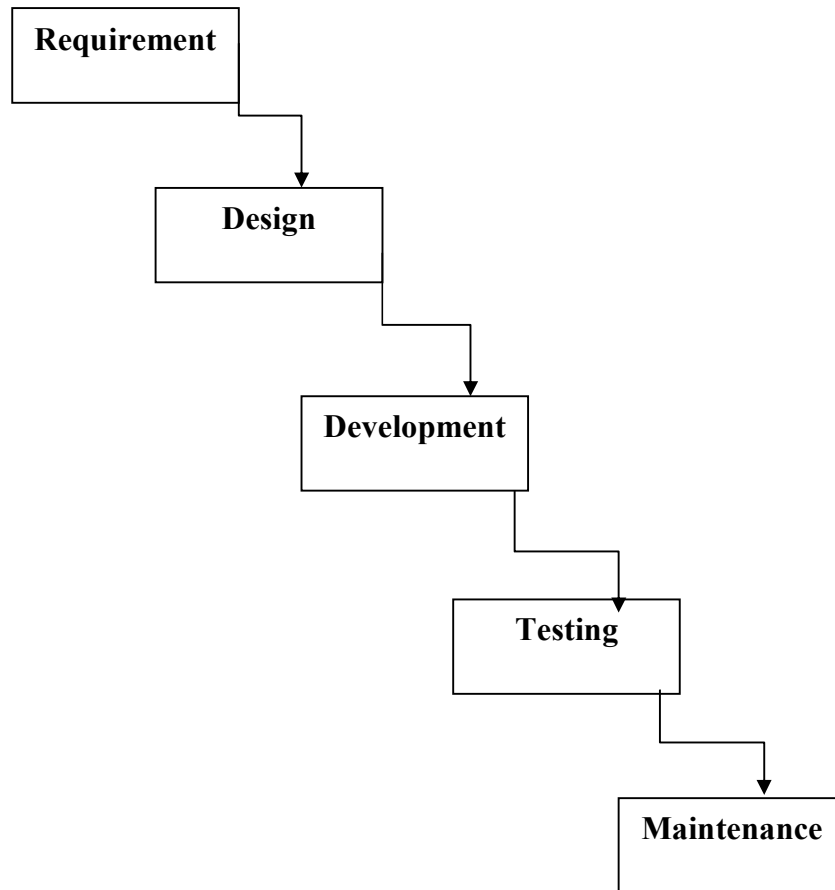


Fig 2.1: Waterfall Model

Requirement: Before doing the project, the needs of the people, what a person needs to travel. A list has been made of it. Accordingly the work has been completed step by step. Issues such as travel destination, hotel booking, car facility, air ticket, and health insurance, payment method, money receipt etc. are done step by step.

Design: All the needs are designed according to the needs of the traveler so that he can easily find solutions to his problems.

Development: The project is developed to be dynamic. So that the user can use as per need.

Testing: After developing the program, it is verified that the program is working properly.

Maintenance: After verification the program is being maintained.

2.4 Steps of Methodology

In our project, there are four separate interfaces. These are Air Ticket, Hotel Booking, Health Insurance, and Best Tourism Places. Every Air Ticket, Hotel Booking, Health Insurance, and Best Tourism Places creates an individual account and updates their information. Normal users view their information.

In our final project information system Block Diagram in below:

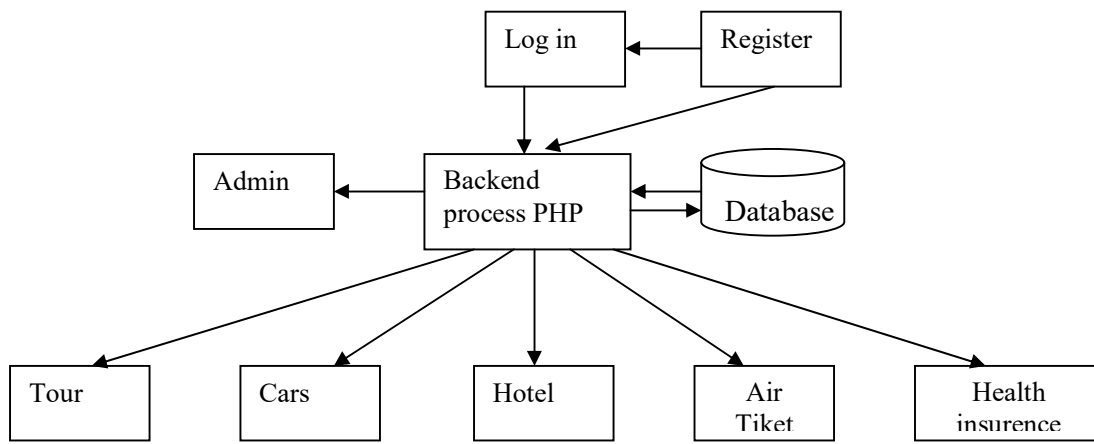


Fig 2.2: Information System Block Diagram

2.5Entity Relationship Diagram

ER diagram stands for Entity Relationship Diagram, also known as ER Diagram is a diagram that displays the relationship of entity sets stored in the database. In other words, ER diagrams help to explain the logical structure of databases. ER diagrams are created based on three basic concepts: entities, attributes and relationships

ER diagrams contain different symbols that use rectangles to represent entities, ovals to define attributes and diamond shapes to represent relationships.

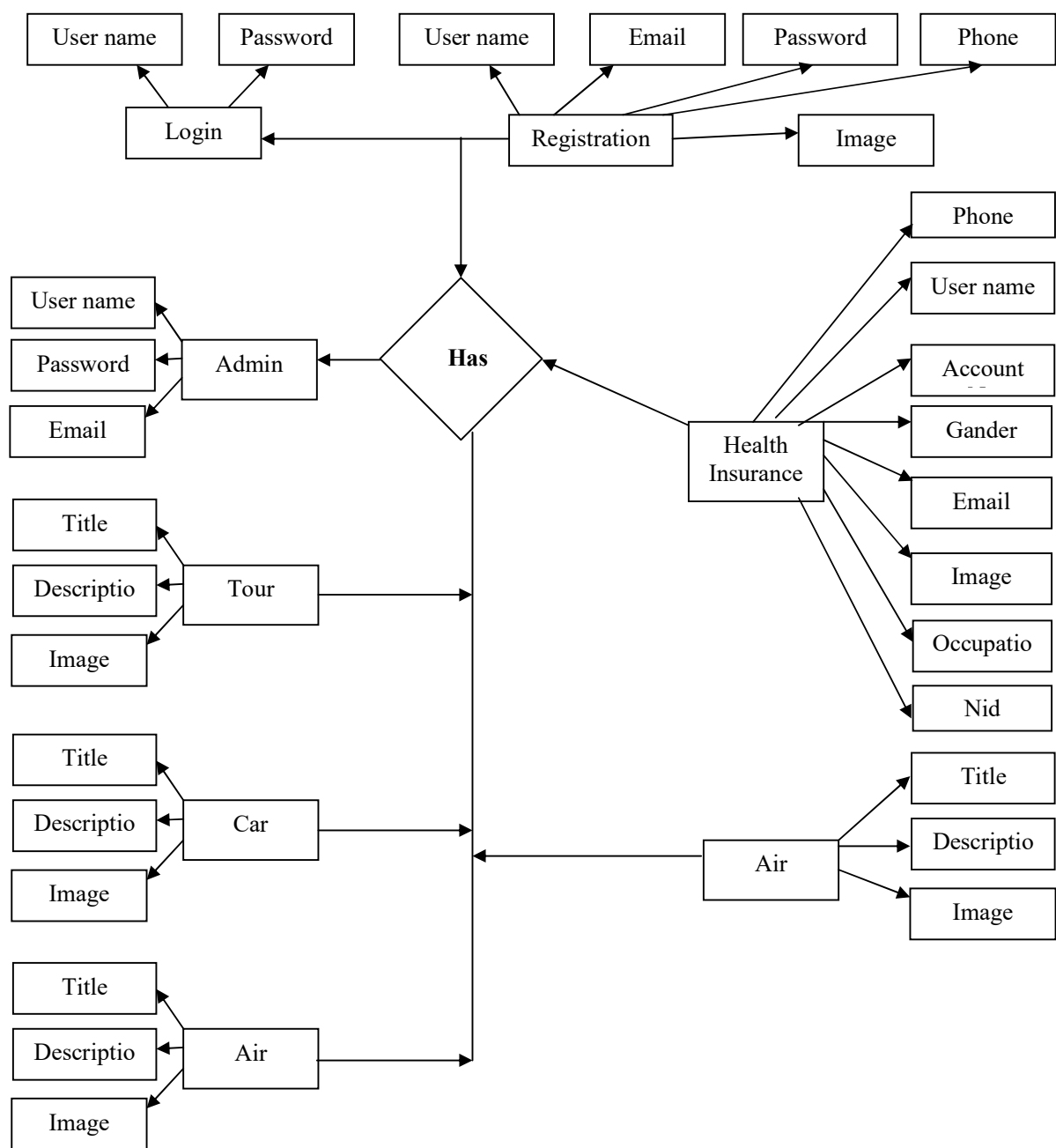


Fig 2.3: Entity Relationship Diagram.

In this diagram, we have shown the relationship between the entities (Air Ticket, Hotel Booking, Health Insurance, and Best Tourism Places). As we have mentioned before we have four interfaces in our information system. The relationship between different phases is shown in the diagram. The entity Air Ticket, Hotel Booking, Health Insurance, and Best Tourism Places is related to the profile and updated profile information

.

2.6Data Flow Diagram

A data flow diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus, short text levels, to show data inputs, outputs, storage points and the routes between each destination. Data flowcharts can range from simple, even hand-drawn process overviews to in-depth.

Our information systems Data Flow Diagram Figure 2.4 is shown below:

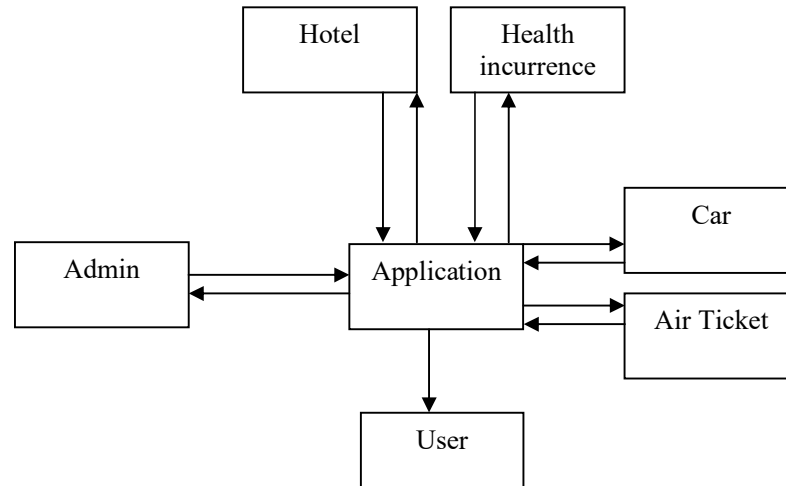


Fig 2.5: DFD for **Development of a website for Tourristsinformation System**

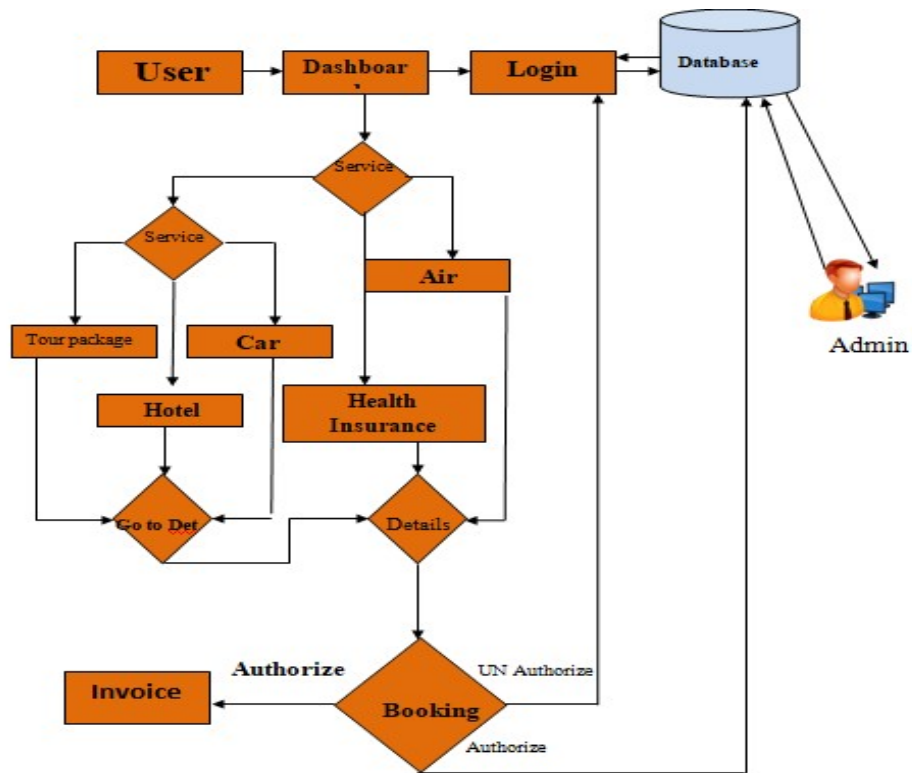


Fig 2.4: level 0 DFD for **Development of a website for Tourrists.**

This data flow diagram shows the process data User (Air Ticket, Hotel Booking, Health Insurance, and Best Tourism Places) Input data. The normal user collects the information in this system. Admin sees all users' information and control the user.

2.7 Use Case Diagram

A Use case diagram is a way to summarize details of a system and the users within that system. It is generally shown as a graphic depiction of interactions among different elements in a system. Use case diagrams will specify the events in a system and how those events flow, however use case diagram does not describe how those events are implemented.

The final of use case diagram is to capture the dynamic aspect of a system. However, this definition is too generic to describe the final, as other four diagrams (activity, sequence, collaboration, and State chart) also have the same final. We will look into some specific final, which will distinguish it from other four diagrams.

Use case diagrams are used to gather the requirements of a system including internal and external influences. These requirements are mostly design requirements. Hence, when a system is analyzed to gather its functionalities, use cases are prepared and actors are identified.

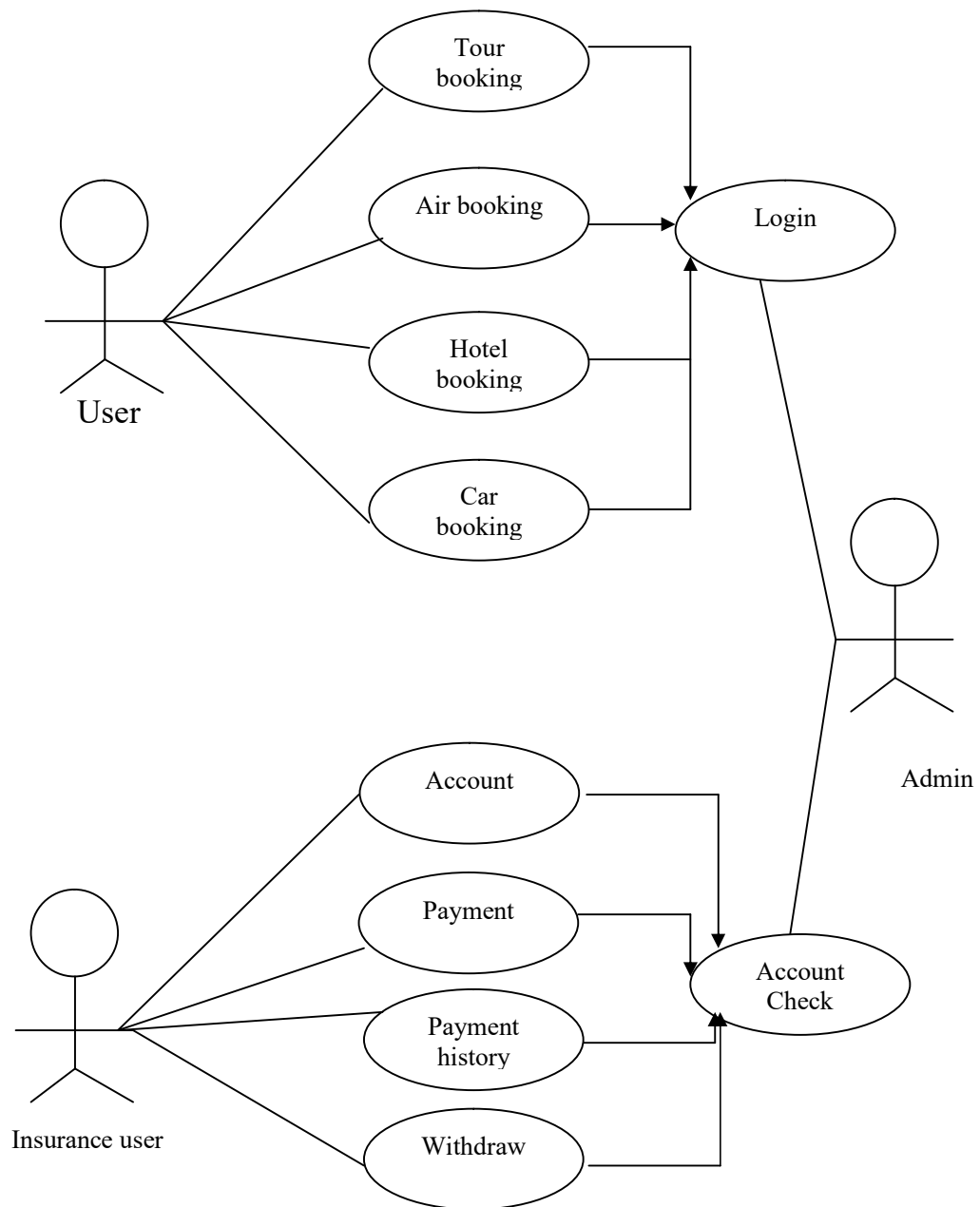


Fig: 2.6 Development of a website for Tourrists use case diagram

2.7 Conclusion

Here we have presented the whole methodology of our final framework. We will describe the total implementation process of detecting hand gestures in real-time environment in the next chapter.

Chapter 3

Implementation

3.1 Introduction

Implementing the Development of a website for Tourristsin the web-based application is a little bit difficult. The complete implementation process for the final system will be described in this chapter. The background task with the required diagram is described clearly in the system overview chapter. Our final system focuses on the interaction of Air tickets, Hotel Booking, Health Insurance, and the Best Tourism Places. These four major parts will play the overall role in the system.

3.2 Data Collection

Air Ticket, Hotel Booking, Health Insurance, and Best Tourism Places user create his account then login to the account and update his profile information. The normal user collects information from this information system. The normal user knows Air Ticket, Hotel Booking, Health Insurance, and Best Tourism Places information in one platform.

System Requirement

- ✓ Personal Computer
- ✓ HTML
- ✓ CSS
- ✓ jQuery
- ✓ PHP
- ✓ Laravel Framework
- ✓ Mysqli Database

Implementation Details

In this system, there are five interfaces as we have mentioned before. Air Ticket, Car, Hotel Booking, Health Insurance, Best Tourism Places. This web app will have a registration and login system. So Air Ticket, Car Hotel Booking, Health Insurance, and Best Tourism Places will create accounts in their names. Here the user type is given in the registration section. If a user wants to create an account as a client, he will select the client as the type of user. This way the user will create an account according to his type. Air Ticket, Car Hotel Booking, Health Insurance, Best Tourism Places login to his account and update profile information.

3.4.1 Homepage

This is the first page of our system. These pages contain login and registration part. Four interfaces Air Ticket, Car Hotel Booking, Health Insurance, and Best Tourism Places.

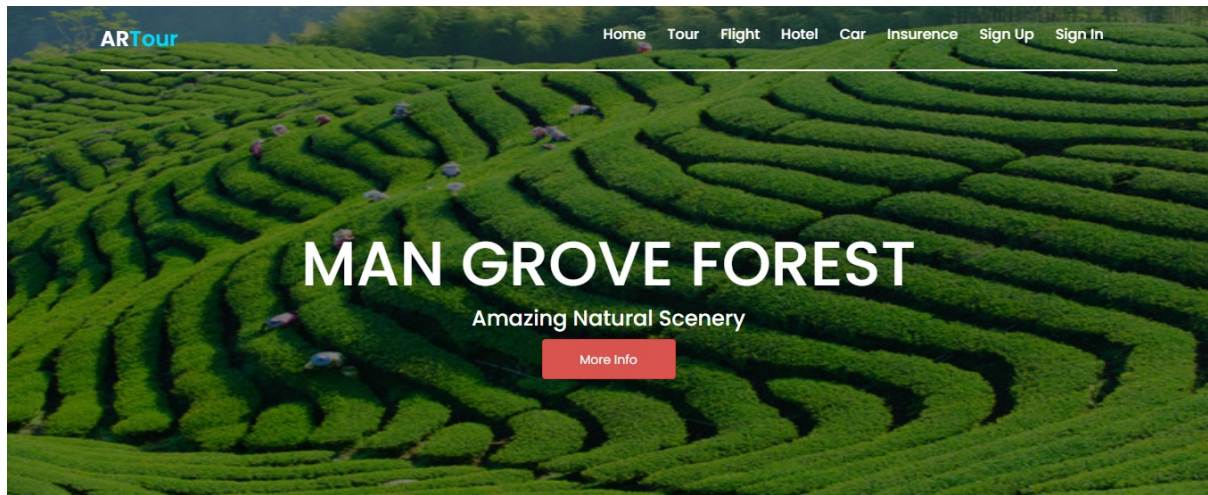
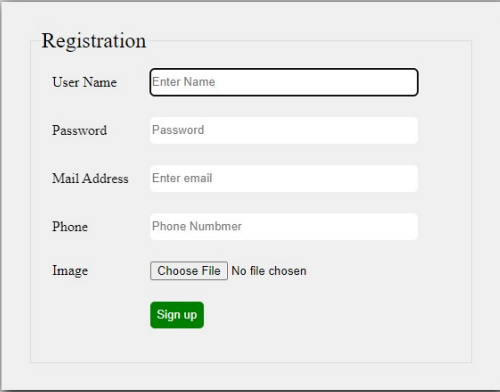


Fig 3.1: Home Page

Registration Page

This is the registration page of our final system. There are five types of users Air Tickets, Car Hotel Booking, Health Insurance, and Best Tourism Places. Create their account.



The image shows a registration form titled "Registration" centered on a gray background. The form contains the following fields and elements:

- User Name:** A text input field with the placeholder text "Enter Name".
- Password:** A text input field with the placeholder text "Password".
- Mail Address:** A text input field with the placeholder text "Enter email".
- Phone:** A text input field with the placeholder text "Phone Numbmber".
- Image:** A file upload section with a "Choose File" button and the text "No file chosen".
- Sign up:** A green button with white text located at the bottom of the form.

Fig 3.1: Registration Page

3.4.2 Login Page

This is the login page of our final system. When a user creates account then he uses email and password and login in his account. After login account then update his profile information.

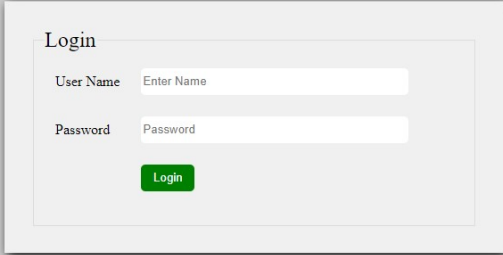
A screenshot of a login form centered on a gray background. The form is titled "Login" and contains two input fields: "User Name" with the placeholder text "Enter Name" and "Password" with the placeholder text "Password". Below the input fields is a green "Login" button.

Fig: Login

3.4.4 Best Tourism Places

After creating an account Best Tourism Places Users can access the system. When he/she login account to redirect Tourism Places Dashboard. Every user can choose Best Tourism Places from here after login into our system. And then he/she will place an order for the desired tourist place.

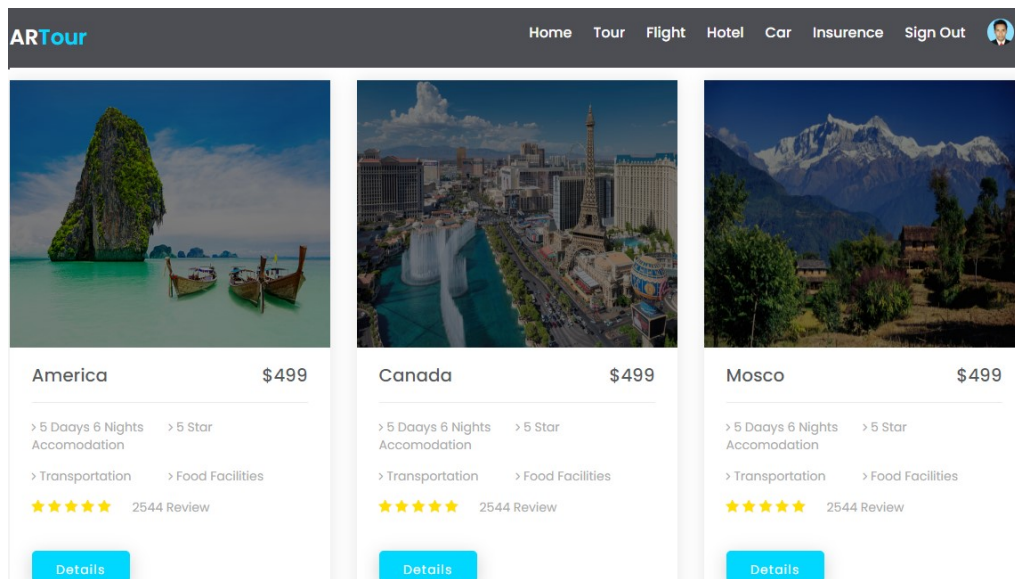


Fig : Tourism Places

3.4.1 Air Ticket Dashboard

After choosing a tourist place a user has to choose the best Airline to go to their desired place. So user comes to this page for choosing the best airlines in our system.

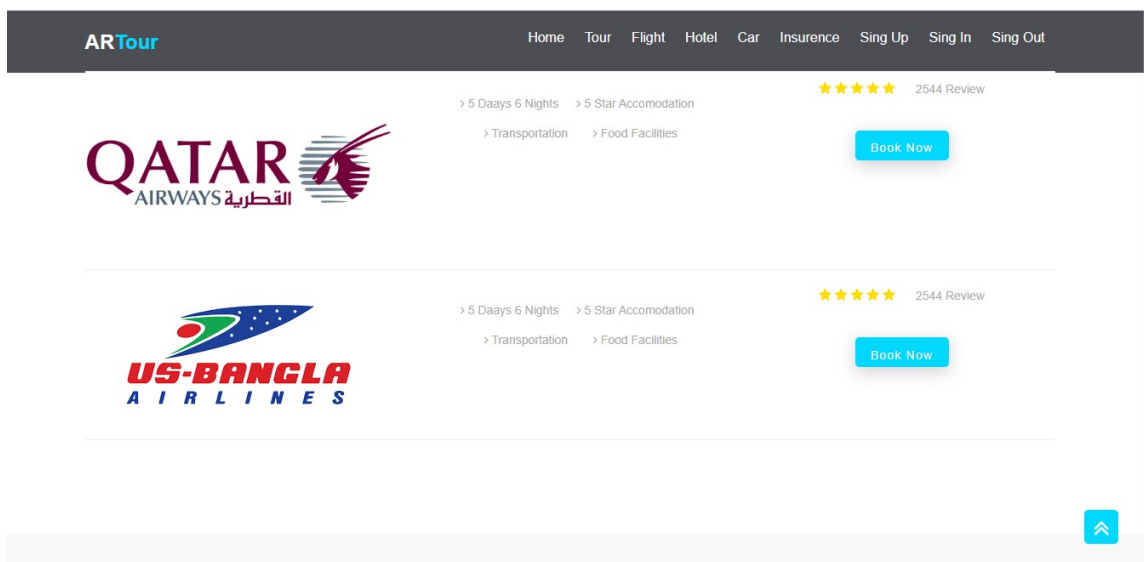


Fig : Air Ticket

3.4.1 Hotel Dashboard

Every user or client can choose the best hotels for living there during the time of their vacation in the best hotel. So every user has to come to this page to choose the best hotel from our system to get the best offers that we provide.

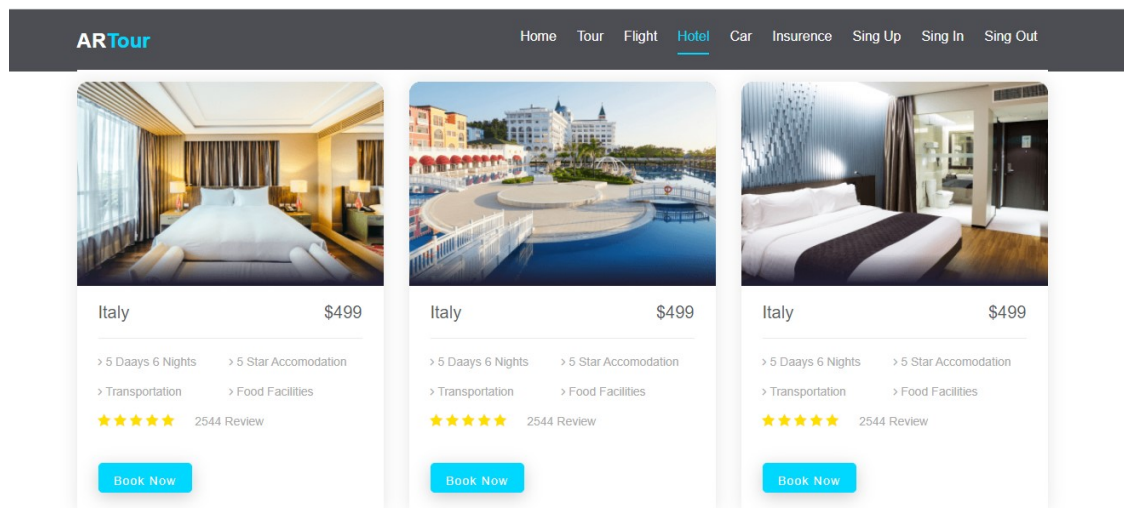


Fig 3.6: Hotel Dashboard

3.4.1 Car Dashboard

Every user or clients' offer system will get the best offers from ours if they choose can service from ours to choose car services ever clients for choose car services. Every user or client's offer system will get the best offers from ours if they choose can service from ours to choose car services ever clients for choose car services.

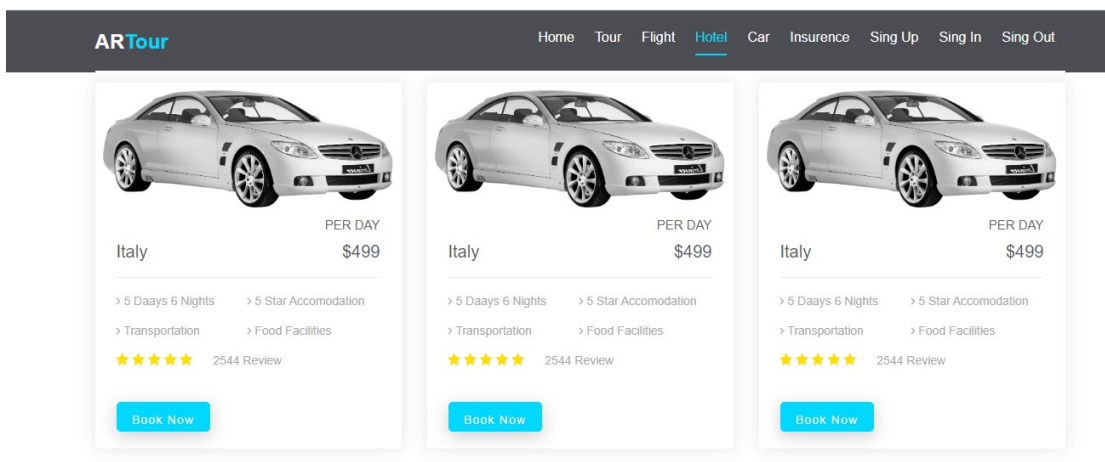




Fig 3.7: Car Dashboard

3.4.1 Health insurance

The Dashbord is for health insurance of our clients for user. Any clients or user can choose health insurances to go any tourism place from our. Clients will have to come in this pase or dashboard to create spacel account to get health insurance service . this page will content spacial registration and login data for the clients who need health insurance service.

ARTour[Home](#)[Tour](#)[Flight](#)[Hotel](#)[Car](#)[Insurence](#)[Sing Up](#)[Sing In](#)[Sing Out](#)



Name	Abdur Rahamn
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Nid	3303289091 

Father Name	Bacchu Miya
Mother Name	Mst.Fardusi Begum
Blood Group	B+
Gender	Male
Date of Birth	13/08/1995
Joining Date	12/06/2022

Fig 3.7: Health Incurrence

3.4.1 Payment

this dashboard will contain all time of local and international payment method like master card, visa card, Paypal, bks, roket.

Back Home

Billing address

Full name
John Doe

Mobile
+88 01711xxxxxx



Your cart 3


Product name Brief description	1000
Second product Brief description	50
Third item	150

Fig: Payment

Invoice

After paying of payment client will get an invoice from our system on this page.

[Home](#) [Tour](#) [Flight](#) [Hotel](#) [Car](#) [Insurance](#) [Sing Up](#) [Sing In](#) [Sing Out](#) 



Customer Name
Mobile : +880 18614-13646
Email : artour@gmail.com
Address : Dhaka, BD

AR Tour
+880 18614-13646
artour@gmail.com
BD

INVOICE # 102

Description	Amount
Payment for August 2016	15,000/-
Payment for June 2016	6,00/-
Payment for May 2016	35,00/-
Total Amount:	65,500/-
Late Fees:	500/-
Payable Amount:	1300/-
Balance Due:	9500/-
Total:	31,566/-

Date : 15 Aug 2016
Thanks For Shopping I

Fig: Invoice


Payment History

All our payment history of the single client will appear on this page so client we have to come select Payment history on this page.

ARTour[Home](#)[Tour](#)[Flight](#)[Hotel](#)[Car](#)[Insurance](#)[Sign Up](#)[Sign In](#)

Payment History

Payment History / Pyment



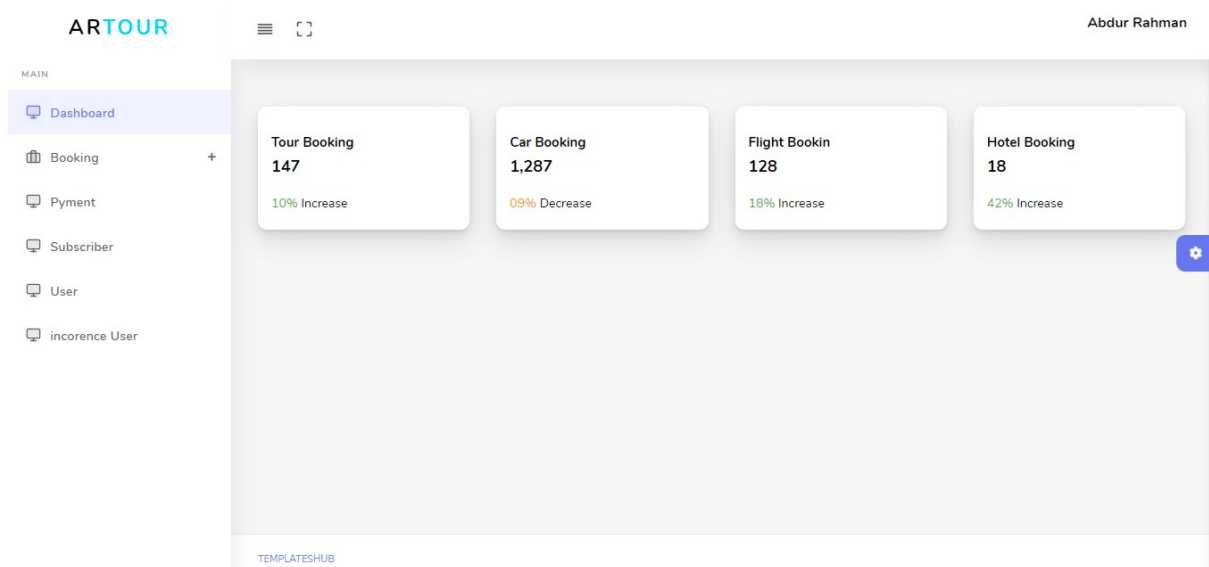
Name	Date	Month	Year	Blance	Total Blance
Abdur Rahman	12/06/2022	Julay	2022	20000	10.000
Abdur Rahman	12/07/2022	Julay	2022	10.000	10.000
				Total	20.000

Fig : Payment History

Admin Dashboard

Admin user can control all user, admin user can create account, show, edit and delete user account.

Chapter 4: Experimental Results And Discussion.



4.1 Introduction:

In this chapter, we will describe the experimental results of the final project. We have satisfied the objective of our final system which we have mentioned before in the paper. In this chapter we have worked with some real data. From several user, Air Ticket, Car, Hotel Booking, Health Insurance, Best Tourism Places we have collected data. And from that information we have tried to fulfill their requirement through our system.

Experimental data:

I did a survey of different user and Hotel to measure the applicability of our final system.

4.1.1 Case study

We have talked to several Hotel and user to verify the content we have used in our system. We have made some questionnaires for both.

Table: 4.1 List of questionnaires before implementing applications.

Question of patients	Yes	No	No need
1. Do you search for a Best tourism place on Google or social media?	10	2	3
2. Do you have trouble getting numbers for Hotel Booking?	11	3	1
3. Do you want to know which tourism place is locket where?	15	0	0
4. Having trouble knowing the location of any air ticket, car, hotel booking, health insurance, best tourism places?	8	4	3
5. Would you like to know the details of all the air ticket, car, hotel booking, health insurance, best tourism places?	13	1	1

Question for Air Ticket, Car, Hotel Booking, Health Insurance, Best Tourism Places	Yes	No	No need
6. Do you want to publish your information online?	13	2	0
7. Do you want to publish your air ticket information online?	15	0	0
8. Do you want to publish your Car information online?	15	0	0
9. Do you want to publish your Hotel Booking information online?	15	0	0

Graphical Representation:

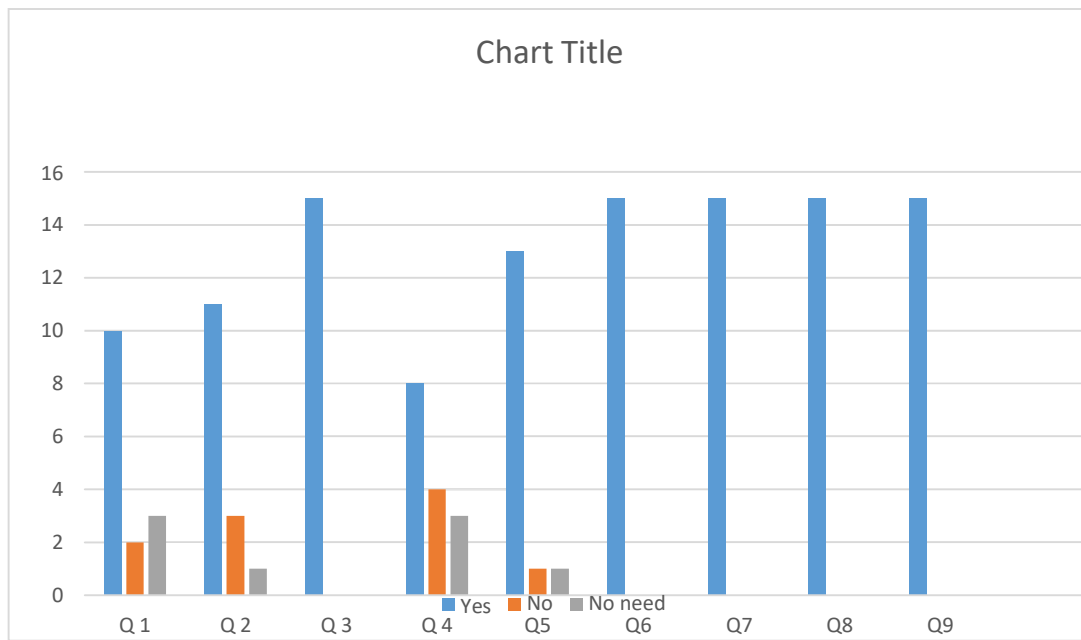


Fig 4.1: Chart of normal user, air ticket, car, hotel booking, health insurance, best tourism places user opinion before implementing system.

So firstly the important phase of collecting some opinion from general people and air ticket, car, hotel booking, health insurance, best tourism places are saved in the database and according to that opinion the chart is formed.

4.1 Conclusion

Our final information system is Development of a website for Tourrists using a web-based platform. Our information system provides air tickets, car, hotel booking, health insurance, and best tourism places information.

In our web-based information system to communicate Client and Hotel and Car, Client and Air ticket, client and car, client and health insurance, client and best tourism place. Now a day's people are more dependent on modern technology. Our project aim is to provide air ticket, car, hotel booking, health insurance, best tourism places information and help to people through web-app. The web-based application nowadays is very popular. It can give their information to people.

Our information system only air tickets, cars, hotel booking, health insurance, and best tourism places create an account according to user type. Every user has a different user profile form. Every user has a unique email id and password. They update profiles anytime in this system. Normal users or clients collect air tickets, car, hotel bookings, health insurance, and best tourism places information on one platform.

General users, air tickets, cars, hotel booking, health insurance, best tourist places will all benefit from our Wave application. Air tickets, cars, hotel booking, health insurance, and best tourism places, for example, have various banners, festoons and notices for their introduction. Our final system will also serve as a means of communicating with them. We hope that our system will be popular with The people.

Limitation

- Our project includes health insurance which is a Totally different from other travel web sites.
- We use multiple payment methods on our web site, including local and international transactions. This is another attraction factor for users.
- We increase the quality of service by bundling small services into one package and bringing them within reach. As a result, you can enjoy more than one service at the same time.

Bibliography

I have the collect all the information from the following source:

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