

Airline

Reservation System

RESERVE TICKETS

WELCOME MESSAGE

WE PROVIDE BEST

“

Greetings!

Our heartiest Thanks to you for selecting our services, we welcome you by bottom of our hearts we provide easy way to book your flight tickets online and enjoy a safe journey in our comfortable & friendly Enjoyment.

- **Kulvinder Singh**

275-BSCS-2019 (E1)

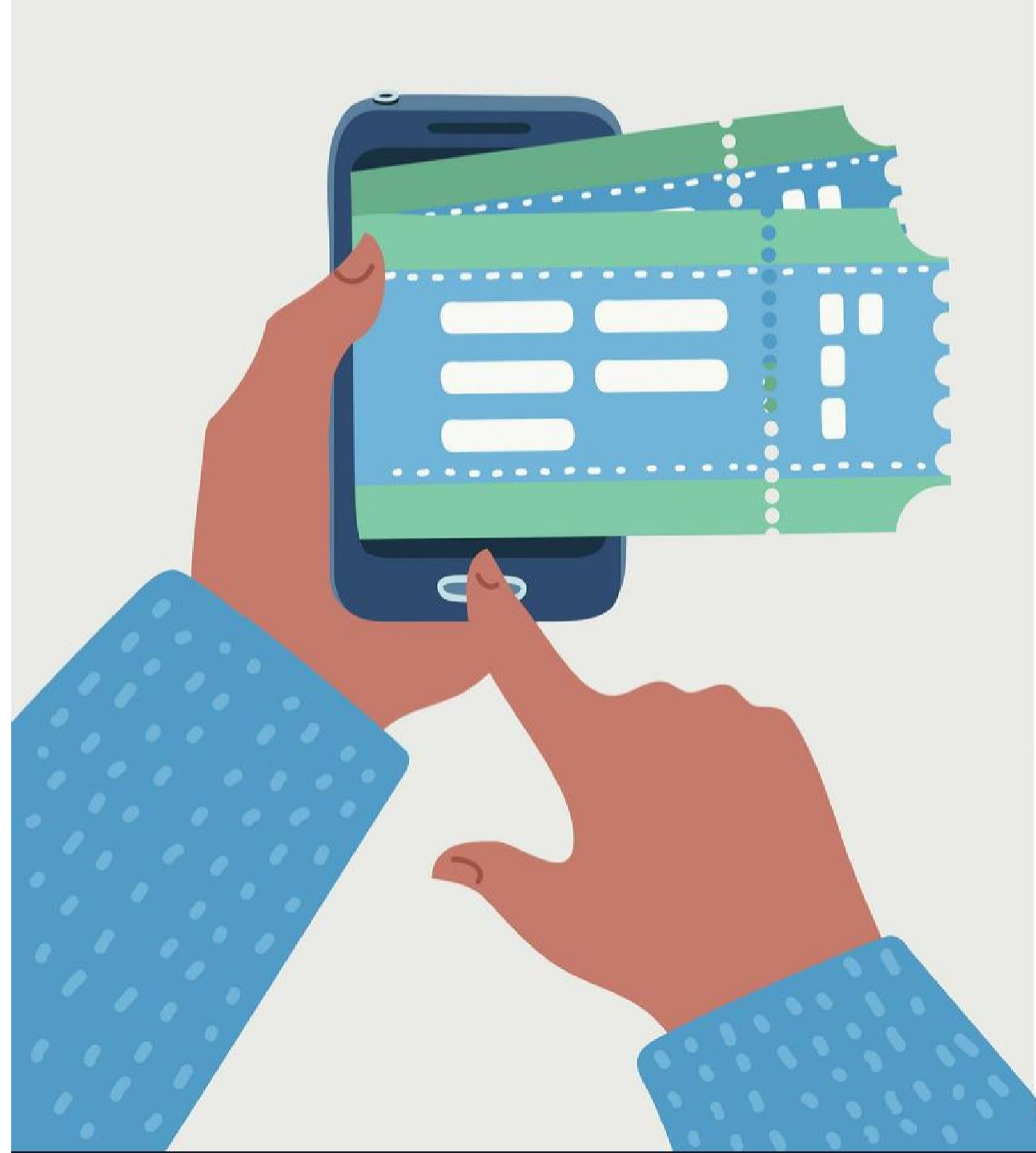
kalvinsingh777@gmail.com



Problem

There is a new airline ticketing company that wants a new system that manages their tickets reservation system so a passenger (user) can reserve tickets of any airline company and an Admin can visit through Passenger data and schedule flight timing. System should manage:

- ✓ Flights
- ✓ Passengers
- ✓ Tickets
- ✓ Timing
- ✓ Administrator etc.



Solutions

Write main solutions you are providing



See flights schedules

Print flightschedule



Book Ticket

Passengers can resave ticket



Check Available Flights and Their Timing

Print available flights and their remaining time



Book Economy & Business Class Seats

Book Economy and Business class



Inquiry of ticket

Admin will check the ticket validity in system



Login

Admin can login



View Passengers List

Admin can view the passengers list



Cancel Ticket

Admin can Cancel the ticket



Schedule Flights

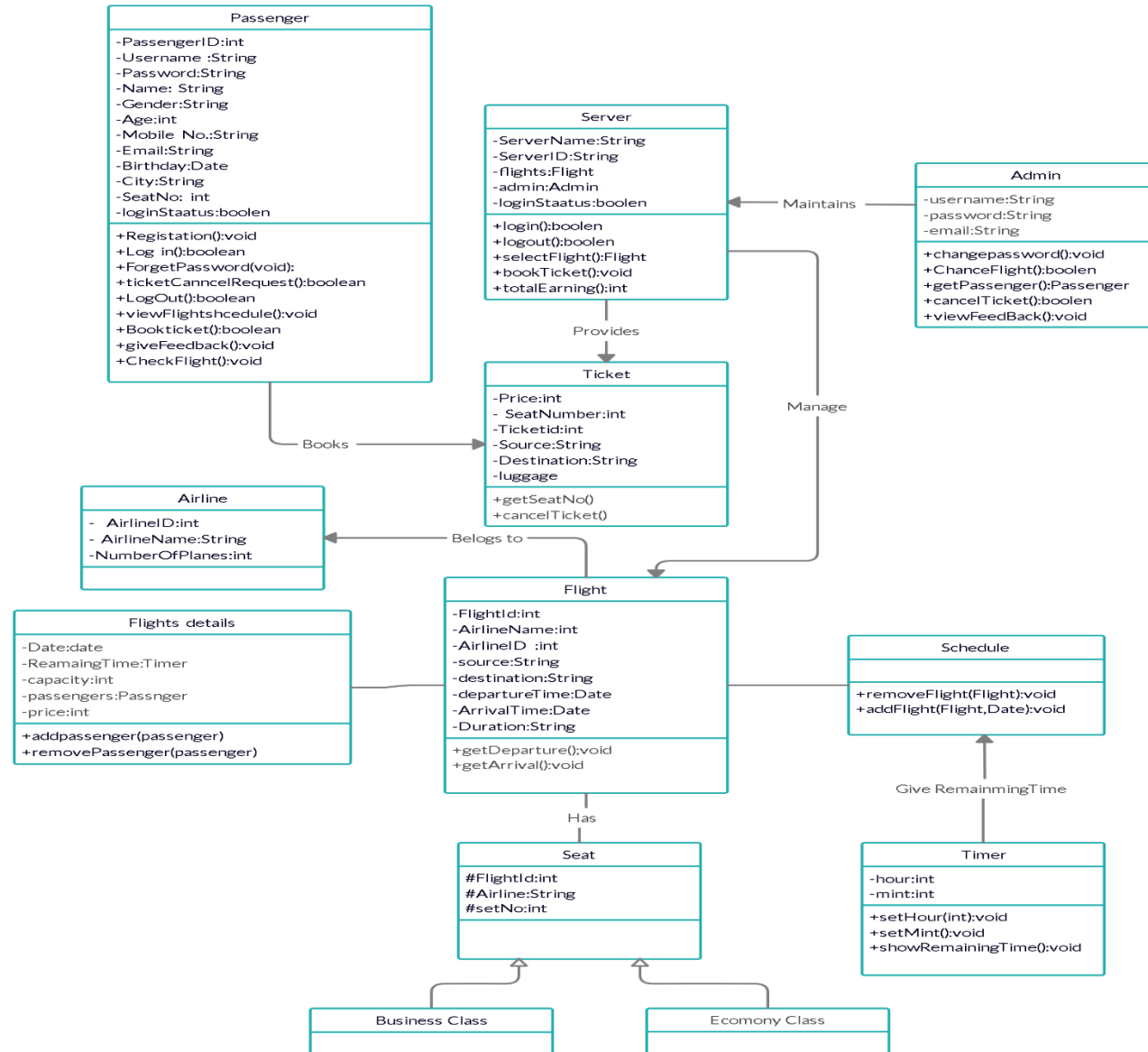
Admin can Schedule the Flight

Solutions

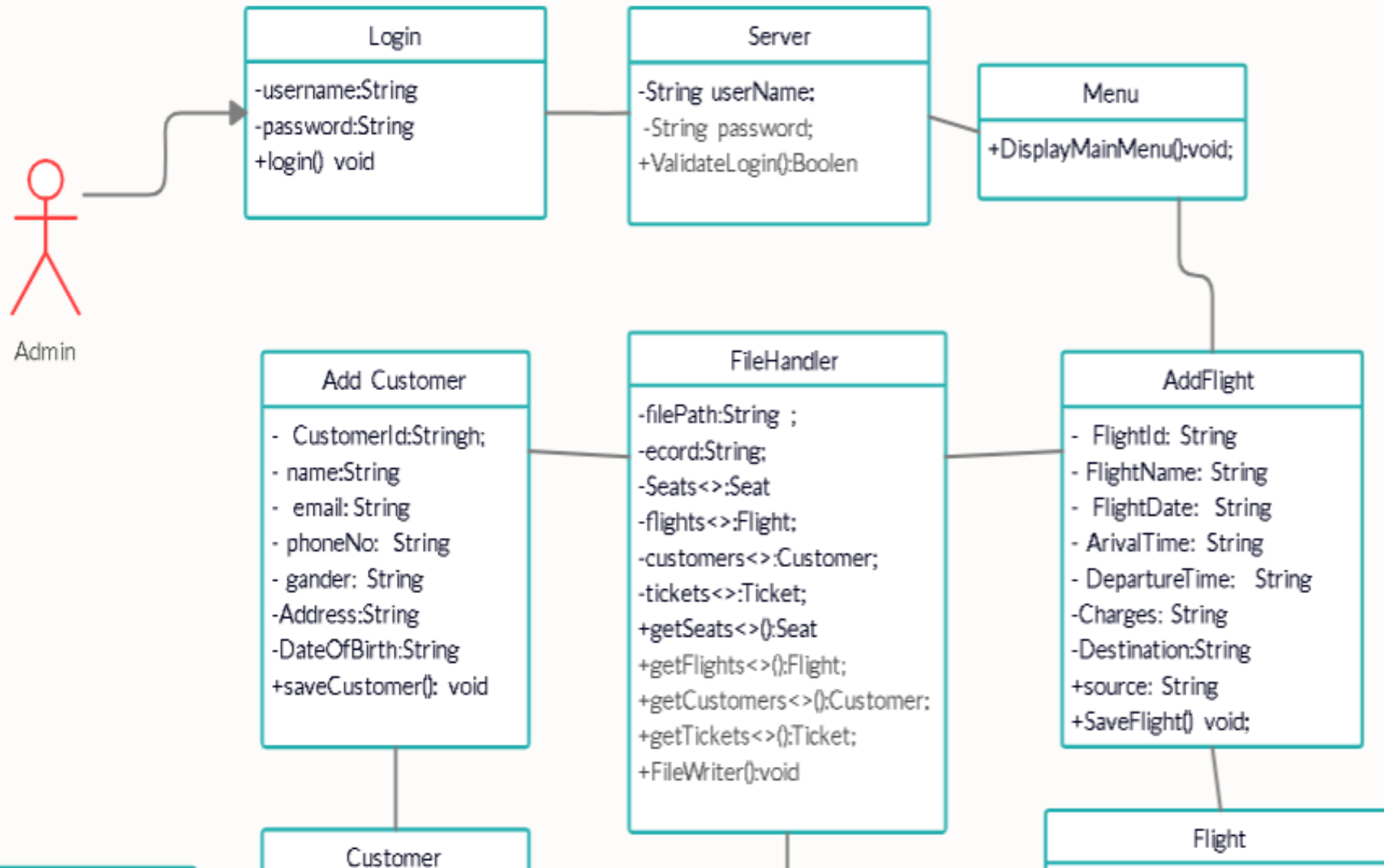
Write main solutions you are providing

- ✓ **Get Flight Details**
User can get Flights details
- ✓ **Search Customer**
Admin can search the customer
- ✓ **Add Customer**
User can add customer in system
- ✓ **Search the flights by source and destination**
View the flights between a source and destination
- ✓ **Log out**
User can log out from the system
- ✓ **View Feedback**
View Feedback from passengers

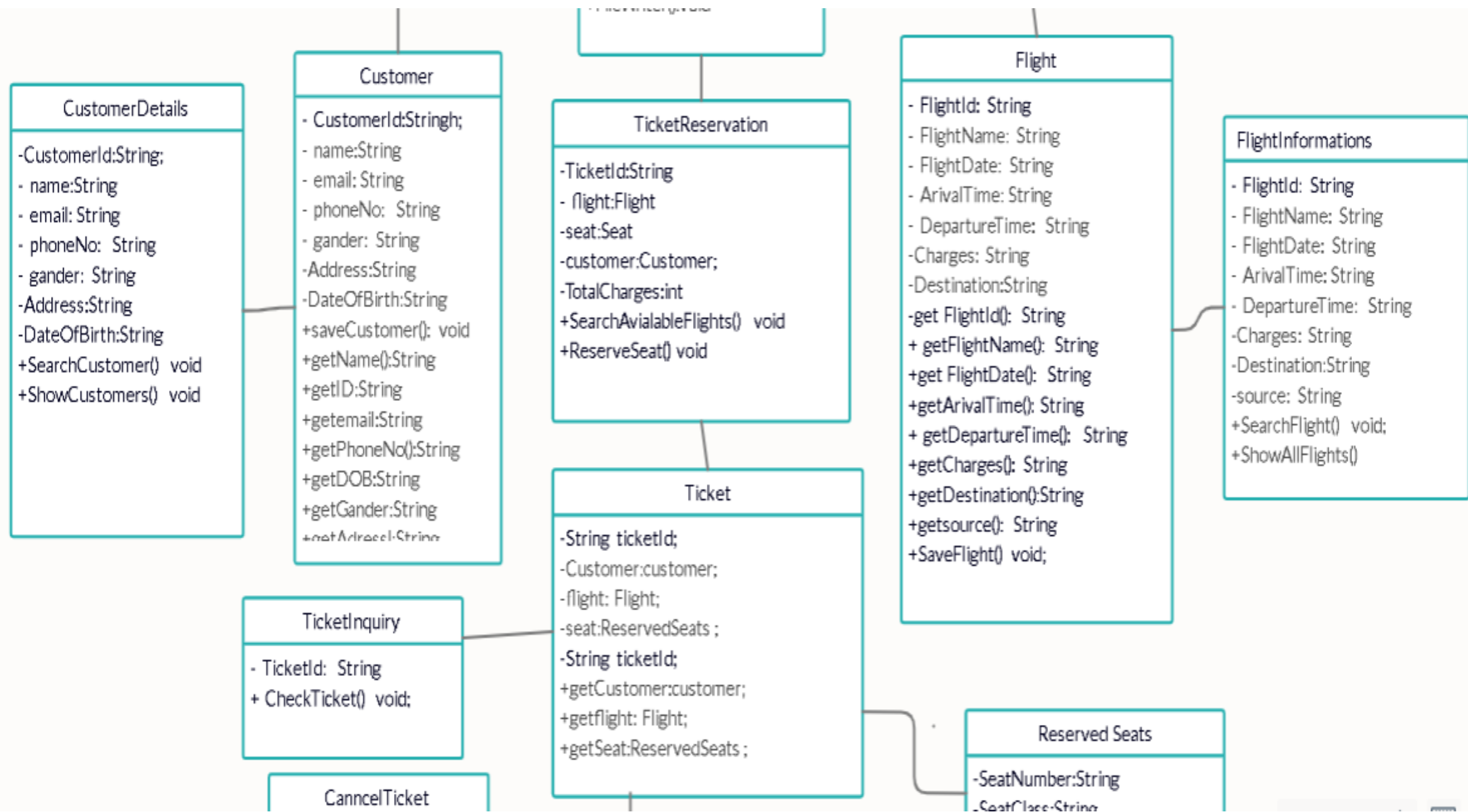
Class Diagram Proposed Project



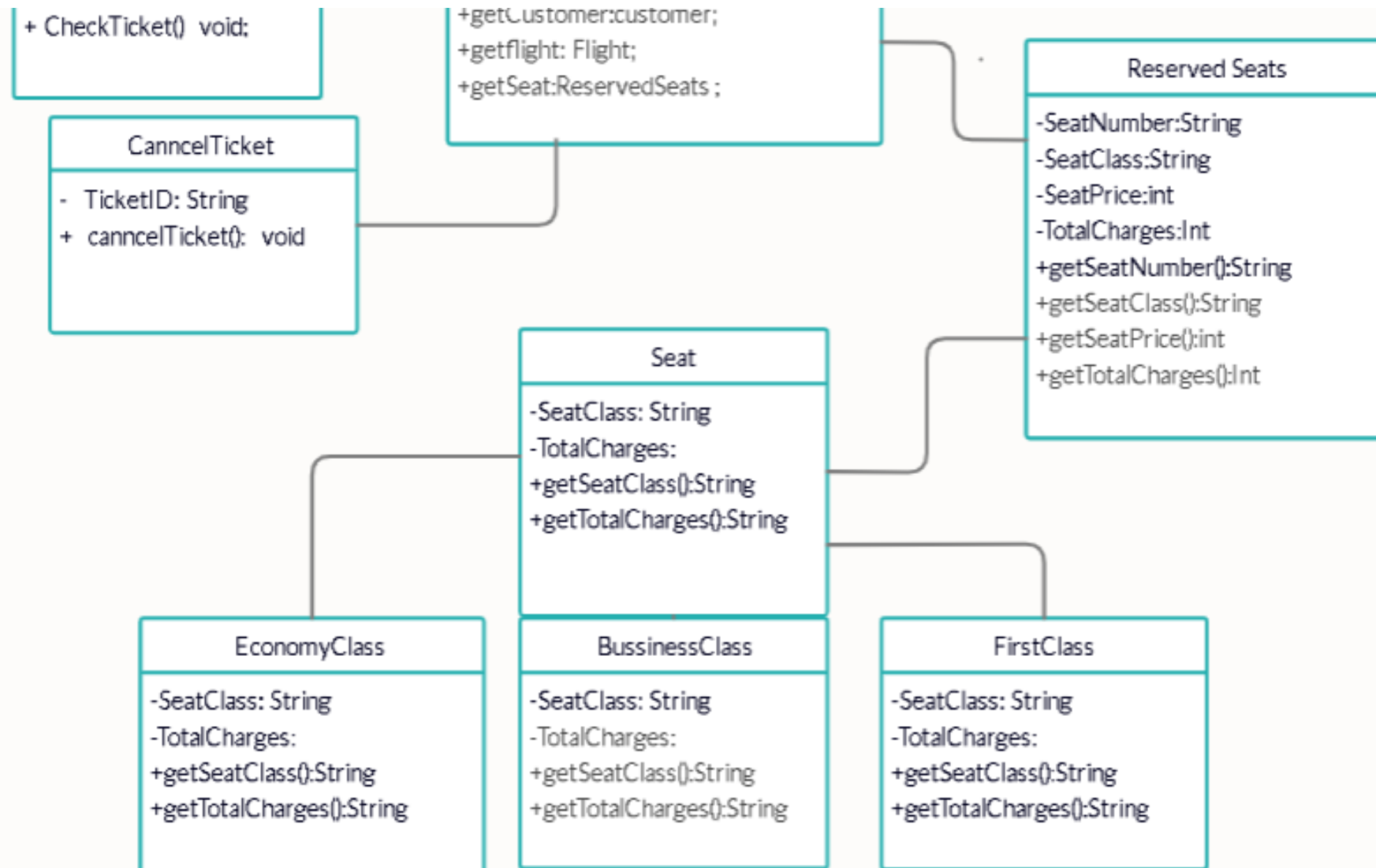
Class Diagram Submitted Project



Class Diagram Submitted Project



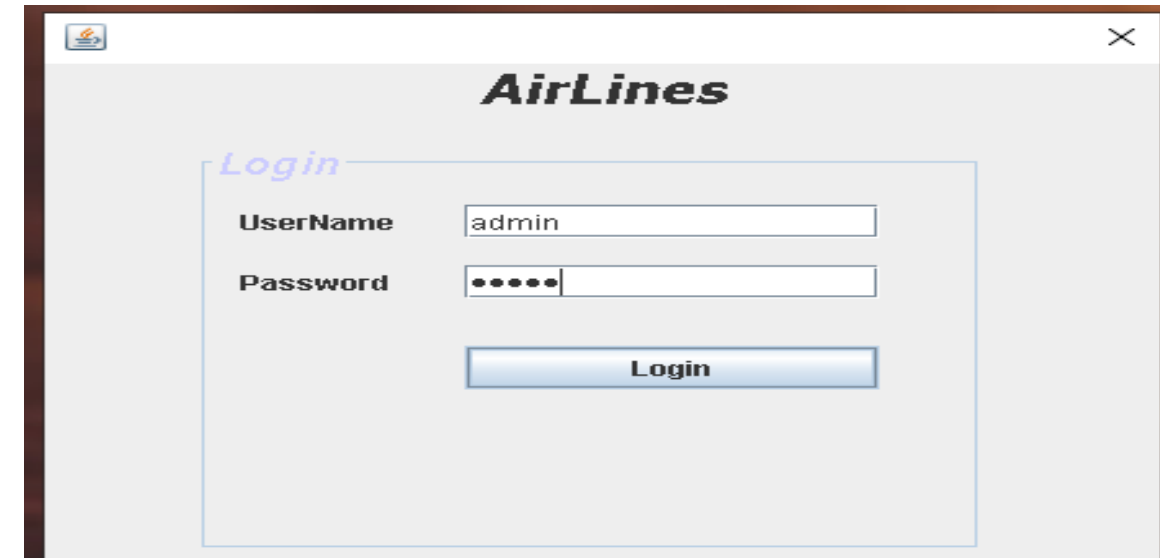
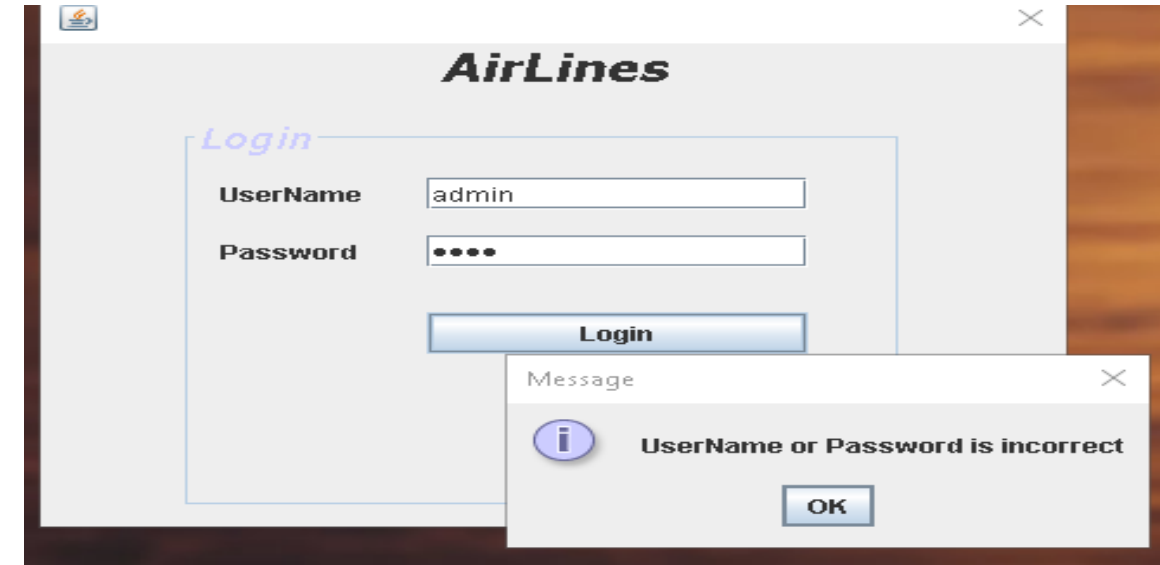
Class Diagram Submitted Project



Login

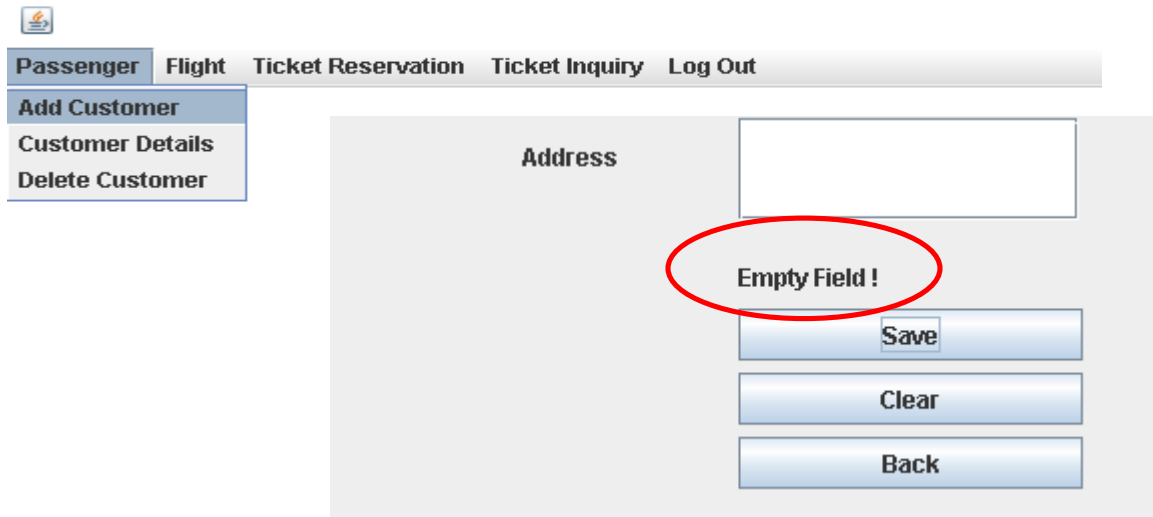
- ✓ When the User Run the Program 1st System Will open a Login Dialog which will ask for the Username and Password Of the System.
- ✓ If the username and Password Matched with the database then system will open other Wise system will show a Pop-up of "wrong email Or Password". (As Shown in Screen Shots).

ScreenShots



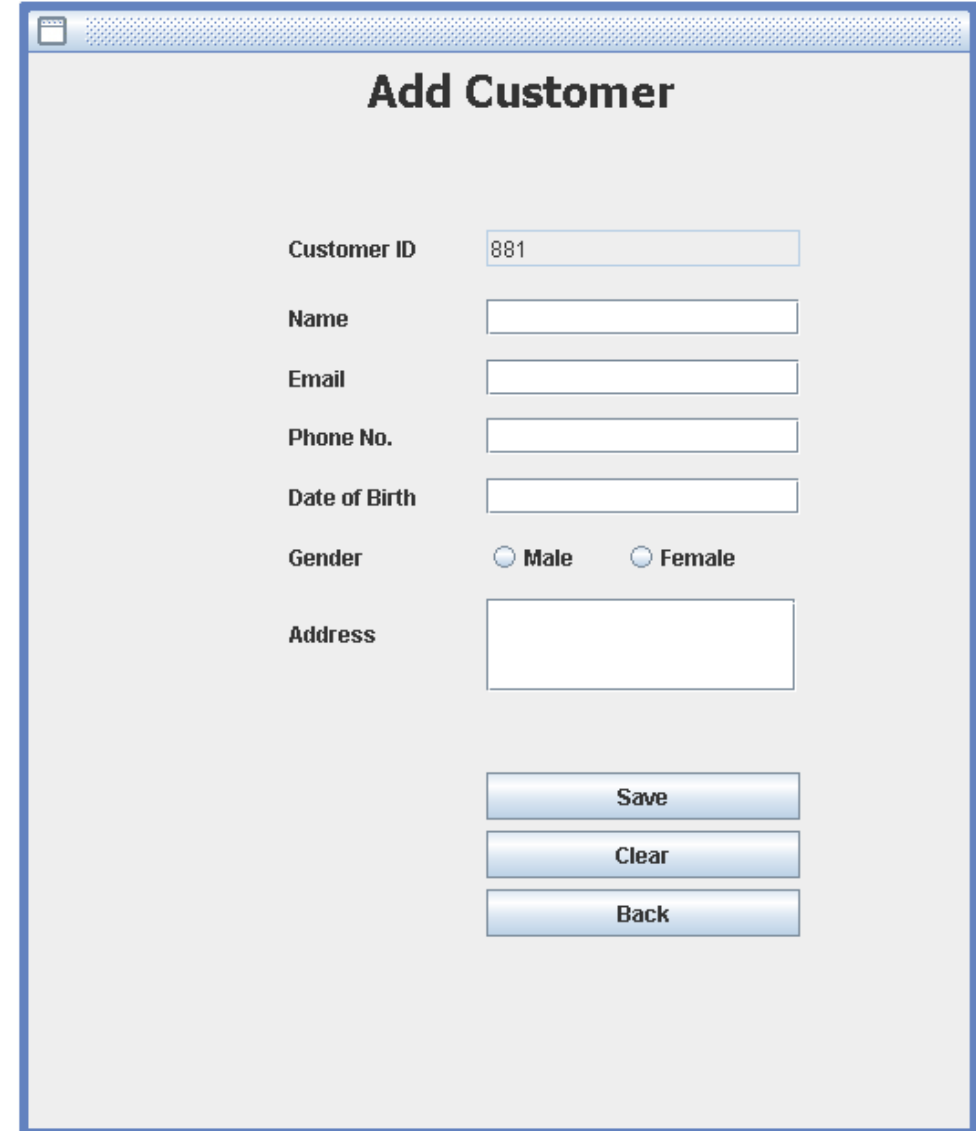
Add Customer

- ✓ After login the Menu Window will open. In drop Down There is a option to add Customer. Which will show the same window shown in Screenshot Image.
- ✓ Customer Id is auto Generated.
- ✓ We can't save customer with incomplete information other wise system will show a message of "Empty Fields" If the field
- ✓ User can also clear fields and go back.



The screenshot shows a web application interface with a top navigation bar containing 'Passenger', 'Flight', 'Ticket Reservation', 'Ticket Inquiry', and 'Log Out'. A dropdown menu is open under 'Passenger', showing 'Add Customer', 'Customer Details', and 'Delete Customer'. The main content area is titled 'Add Customer' and contains a form with the following fields: 'Customer ID' (pre-filled with '881'), 'Name', 'Email', 'Phone No.', 'Date of Birth', 'Gender' (with radio buttons for 'Male' and 'Female'), and 'Address'. Below the 'Address' field, there is a red circle around the text 'Empty Field!', indicating an error. At the bottom of the form, there are three buttons: 'Save', 'Clear', and 'Back'.

Screenshots



The screenshot shows a web application interface with a top navigation bar containing 'Passenger', 'Flight', 'Ticket Reservation', 'Ticket Inquiry', and 'Log Out'. A dropdown menu is open under 'Passenger', showing 'Add Customer', 'Customer Details', and 'Delete Customer'. The main content area is titled 'Add Customer' and contains a form with the following fields: 'Customer ID' (pre-filled with '881'), 'Name', 'Email', 'Phone No.', 'Date of Birth', 'Gender' (with radio buttons for 'Male' and 'Female'), and 'Address'. Below the form, there are three buttons: 'Save', 'Clear', and 'Back'.

Search Customers By Id

- ✓ With Clicking on the "customer Details" menu
- The given window will open in which user can search customer by customer id.
- ✓ If the customer not found with given id then system will show pop-Up "customer Not Found"
- ✓ User can also go back.

Passenger

Flight

Ticket Reservation

Ticket Inquiry

Log Out

Add Customer

Customer Details

Delete Customer

Search by ID

3

ID

Name

Email

Phone No.

Gender

Male

Female

Date of Birth

Address

Message

Customer is Not Found !

OK

Screenshots

Search by ID

881

Name

Aliza

Email

aliza@gmail.com

Phone No.

032173678

Gender

Male

Female

Date of Birth

2021-08-12

Address

Islamabad

Serch

Back

Print the list of all the Customers

Screenshots

- ✓ In Customer Details Window User can See the list of all customer in a table by clicking the "List of All Customers Button"

ID	Name	Email	Phone No.	Gender	Date of Birth	Address
880	Ahmed	ahmed@gmail.com	03128483758	Male	2020-06-17	Karachi
881	Aliza	aliza@gmail.com	032173678	Female	2021-08-12	Islamabad
879	Ali Ahmed	ali@gmail.com	032997882	Male	0016-04-05	Lahore

[Passenger](#)
[Flight](#)
[Ticket Reservation](#)
[Ticket Inquiry](#)
[Log Out](#)

Add Customer

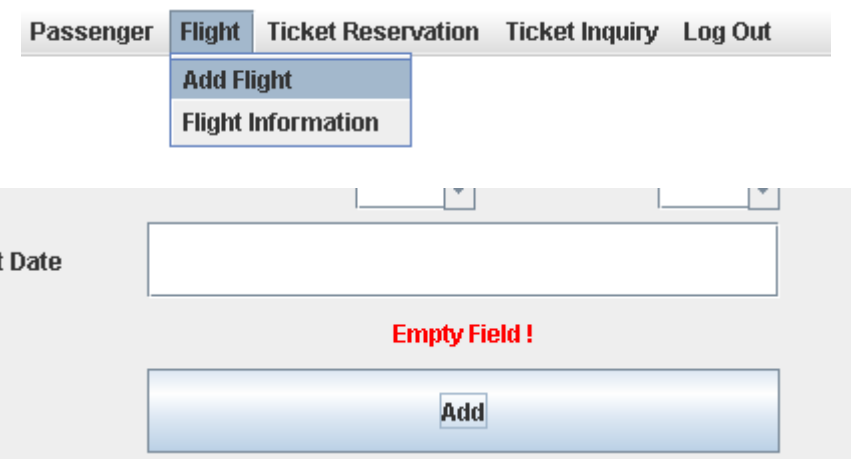
Customer Details

Delete Customer

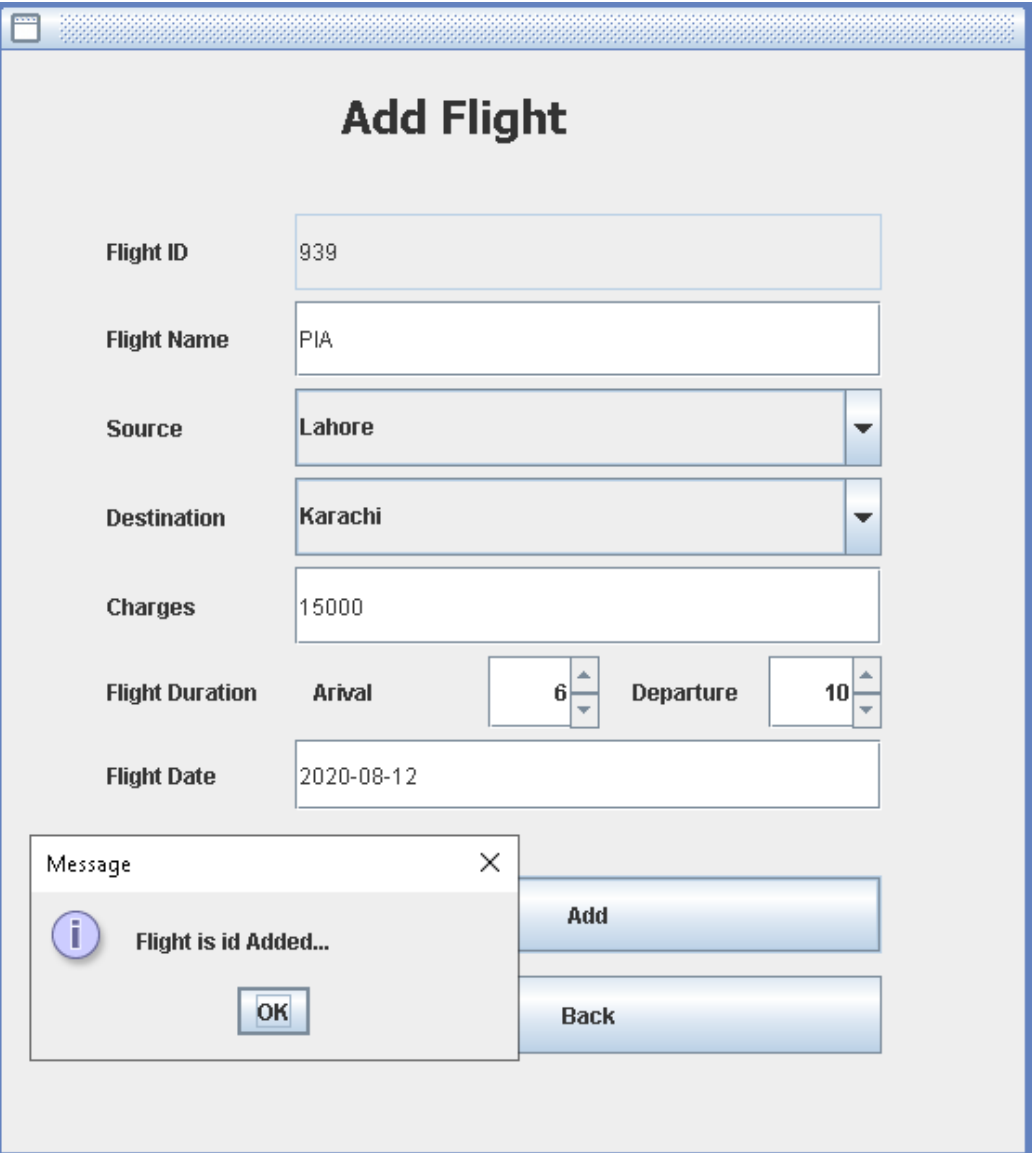
List Of Customers

Add Flight

- ✓ The sub option of flight There is an option to add the Flight.after clicking it the given window will show.
- ✓ And in this window user is able to add a flight.
- ✓ With empty fields user can't add a flight system will show "empty field" red message.



Screenshots



Search Flight by flight id

Screenshots

- ✓ By Clicking the next option of Flight(Flights information's) the given window will open and user will be able to search the flight by id.
- ✓ If the flight not found with given id the system will give the message "Flight Not Found".



Flight Id	<input type="text" value="938"/>		
Flight Name	<input type="text" value="South West"/>		
Source	<input type="text" value="Islamabad"/>	Destination	<input type="text" value="Karachi"/>
Departure	<input type="text" value="05"/>	Arival	<input type="text" value="06"/>
Flight Charges	<input type="text" value="20000"/>	Flight Date	<input type="text" value="2021-02-25"/>
<input type="button" value="Search"/>			
<input type="button" value="Back"/>			

Flight Id	<input type="text" value="4"/>	Message ✕	
Flight Name	<input type="text"/>	<div>i Flight is Not Found ! <input type="button" value="OK"/></div>	
Source	<input type="text"/>		
Departure	<input type="text"/>		
		Arival	<input type="text"/>

All Available Flights

- ✓ In the Flight information option user can view all the available Flights. their date timing etc.

Screenshots

Flight ID	Flight Name	Source	Destination	Charges	Atival Time	Departuere Ti...	Flight Date
937	PIA	Islamabad	Peshawer	20000	05	08	2020-02-16
938	South West	Islamabad	Karachi	20000	06	05	2021-02-25
939	PIA	Lahore	Karachi	15000	06	10	2020-08-12

[View Available Flights](#)

[Passenger](#)
[Flight](#)
[Ticket Reservation](#)
[Ticket Inquiry](#)
[Log Out](#)

Add Flight

Flight Information

Search Flight by source and destination:

✓ In the 3rd (Ticket Reservation) menu use will see a book ticket sub option. Here user can search flight by source and destination.

Passenger

Flight

Ticket Reservation

Book Ticket

Chancel Ticket

Ticket Inquiry

Log Out

Screenshots

Source

Destination

Lahore

Karachi

Search Flight

Flight Id	Name	Source	Destinatiom	Charges	Arival	Departure	Date
939	PIA	Lahore	Karachi	15000	06	10	2020-08-12

Book

Back

Total Amount

Ticket Reservation

- ✓ In this full window user can book the ticket by searching flight.
- ✓ User can only book the ticket if he or she fill all the fields. By entering customer id and clicking the flight in table the field will automatically filled.
- ✓ Then user can select the seat no and the class of Seat. Note that with different class of seat the total chargers will change
- ✓ If user not import all the date the system will show a "Empty fields Pop-up".
- ✓ The ticket number will auto generate.

Screenshots

Ticket Reservation

Source: Destination:

Search Flight

Flight Id	Name	Source	Destination	Charges	Arival	Departure	Date
939	PIA	Lahore	Karachi	15000	06	10	2020-08-12

Total Amount:

Ticket No.:

Customer ID:

Customer name:

Email:

Phone No.:

Gender: ☐ Male ☒ Female

Date of Birth:

Address:

Flight ID:

Destination:

Flight Charges:

Date:

Class:

Seats:

Passenger Flight Ticket Reservation Ticket Inquiry Log Out

Add Flight

Flight Information

Phone No.

Gender

Date of Birth

Address

Flight ID

Message

Fill the fields...

OK

Ticket Inquiry

- ✓ From menu by open Ticket Inquiry sub menu same window will open and ask the user to enter the ticket id to verify it.
- ✓ if the ticket id match with any ticket id in database then system will print all the data related to that ticket. Other wise system will show a pop-up dialog "Ticket is Invalid".

The screenshot shows a web form titled "Ticket Inquiry". It has input fields for Ticket ID, Address, Customer ID, Name, Email, Gender, Date of Birth, Date of Flight, Phone Number, and Seat Class. A pop-up message box is displayed over the form, containing an information icon, the text "Ticket Is Invalide !", and an "OK" button. The Ticket ID field contains the value "4".

Screenshots

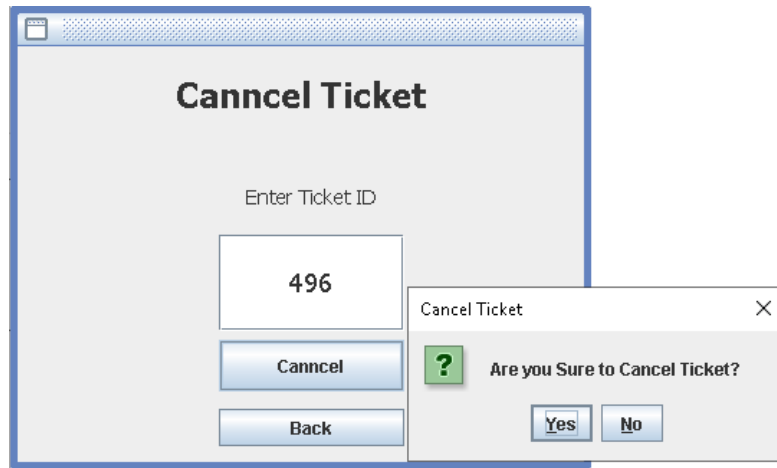
The screenshot shows a web form titled "Ticket Inquiry" with the following details filled in:

Field	Value	Field	Value
Ticket ID	496	Address	Islamabad
Customer ID	881	Flight ID	939
Name	Aliza	Destination	Karachi
Email	aliza@gmail.com	Seat No.	1
Gender	Female	Seat Class	Business Class
Date Of Birth	2021-08-12	Date of Flight	2020-08-12
Phone Number	032173678		

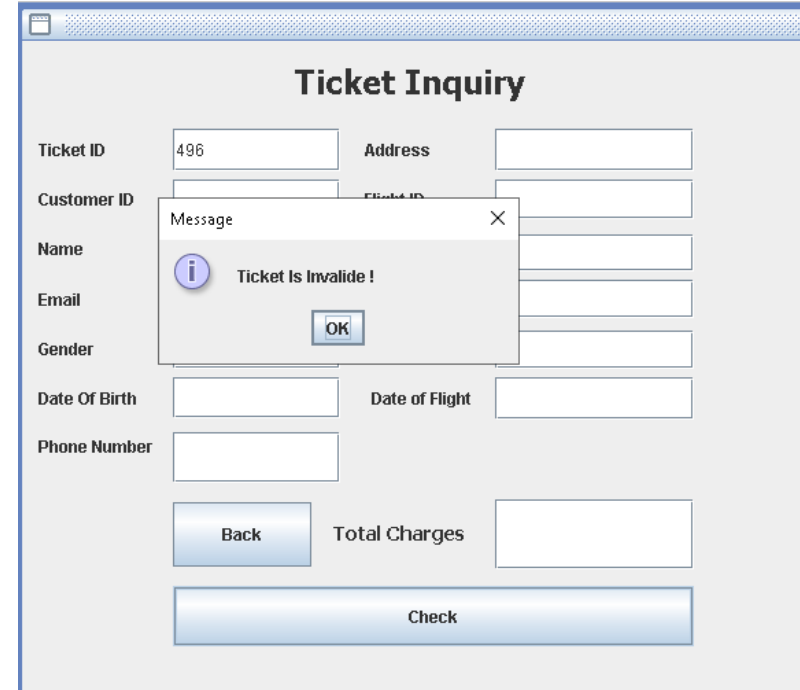
Below the form, there is a "Back" button, a "Total Charges" field with the value "16050", and a large "Check" button.

Cancel Ticket

- ✓ In sub menu of Ticket reservation there is a option to cancel the ticket after opening this option system will show a dialog window and ask for ticket Id to cancel the ticket.
- ✓ After clicking the cancel button system will ask to for conformation through dialog pop-up "yes no".
- ✓ After that ticket will be canceled and when we check same ticket again in ticket inquiry then it will shoe "Ticket is invalid" (shown in images)



Screenshots



THANK YOU

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Section : E1