TOURIISM & TRAVLE COMPANY MANAGEMENT SYSTEM

Database class project 2021/2022

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Date/time

----------This section is intended for the Instructor----------

Topic	**Mark**
Project Requirements and Modeling	
Correctness of Database mapping	
Functional Dependency and Normalization	
Project Tools	
Project Discussion	
Project Completeness	
Project Output Results or reporting (JasperReport, charts, graphs, etc.)	
Project Administration and Management	
Project Report	
Project Idea	
Project Complexity	
Team work	

Abstract

In this project, it aims to build a tourism company application that travelers will be able to use and book their trips, using the NetBeans program for design and SQL developer program to create a database and store information in it and there are many features in this application like creating accounts on it ,adding, modifying ,deleting Product ,Customer, Category and more than it, and we reached for this work using the course lectures and YouTube.

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Introduction

This application is intended for the traveler and employees within the tourism company, each of them will create accounts on the application and then start using the application.

The tourist begins by looking at the available trips and their details, and then decides if he wants to choose the trip or not, and here comes the job of the admin. He looks at the reservations that have been booked and the remaining reservations.

In the end, we organized the process and made it easier for the tourist, so he could book from his home, and this saves him time and effort.

Requirements

The tourism company application will be used by the customers(Travelers/Tourists) And admins(employees). It keeps track the customers and their reserved tours, hotels, transactions.

The company is divided into sections(departments), Inquiry section here will display all the flight details such as the flight date and duration, the hotel and the food available on this trip, and finally the price of the trip.

The second section is the booking confirmation section. Here the price will be displayed for the entire trip and the actual reservation. Then it will move to the payment section. Here, the appropriate payment method will be determined for the customer, then payment and bye.

Each user has a unique Social security number [SSN], name which is a composite attribute[name], phone number[phone], gender [gender] (MALE [M],FEMALE[F]), birth of date[Bdate], password (to login into the application), Address[Address]. Two subclasses of the user are identified: customer and admin. Specific attribute of customer is passport[Passport] and of employee are salary[Salary]and office phone[Ophone].

****Each employee belongs to only one section.**

Each section has a section Name[secName],and section ID[secID].

The inquiry section has a Trip ID[TripID] ,and Descrption [descrption].

The Reservation section has a Reservation ID[RID],Torest ID[torestID],Trip ID[tripID] and price[price].

The Finance section has a Reservation ID[RID] and Payment methode[payMethode].

The payment methode is two type cash or by visa card , if the torest chooses visa card We will ask for his visa number.

The visa has a Torest ID[torestID],and visa Number[visanum].

Note: The type of trips we offer are internal or external flights, the external typ:do not have hotel and food service.

The Functional Dependency

Admin Table: Admin ID------ salary ,office phone , section id , Social Security Number , Name , Phone Number , Gender , Birthday , User Name

Password.

Costumer Table : Costumer ID------- Passport , Reservation ID , Social Security Number , Name , Phone Number , Gender , Birthday , User Name

Password.

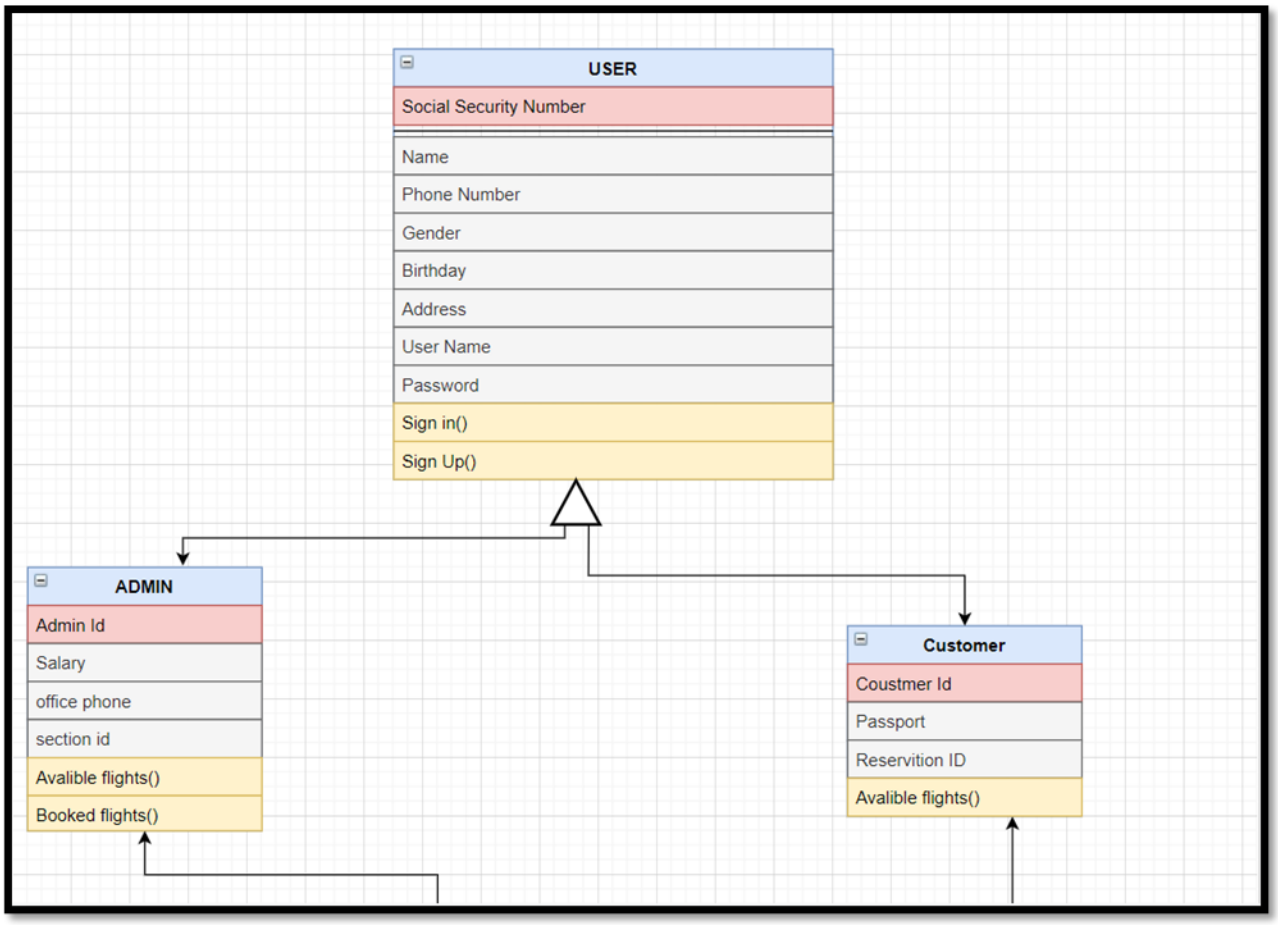
Finance Table: Serial ID-------- Reservation ID , PayMentMethode , section ID , section Name.

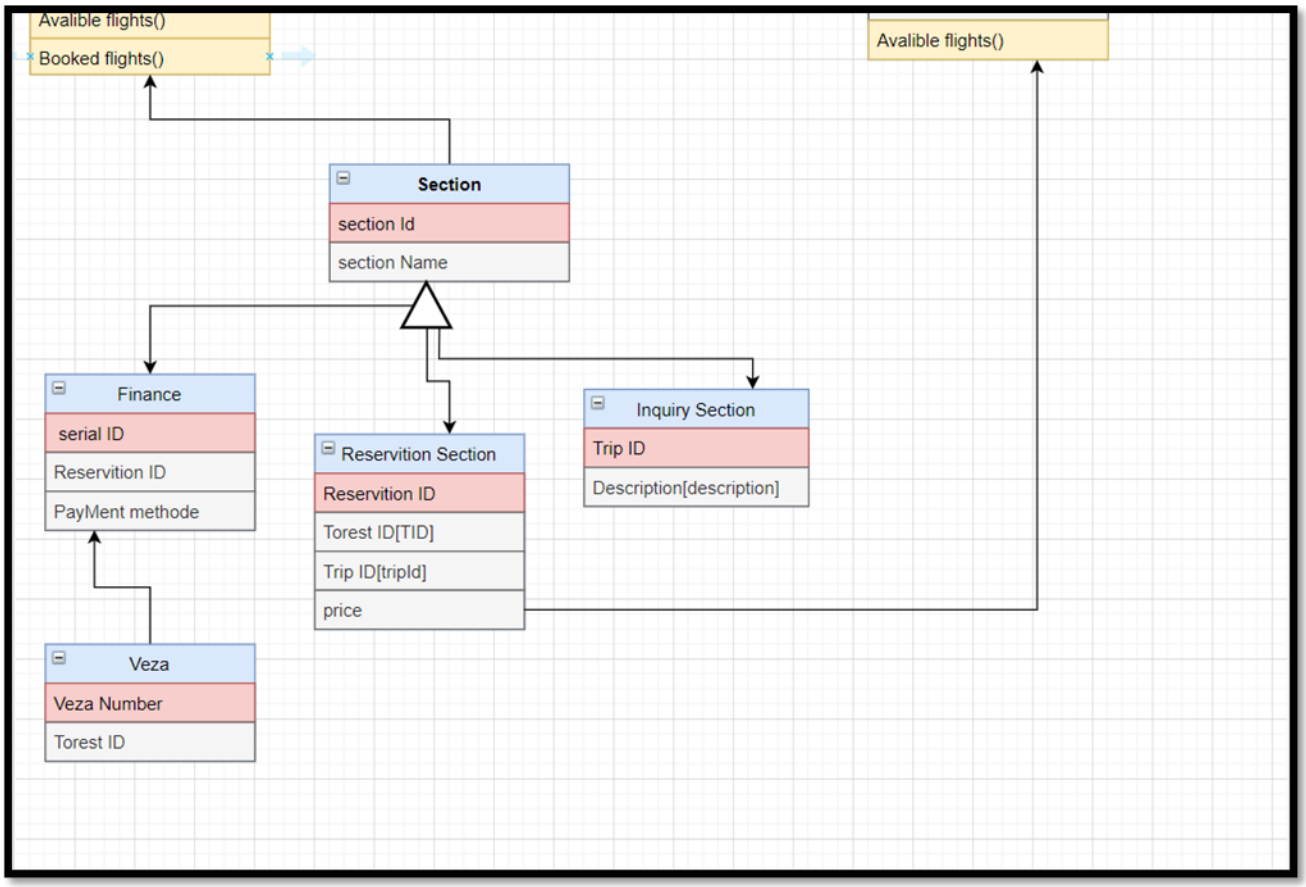
Reservation Table: Reservation ID------- Torest ID , Trip ID , price, section ID , section Name.

Inquiry Table: Trip ID------- Description , section ID , section Name.

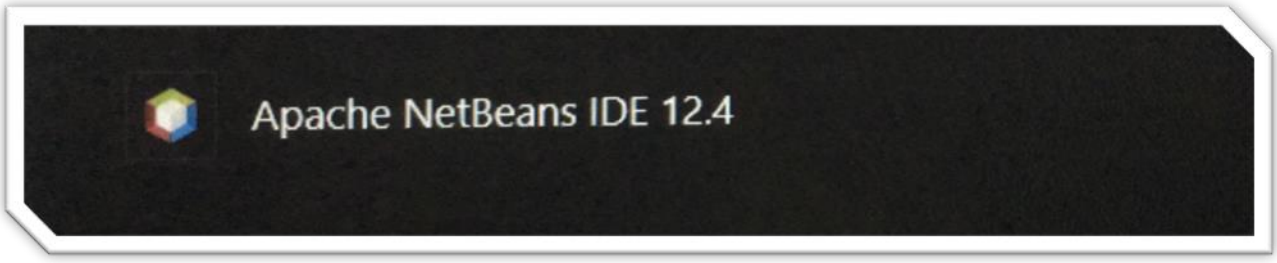
Normalization

UML


USER
Social Security Number
Name
Phone Number
Gender
Birthday
Address
User Name
Password
Sign in()
Sign Up()
ADMIN
Admin Id
Salary
office phone
section id
Avalible flights()
Booked flights()
Customer
Coustmer Id
Passport
Reservition ID
Avalible flights()


Avalible flights()
Booked flights()
Avalible flights()
Section
section Id
section Name
Finance
serial ID
Reservition ID
PayMent methode
Reservition Section
Reservition ID
Torest ID[TID]
Trip ID[tripId]
price
Inquiry Section
Trip ID
Description[description]
Veza
Veza Number
Torest ID

Tools


Apache NetBeans IDE 12.4

ORACLE

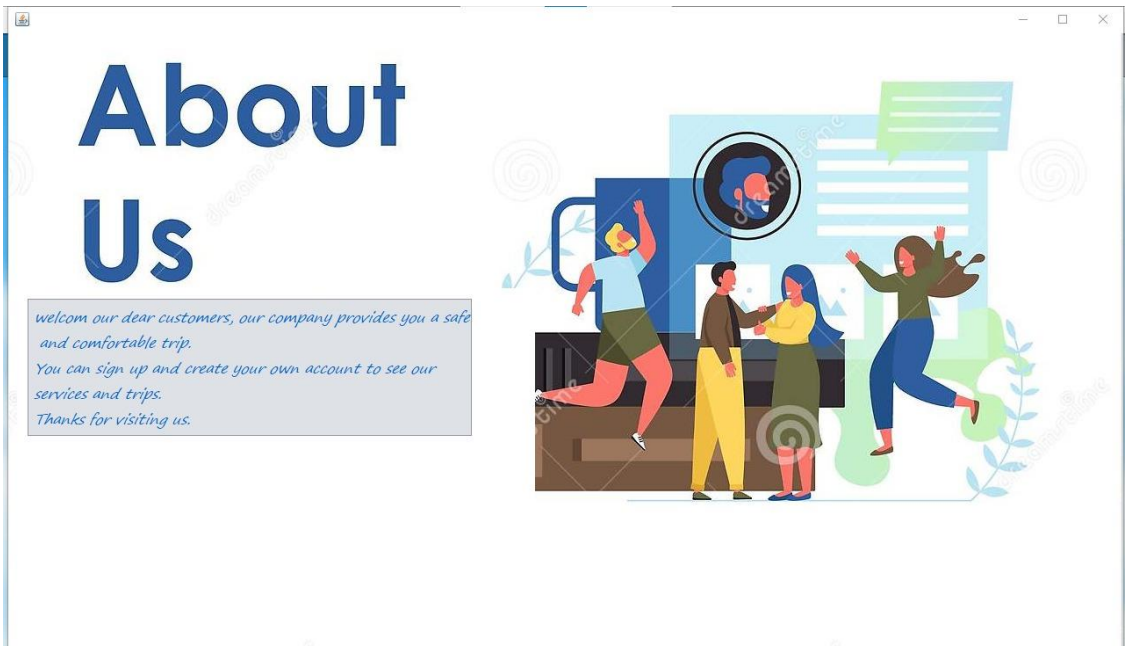
Sql developer

Interfaces

The beginning of the project with this opening interface

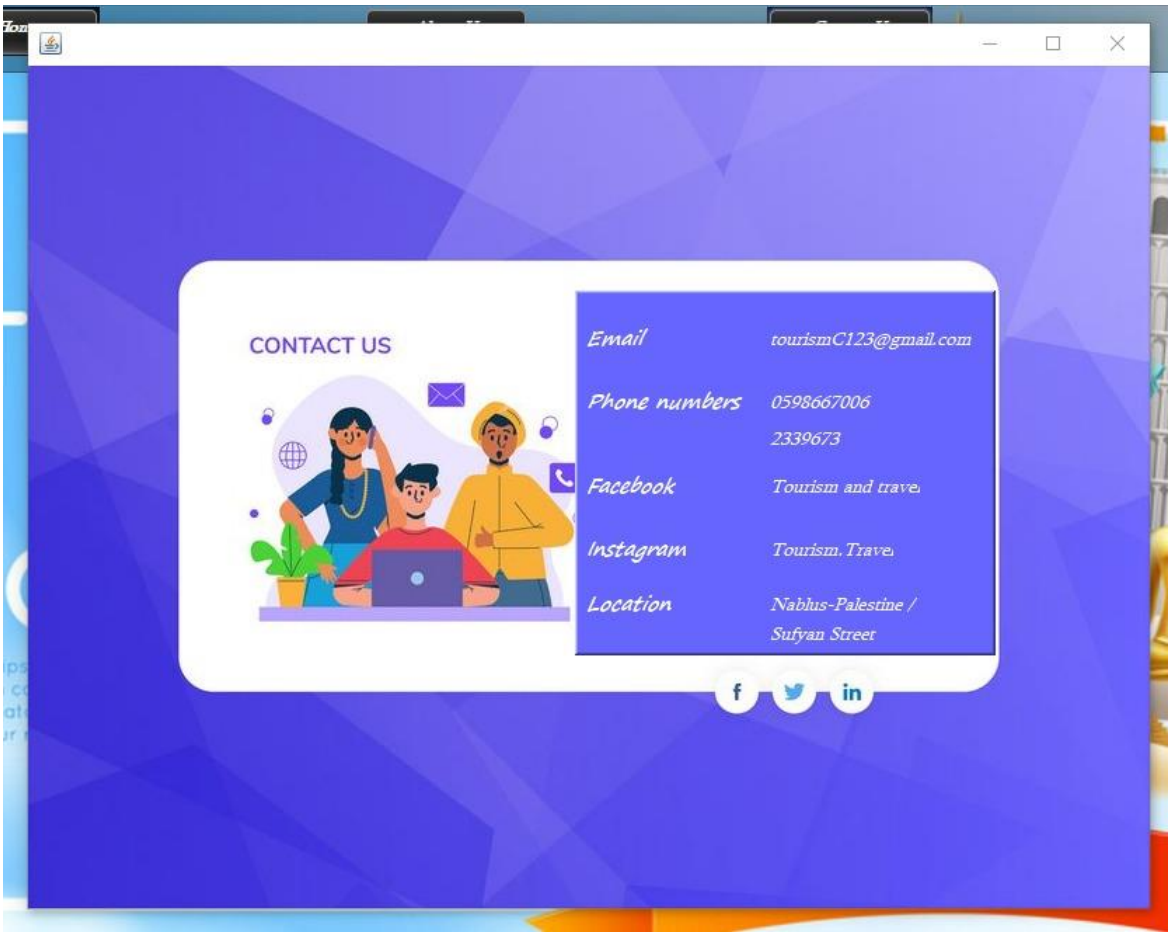
If you do not know anything about the system of our company, you can click on the button (About Us),To view company details.

When you click (About Us):



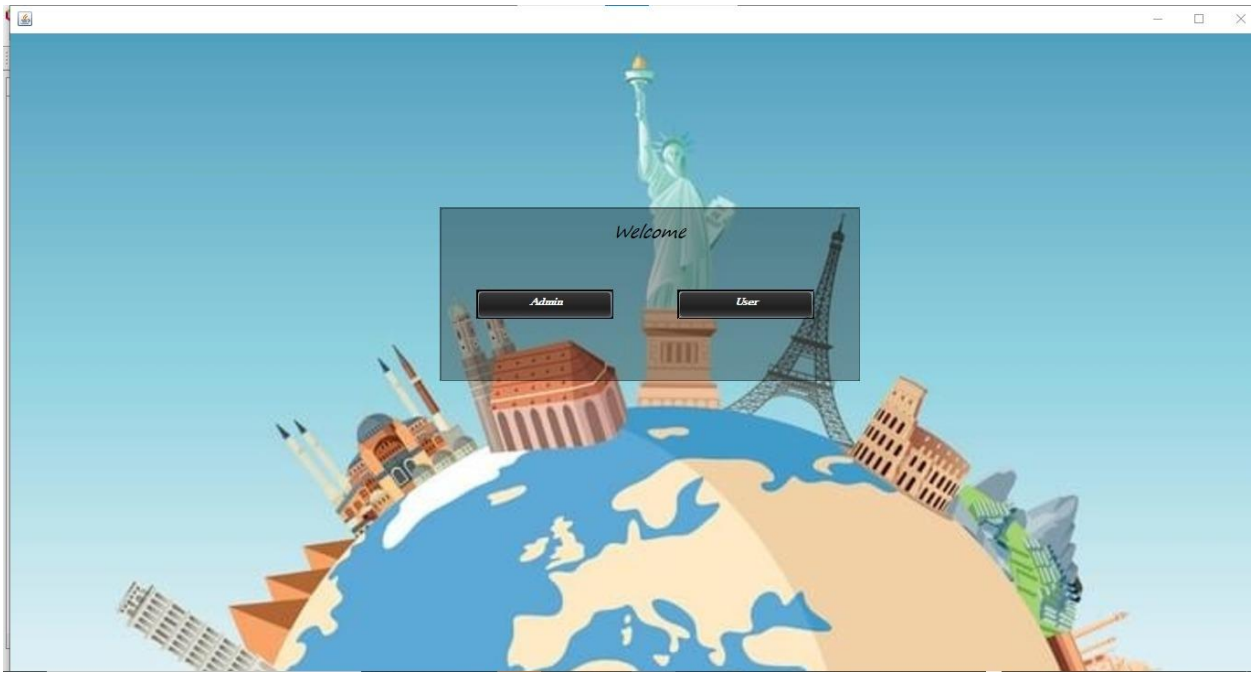
if you want to contact us, you can contact us by phone or by email click (Contact Us).

When click (Contact Us):



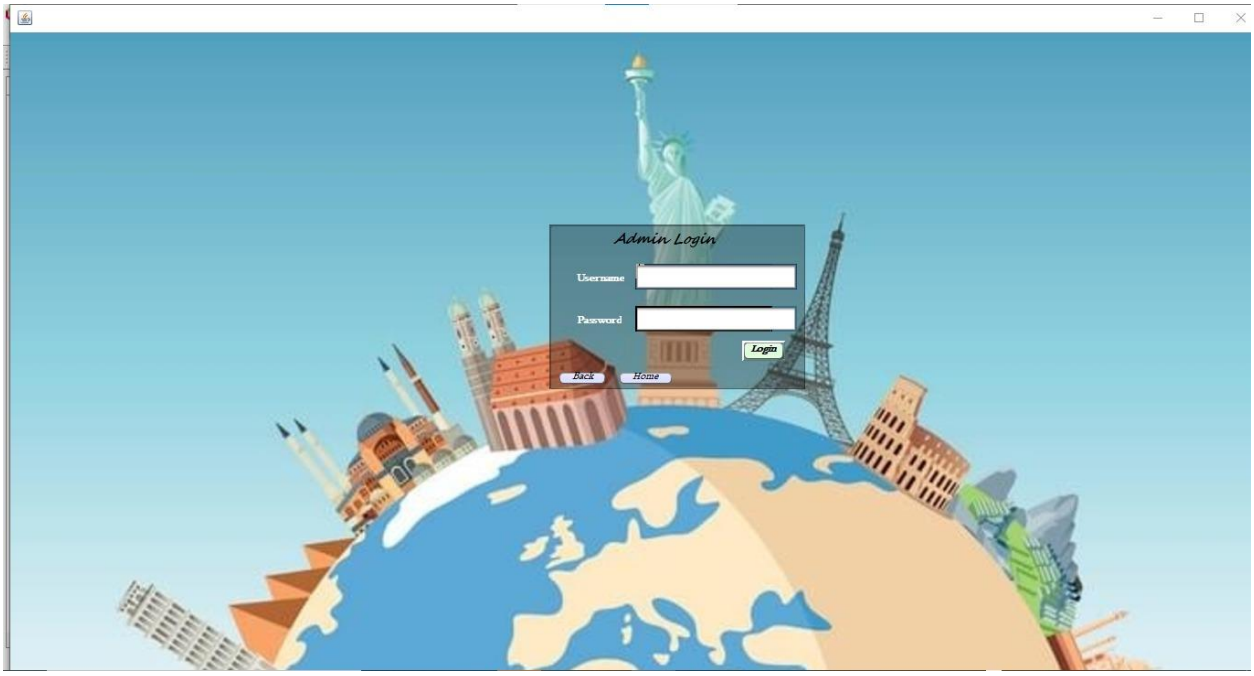
Ok, now you must log in to the program

Click on(login)



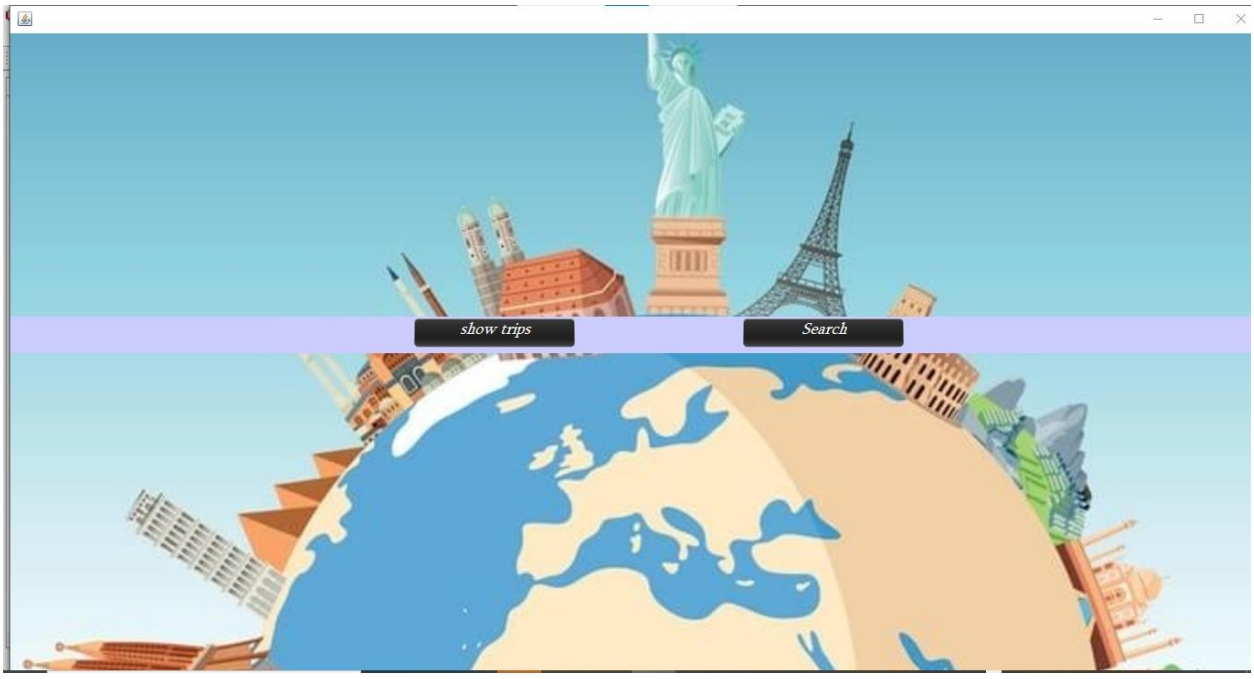
Now choose <u>admin</u> if you are an employee of the company, but if you are a tourist, choose <u>User</u>

If you choose admin:



When you log in as admin ,that means enter a correct username and correct pass

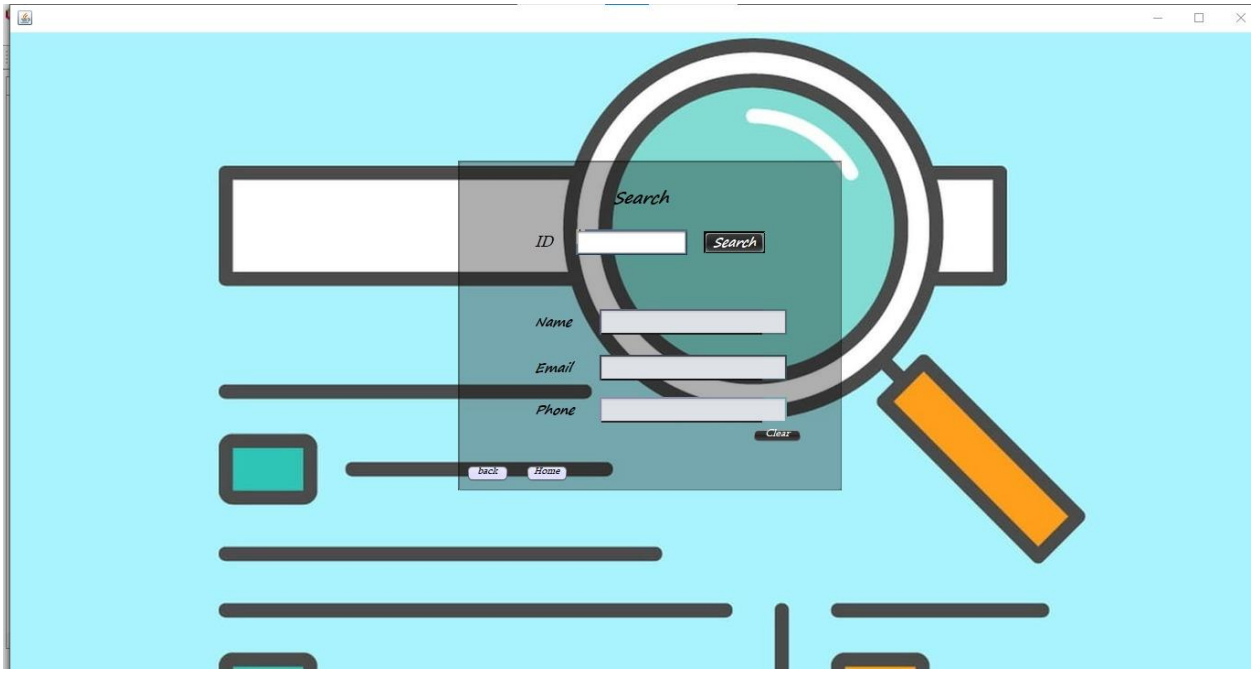
Click (Login):



Now if you want to show the trips click (show trips)

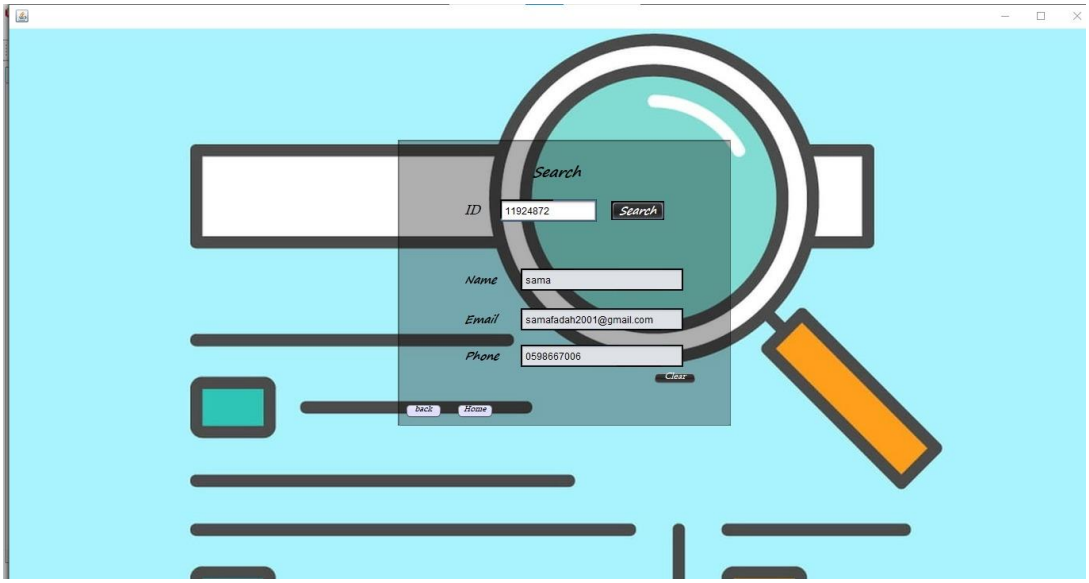
Click (show trips)

If you wont to search

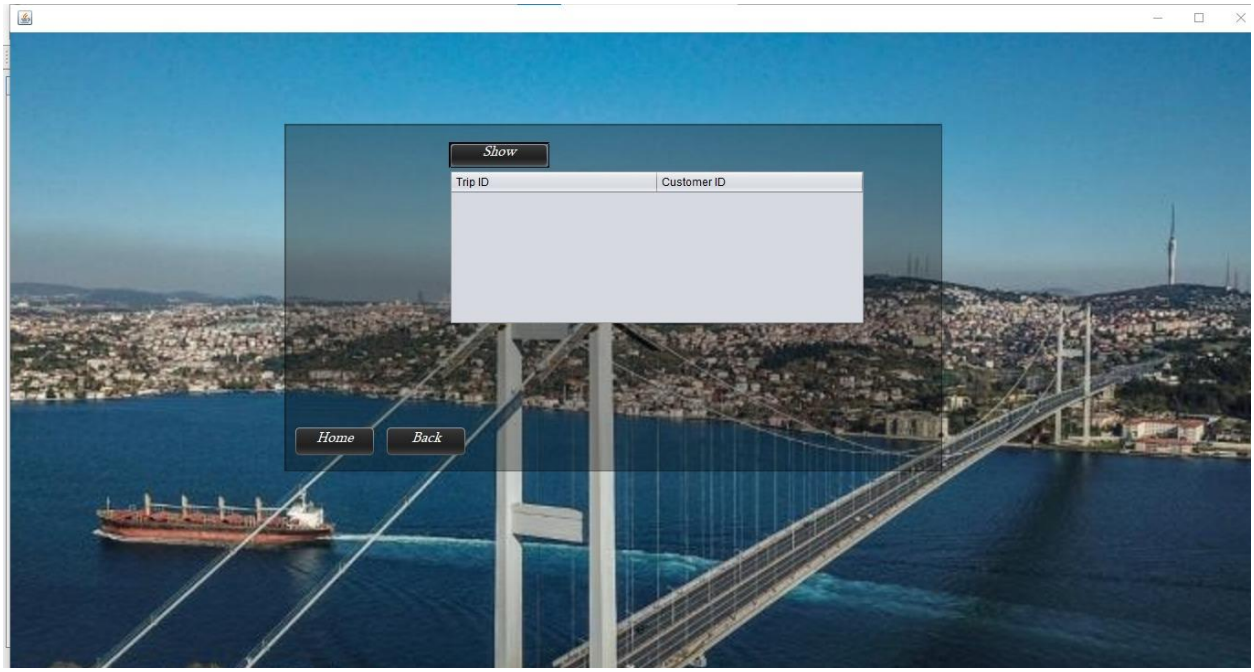


Example

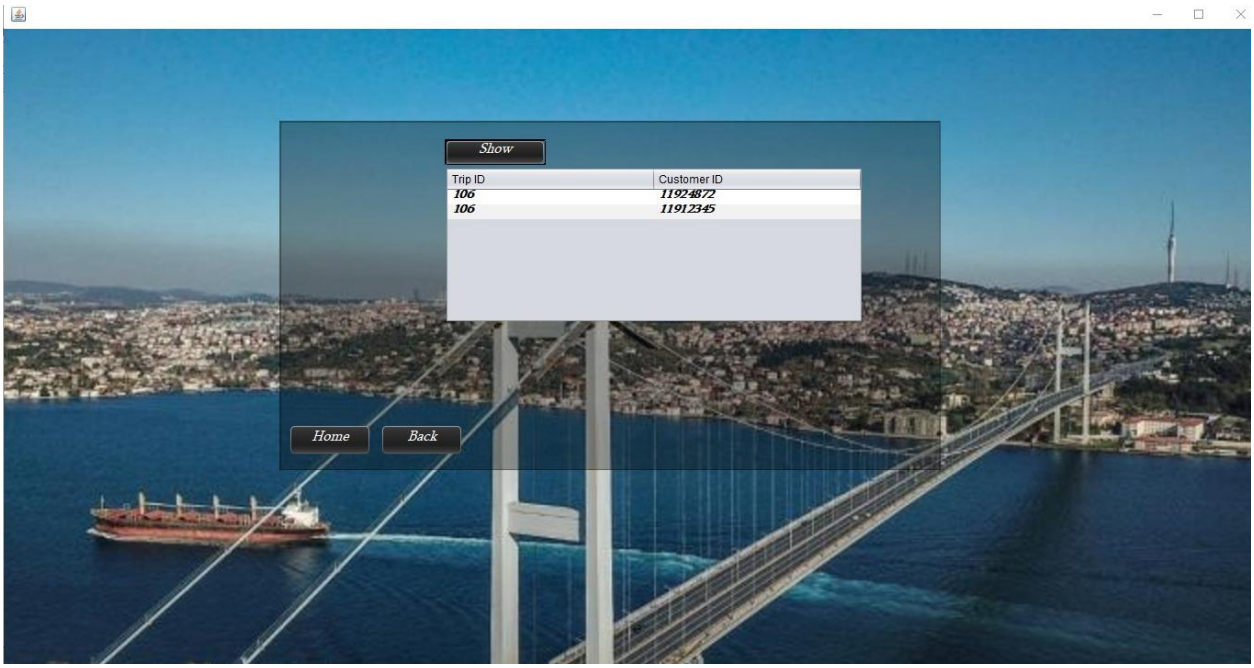
The id=11928872 for Name:sama,Email:samafaddah@gmail.com,phone:0598667006



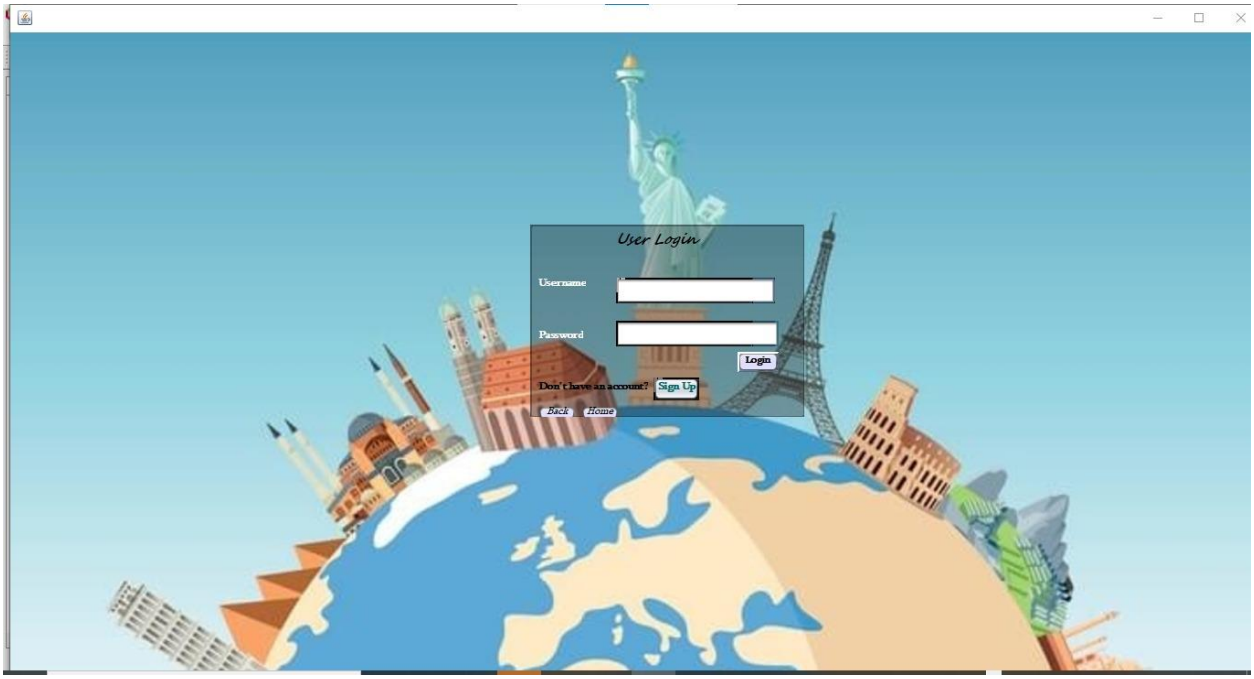
Click (show trips)



Click (show)



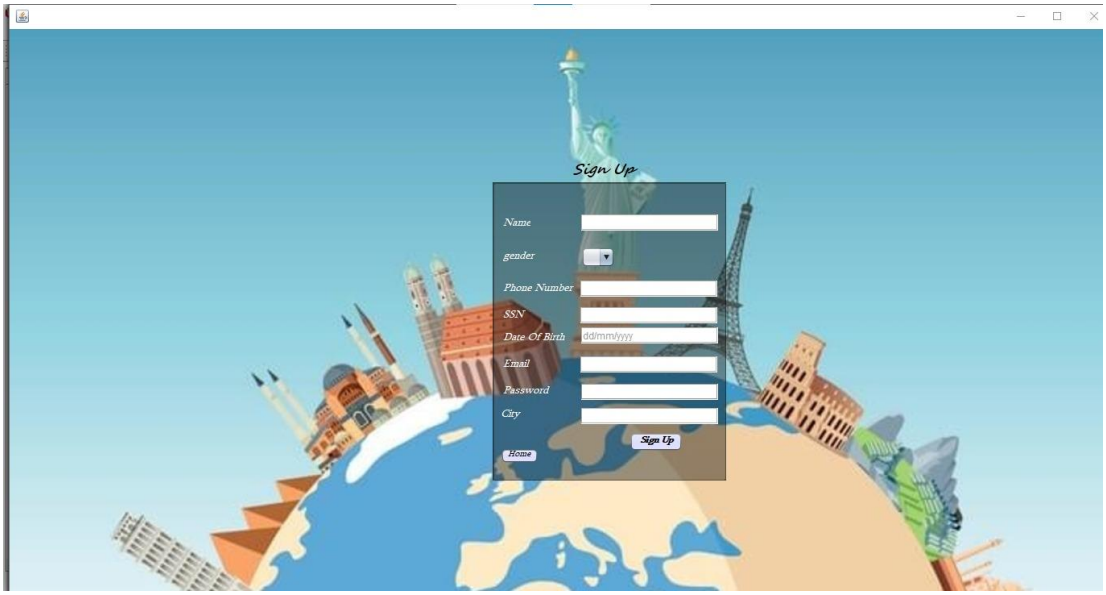
But if you click user:



If you have an account enter your username and pass then (login)

But if you dint have click (sign up) to create ana account then back to sign in .

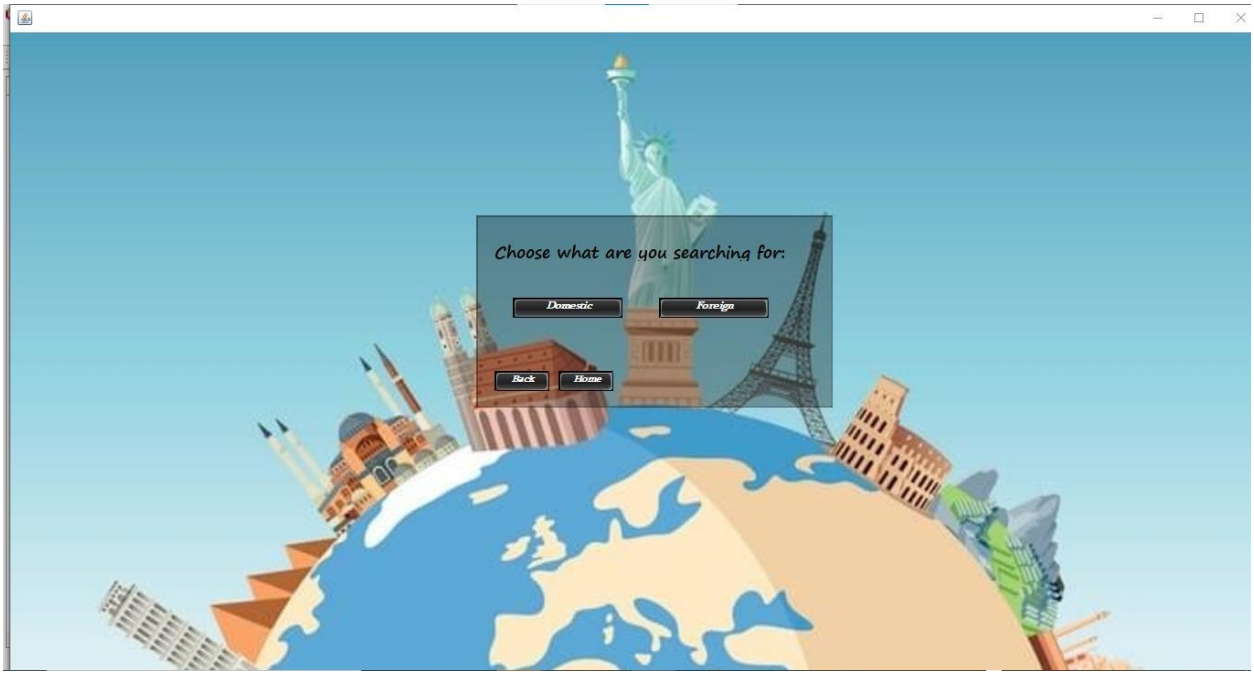
When click sign up:



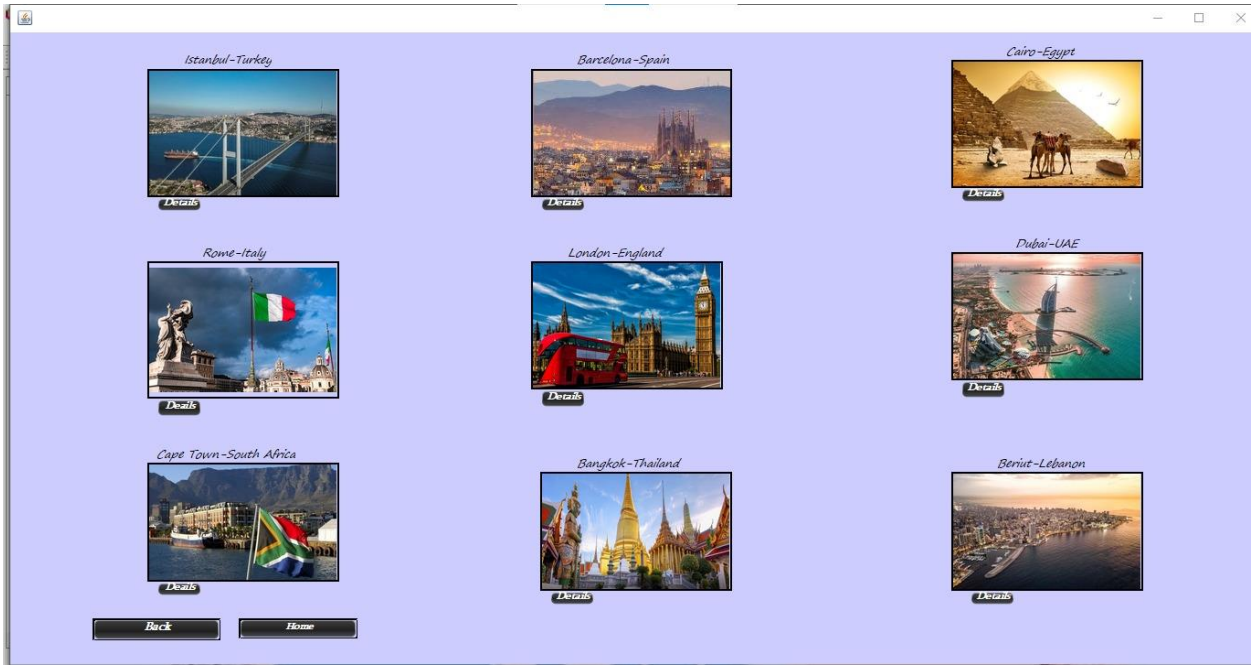
When you enter correct username and pass

Click (login) to show the trip

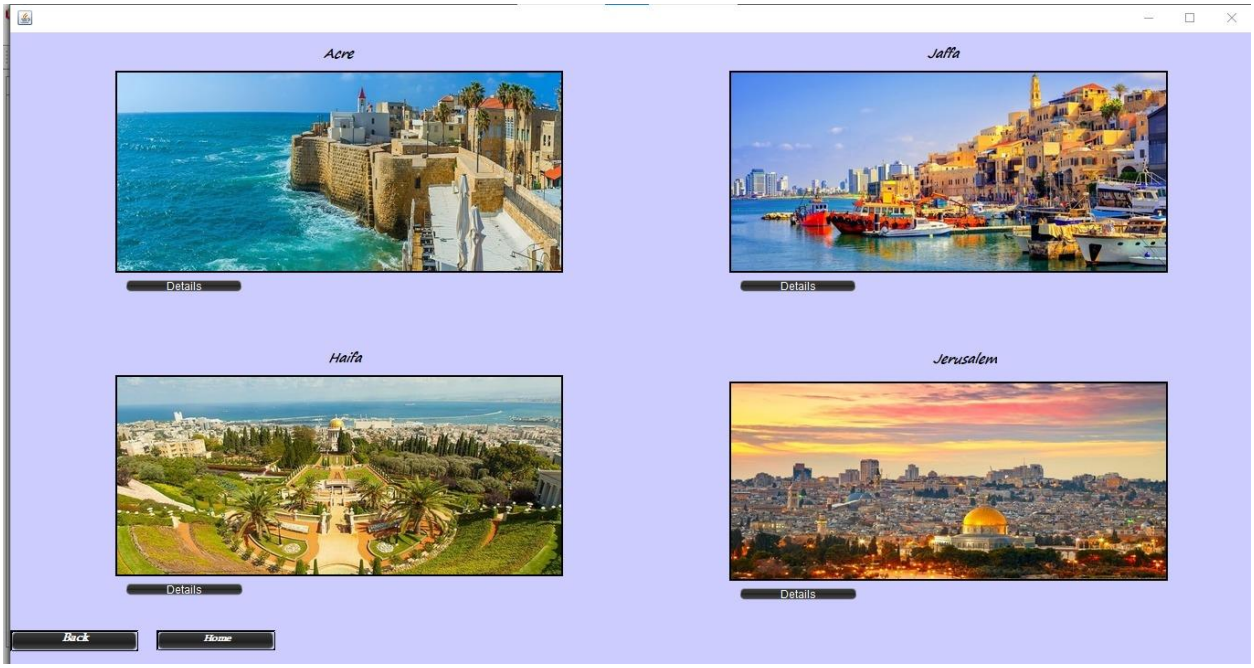
When you click (login)



If you click(Foreign)



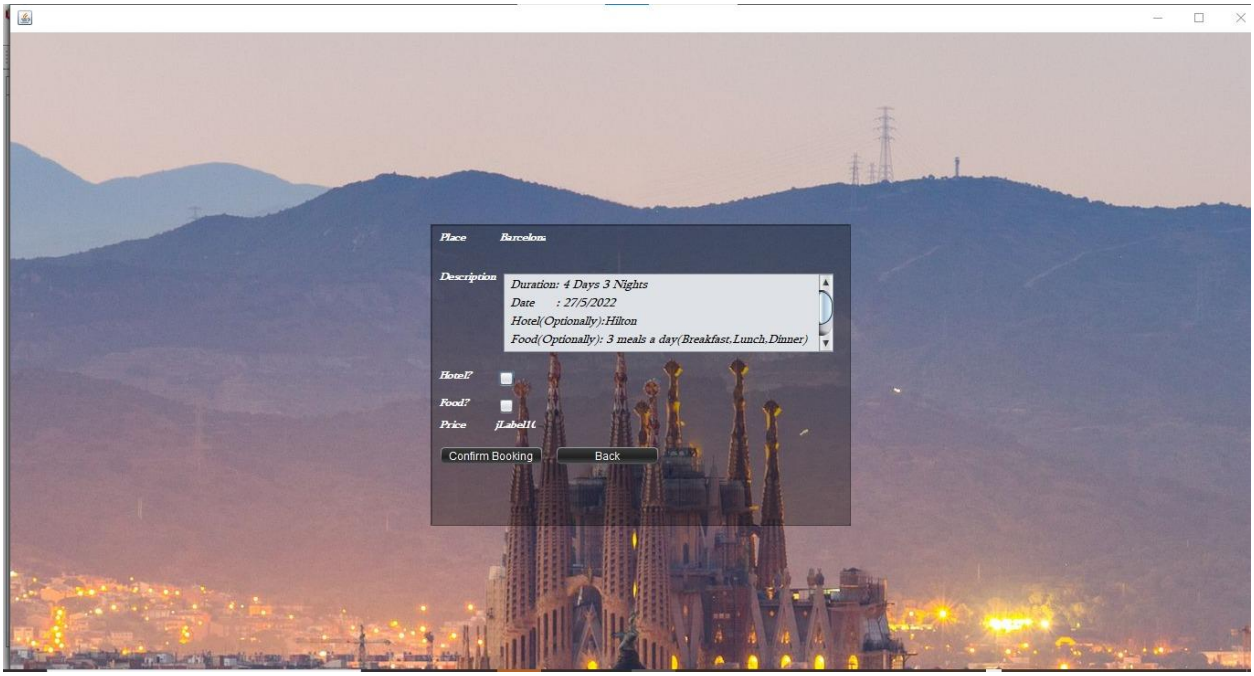
Click (Domestic):



Surely you want to know information about the available flight for travel, please click on the details to see

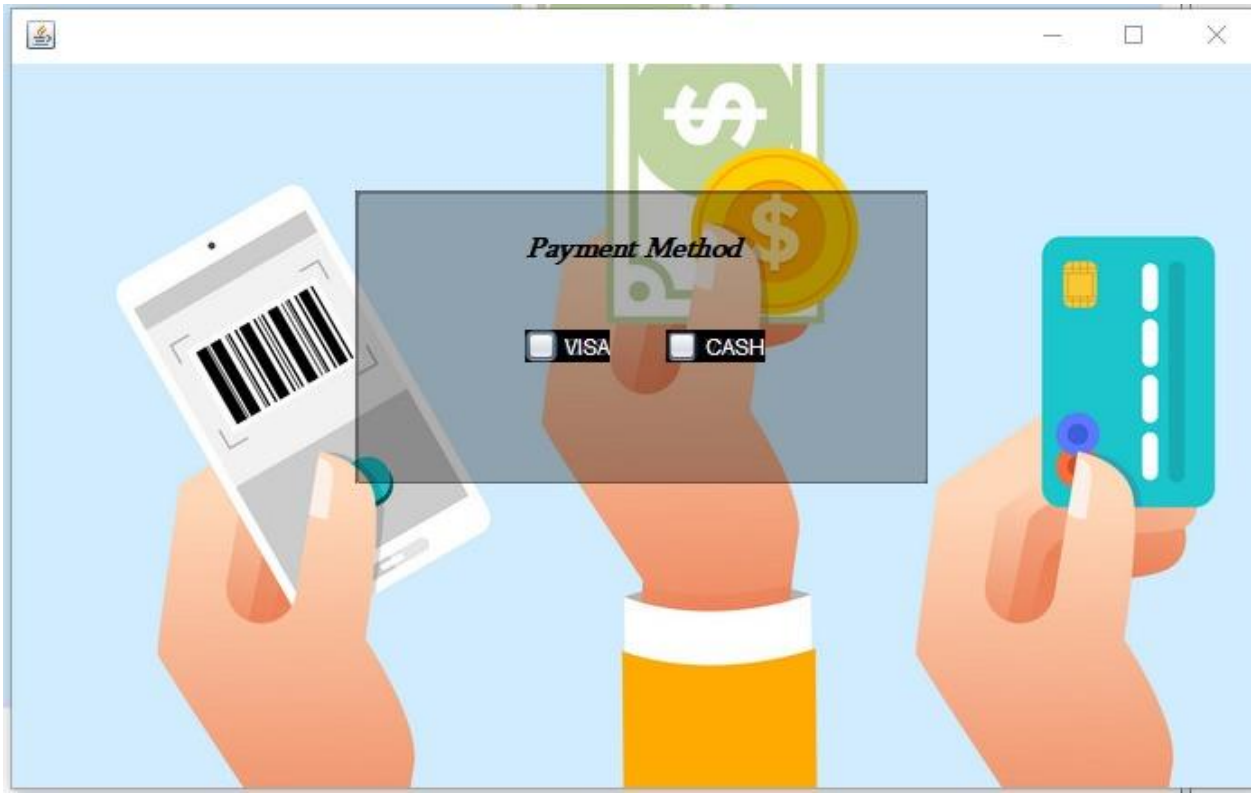
Example:

If I want to travel to Barcelona, I will click on the details of the Barcelona interface ,then:



Now I will choose if I want the food or the hotel or both or without them ,and every time I can calculate the price.

If you want to confirm your reservation, click(confirm Booking)

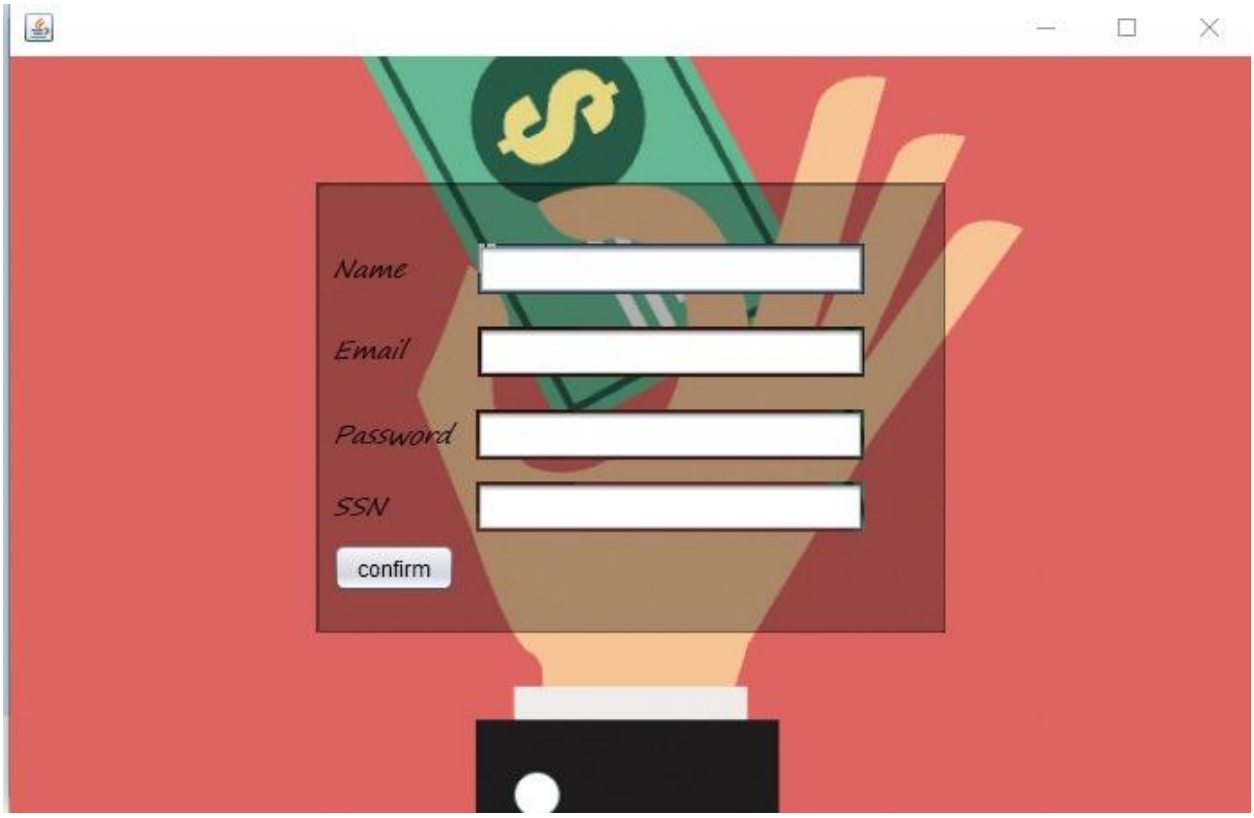


You must choose a payment method

f you choose to pay cash, you must pay within two days

If you choose to pay with a visa, you must enter your personal information about the visa.

If you click cash:



If you click visa:

Conclusion

We were hoping that the work we did would be better than that, but for many reasons we could not, we will develop it later because this idea is very beautiful and practical and required in the market.

References

----Lecture

----YouTube

----Google