

j. Printouts

Password encrypted

Team 2: Overnight Developers Squad

Project: AirlineReservationSystem

Leader: Julio Cesar Blacio Machuca

GitHub: <https://github.com/SrJCBM/ESPE-OOP14539-ODS>

MongoDB:

`mongodb+srv://overnightdevelopersquad:lq9R4i2czmCFcGBk@airlinedb.wbmwsfn.mongodb.net/`

Inspector: Team 1, A Byte Wizards, Inspector Leader: Alfonso Arroyo (-3)

5. BLACIO MACHUCA JULIO CESAR

6. CAIZA OÑA MIGUEL ANGEL

7. CHIRIBOGA CABRERA KERLLY ALEXANDRA

8. GÓMEZ QUINALUISA JOFFRE ESTEBAN

Rubric:

19. Letter and customer review and video	20/30
20. GitHub collaboration	/30
21. Requirements versus Design	9/10

-0.5 it miss the option or the method that send the ticket to user email

-0.5 it miss the option of contemplate the offers that may appear during certain season

22. Design versus GUI (working project) 8/10

-0.5 because on the mongoDB it missing a class that they have on the model package

-1.5 it miss 3 classes of the class diagram on model package to have 9 classes.

23. MongoDB 9/10

24. Clean Code 9.5/10

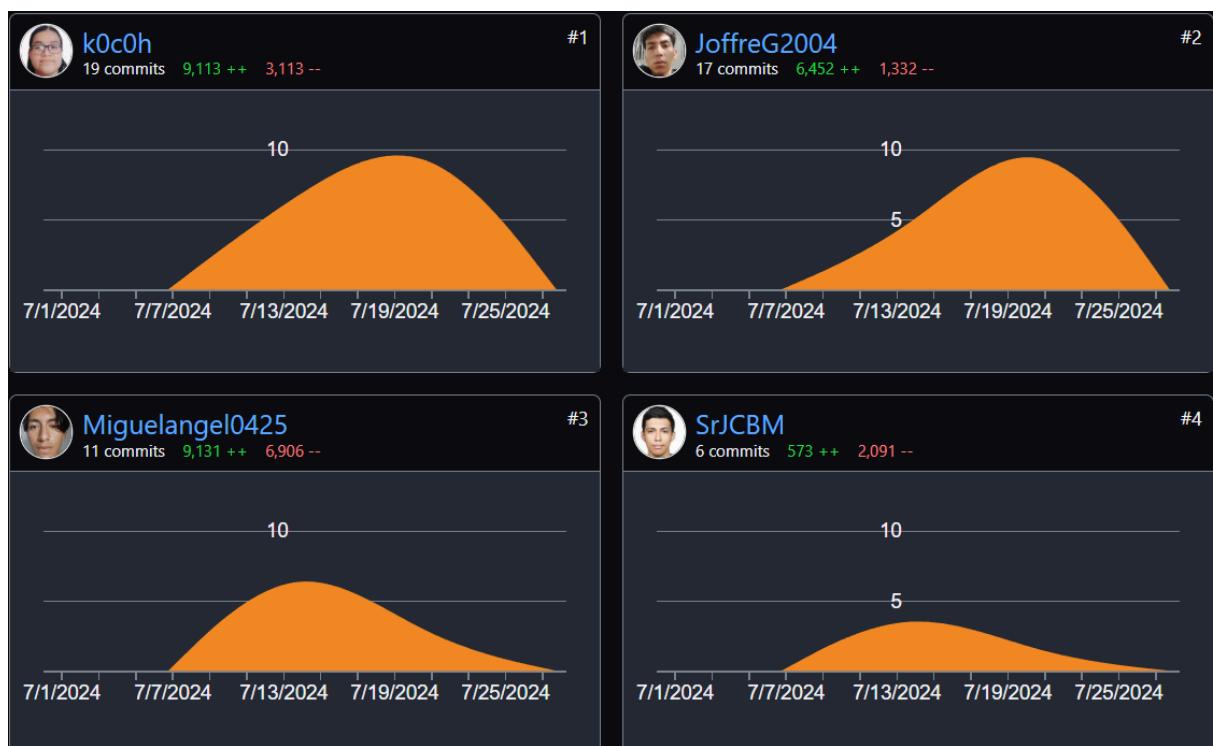
25. Defense 49/50

26. Execution/Functionality/validation&Verification 50/50

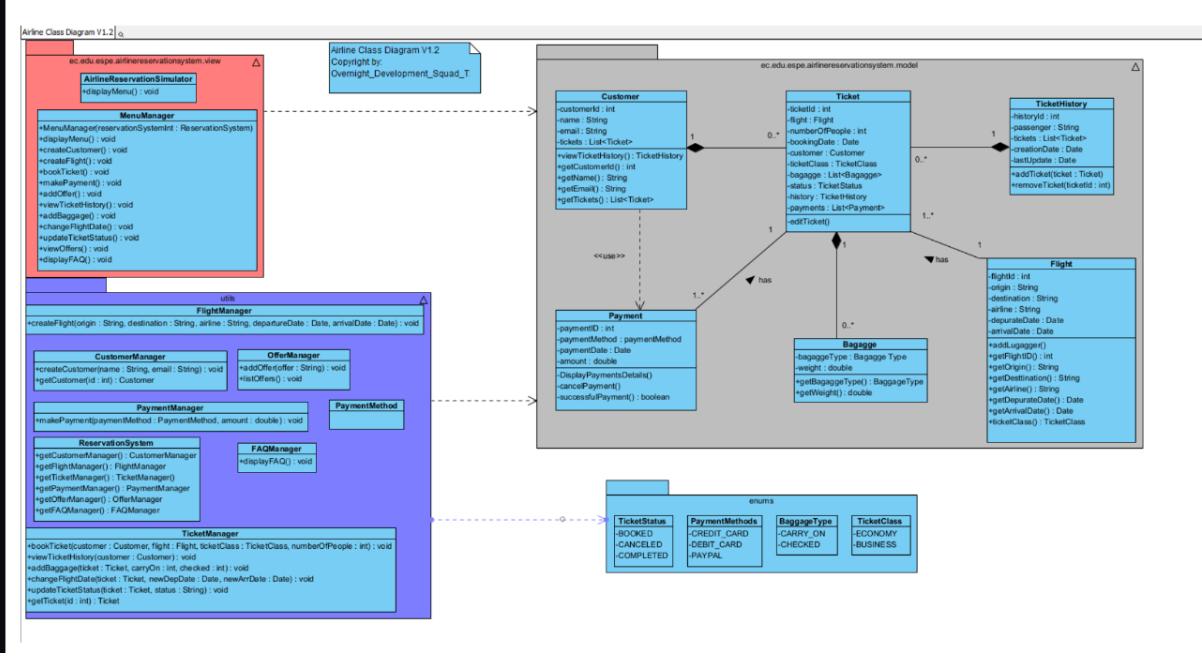
Evidence

14) Letter and customer review and video

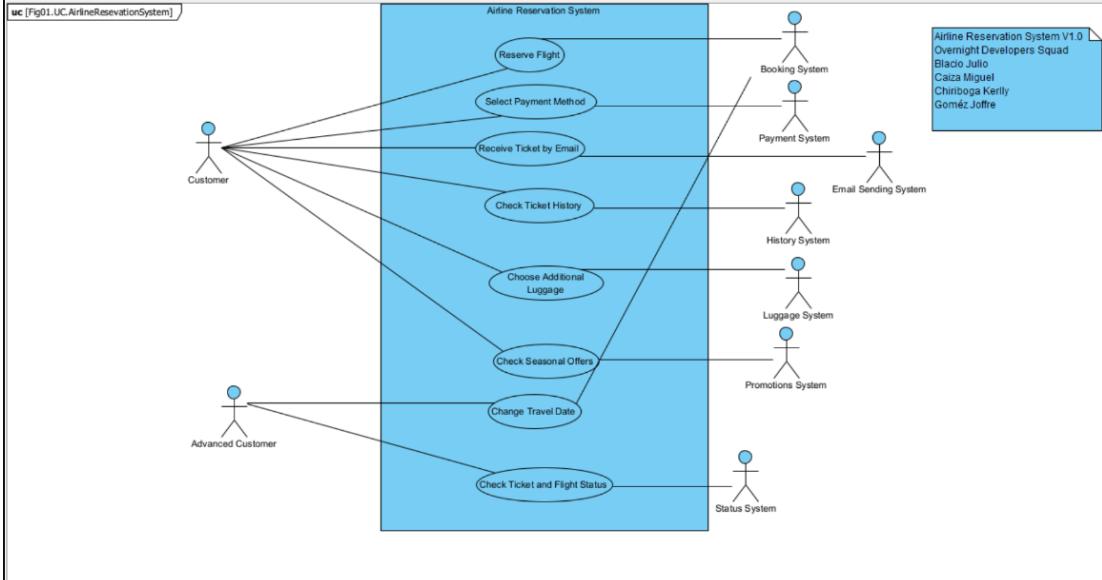
15) GitHub collaboration



16) Requirements versus Design



17) Design versus GUI (working project)



X

Airline Reservation System

V1.0.0



Continuar

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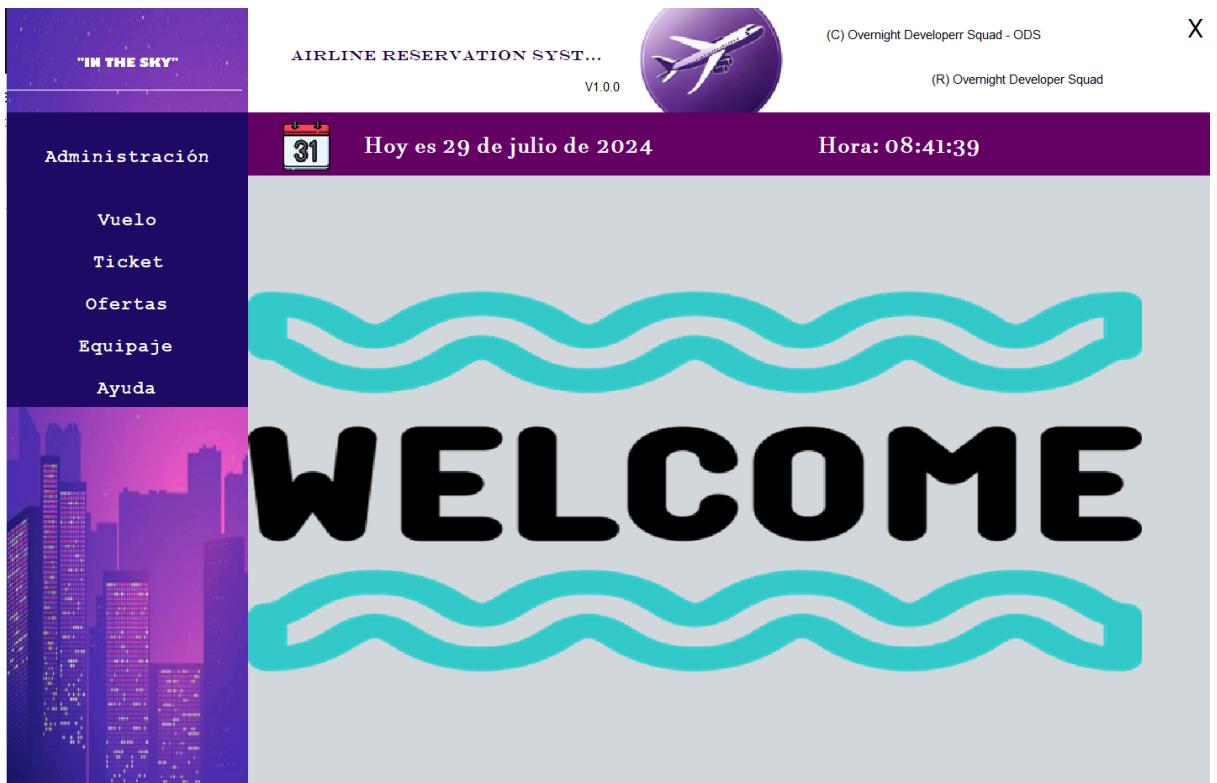
AIRLINE RESERVATION SYSTEM



Usuario
JoffreG

Contraseña
***** 

REGISTRAR **INGRESAR**



"IN THE SKY"

AIRLINE RESERVATION SYST...

X

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Administración

Vuelo

Ticket

Ofertas

Equipaje

Ayuda

Hoy es 29 de julio de 2024

Hora: 08:52:30

Crear Vuelo

Origen: Ciudad

Destino: Ciudad

Aerolínea:

Fecha de Salida:

Fecha de Llegada:

CREAR

REGRESAR

"IN THE SKY"

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Administración

Vuelo

Ticket

Ofertas

Equipaje

Ayuda

Hoy es 29 de julio de 2024

Hora: 08:53:06

Compra de Boletos

Cantidad de Boletos :

Nombre del Cliente : _____

ID de vuelo : _____

Clase :

REALIZAR PAGO

REGRESAR

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AIRLINE RESERVATION SYSTEM

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31 Hoy es 29 de julio de 2024 Hora: 08:53:31

Ofertas de Temporada

Nº	Origen	Destino	Aerolinea	Fecha de Salida	Fecha de Llegada	Precio
3	Quito	Galápagos (Baltra)	TAME	2024-07-25T10:00:00Z	2024-07-25T12:00:00Z	200.0
2	Cuenca	Manta	LATAM	2024-07-23T14:00:00Z	2024-07-23T15:30:00Z	120.0
4	Guayaquil	Loja	Avianca	2024-07-24T16:00:00Z	2024-07-24T17:30:00Z	150.0
1	Quito	Guayaquil	Avianca	2024-07-22T08:00:00Z	2024-07-22T09:00:00Z	100.0

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31 Hoy es 29 de julio de 2024 Hora: 08:53:53

Añadir Equipaje

Ingrese su ticket

Añadir Equipaje

Equipaje de Mano

Equipaje Facturado

Eliminar Equipaje

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X

Administración

Vuelo

Ticket

Ofertas

Equipaje

Ayuda

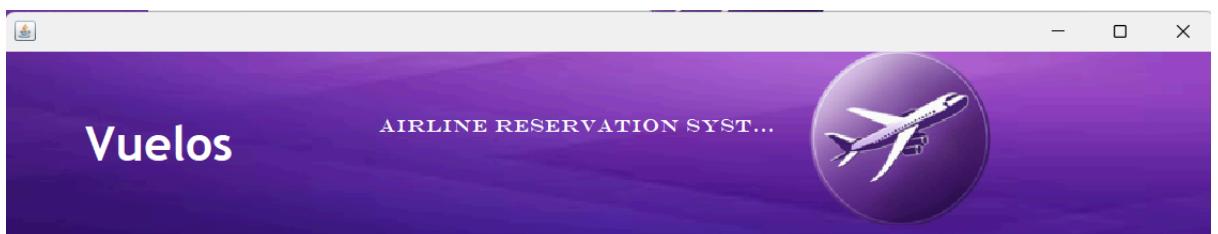
31 Hoy es 29 de julio de 2024 Hora: 08:54:14

Preguntas Frecuentes

1. ¿Cómo reservar un boleto de avión?
- Para reservar un boleto, debe crear un perfil de cliente, buscar un vuelo y luego reservar el billete.
2. ¿Cómo realizar un pago?
- Los pagos se pueden realizar con tarjeta de crédito, tarjeta de débito o PayPal.
3. ¿Cómo cambiar las fechas de los vuelos?
- Los cambios de fecha solo se permiten para boletos de clase BUSINESS.
Comuníquese con el servicio de atención al cliente para obtener ayuda.
4. ¿Cómo agregar equipaje?
- El equipaje se puede agregar durante la reserva del boleto o más tarde actualizando los detalles del boleto.



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Vuelos Registrados:

Flight ID	Airline	Origin	Destination	Departure Date	Arrival Date	Actions	
1	LATAM	Santa Rosa	Quito	2024-07-31 19:50:00	2024-08-21 19:50:00	<button>Actualizar</button>	<button>Eliminar</button>
2	AVIANCA	Manta	Cuenca	2024-07-24 19:50:00	2024-07-30 19:50:00	<button>Actualizar</button>	<button>Eliminar</button>
3	Avianca	Guayaquil	Esmeraldas	2024-07-06 00:00:00	2024-07-13 00:00:00	<button>Actualizar</button>	<button>Eliminar</button>

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AIRLINE RESERVATION SYST...

Usuarios



Lista de Usuarios Registrados:

User ID	Name	Email	Phone N...	City	State	Postal C...	Date Of ...	Gender	Actions
0706499...	Julio	jcbacio...	0997191...	Machala	El Oro	070202	2005-08-...	Masculino	<button>Actualizar</button> <button>Eliminar</button>
1728724...	Kerily	chiriboga...	0997912...	Quito	Pichincha	170103	2004-01-...	Femenino	<button>Actualizar</button> <button>Eliminar</button>
1728677...	Joffre	jegomez...	0998521...	Machachi	Pichincha	171111	2004-08-...	Masculino	<button>Actualizar</button> <button>Eliminar</button>

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Tickets



Tickets Registrados:

Number Of Ticket	Ticket ID	Nombre del Cliente	Flight ID	Ticket Class	Actions
2	1	Joffre	1	Ejecutiva	<button>Actualizar</button> <button>Eliminar</button>
1	1	Andre	3	Economica	<button>Actualizar</button> <button>Eliminar</button>

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The screenshot shows the MongoDB Compass application interface. On the left, there's a sidebar with various sections: 'My Queries', 'Performance', 'Databases' (with 'CustomerDatabase' selected), 'Search', and lists for 'FlightDataBase' and 'TicketDataBase'. The 'FlightDataBase' section contains 'counters', 'flights', and 'offers'. The 'TicketDataBase' section contains 'counters', 'tickets', and 'admin'. Under 'CustomerDatabase', there's a 'customers' collection. The main panel shows the 'customers' collection with 10 documents. Two documents are expanded to show their full JSON data:

```
_id: ObjectId('669b468b18a503c58e67861')
id: "9706499860"
name: "Julio"
email: "jcbclaciomachuca@gmail.com"
phoneNumber: "0997191091"
userName: "SrJCBM"
password: "jcb112"
city: "Nacala"
state: "El Oro"
postalCode: "070202"
dateOfBirth: "2005-08-03T05:09:19.745+00:00"
gender: "Masculino"

_id: ObjectId('669c755c7bd3fc29f38a8108')
id: "1728724970"
name: "Kerly"
email: "chiribogakerly@gmail.com"
phoneNumber: "09979126864"
userName: "Kch0101"
password: "Kch0113"
city: "Quito"
state: "Pichincha"
postalCode: "176103"
dateOfBirth: "2004-01-13T05:00:00.000+00:00"
gender: "Femenino"
```

19) Clean Code

-the method registerButtonActionPerformed maybe should be separate on different methods that divide the validation (-0.1)

```

private void registerButtonActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        String idDocument = idDocumentTxt.getText().trim();
        String name = nameTxt.getText().trim();
        String lastName = lastNameTxt.getText().trim();
        String email = emailTxt.getText().trim();
        String phoneNumber = phoneTxt.getText().trim();
        String username = usernameTxt.getText().trim();
        String password = new String(passwordTxt.getPassword()).trim();
        String city = cityTxt.getText().trim();
        String state = stateTxt.getText().trim();
        String postalCode = zipTxt.getText().trim();
        Date dateOfBirth = jDateChooser1.getDate();
        String gender = gendercmb.getSelectedItem().toString();
        if (idDocument.isEmpty() || name.isEmpty() || lastName.isEmpty() || email.isEmpty() || phoneNumber.isEmpty()
            || username.isEmpty() || password.isEmpty() || city.isEmpty() || state.isEmpty() || postalCode.isEmpty()
            || dateOfBirth == null || gender.isEmpty()) {
            JOptionPane.showMessageDialog(this, "Todos los campos son obligatorios.", "Error", JOptionPane.ERROR_MESSAGE);
            return;
        }

        if (!validarCedula(idDocument)) {
            JOptionPane.showMessageDialog(this, "La cédula ingresada no es válida.", "Error", JOptionPane.ERROR_MESSAGE);
            return;
        }

        if (!name.matches("[A-Za-z]+([A-Za-z]+)*")) {
            JOptionPane.showMessageDialog(this, "El nombre solo puede contener letras y un espacio entre palabras.", "Error", JOptionPane.ERROR_MESSAGE);
            return;
        }

        if (!lastName.matches("[A-Za-z]+([A-Za-z]+)*")) {
            JOptionPane.showMessageDialog(this, "El apellido solo puede contener letras y un espacio entre palabras.", "Error", JOptionPane.ERROR_MESSAGE);
            return;
        }

        if (!name.matches("[A-Za-z]+([A-Za-z]+)*")) {
            JOptionPane.showMessageDialog(this, "El nombre solo puede contener letras y un espacio entre palabras.", "Error", JOptionPane.ERROR_MESSAGE);
            return;
        }

        if (!lastName.matches("[A-Za-z]+([A-Za-z]+)*")) {
            JOptionPane.showMessageDialog(this, "El apellido solo puede contener letras y un espacio entre palabras.", "Error", JOptionPane.ERROR_MESSAGE);
            return;
        }

        if (!email.matches("^[A-Za-z0-9_.-]+@[A-Za-z0-9_.-]+$")) {
            JOptionPane.showMessageDialog(this, "El correo electrónico no es válido.", "Error", JOptionPane.ERROR_MESSAGE);
            return;
        }

        if (!phoneNumber.matches("\\d+")) {
            JOptionPane.showMessageDialog(this, "El número de teléfono solo puede contener dígitos.", "Error", JOptionPane.ERROR_MESSAGE);
            return;
        }

        if (!postalCode.matches("\\d+")) {
            JOptionPane.showMessageDialog(this, "El código postal solo puede contener dígitos.", "Error", JOptionPane.ERROR_MESSAGE);
            return;
        }

        if (username.length() > 10) {
            JOptionPane.showMessageDialog(this, "El nombre de usuario no puede tener más de 10 caracteres.", "Error", JOptionPane.ERROR_MESSAGE);
            return;
        }

        if (password.length() > 10) {
            JOptionPane.showMessageDialog(this, "La contraseña no puede tener más de 10 caracteres.", "Error", JOptionPane.ERROR_MESSAGE);
            return;
        }
        Customer customer = new Customer(idDocument, name, email, phoneNumber, username, password, city, state, postalCode, dateOfBirth);
        CustomerController.createCustomer(customer);

        JOptionPane.showMessageDialog(this, "Cliente registrado exitosamente!");
        clearFields();
    } catch (Exception e) {
        JOptionPane.showMessageDialog(this, "Error al registrar los datos del cliente: " + e.getMessage(), "Error", JOptionPane.ERROR_MESSAGE);
    }
}

```

-empty form (-0.1)

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to ed
 */
package ec.espe.edu.AirlineReservationSystem.view;

/**
 *
 * @author Joffre
 */
public class PaypalPaymentFrame {

}
```

A—

-There is no indication of session handling once the user is authenticated.

```
private void UsernameFieldMousePressed(java.awt.event.MouseEvent evt) {  
    if (UsernameField.getText().equals("Ingresar Nombre de Usuario")) {  
        UsernameField.setText("");  
        UsernameField.setForeground(Color.black);  
    }  
    if (String.valueOf(passTxt.getPassword()).isEmpty()) {  
        passTxt.setText("*****");  
        passTxt.setForeground(Color.gray);  
    }  
}
```

-Methods in Spanish

```
private void eliminarEquipaje(String baggageId, JDialog dialog) {
    ...
}

private void CleanBaggageBtonActionPerformed(java.awt.event.ActionEvent evt) {
    mostrarPanelEliminacion();
}

JButton botonEliminar = new JButton("Eliminar");
```

-Without format

```
String baggageType = "Cl"

TicketController controller = new TicketController();

int ticketId = BaggageController.getTicketId();

int baggageCount = controller.getBaggageCount();

if (baggageCount >= 2) {
    JOptionPane.showMessageDialog(null,
        "No se pueden afadir mas de 2 maletas en el avion",
        "Límite Alcanzado",
        JOptionPane.ERROR_MESSAGE);
}
```

-save Counter() is out of sync. If accessed from multiple threads, concurrency issues may occur.

```
private void saveCounter() {  
    try (BufferedWriter writer = new BufferedWriter(new FileWriter(COUNTER_FILE))) {  
        writer.write(Integer.toString(idCounter));  
    } catch (IOException e) {  
        e.printStackTrace();  
    }  
}
```

27. Execution/Functionality/validation&Verification

a. 10 functionalities 4/10 (1 every function is 1 point: controller and in the design, UI)

```
public int calculateTicketCost(String ticketClass, int ticketNumber) {  
  
    public Document findTicket(int ticketId) {  
  
        public static boolean authenticateCustomer(String username, String password) {  
  
            public int getBaggageCount(int ticketId) {
```

b. Login (password is encrypted) 10/10 (password is encrypted before or after reading):

```
_id: ObjectId('66ad3696c73de73b505ea6a4')  
id : "1754318556"  
name : "Frank"  
email : "frankmarcogrefa@gmail.com"  
phoneNumber : "0995714317"  
userName : "frank123"  
password : "gsbo{9:71"  
city : "Quito"  
state : "Pichincha"  
postalCode : "77483"  
dateOfBirth : 2024-08-15T19:42:06.435+00:00  
gender : "Masculino"
```

c. CRUD operations 8/10 every C/R/U/D = 0.25

Crear Vuelo

Origen: Quito Destino: Guayaquil

Vuelo creado exitosamente.

Fecha de Salida: 15 ago 2024 Fecha de Llegada: 21 ago 2024

CREAR **REGRESAR**

```
_id: ObjectId('66ad42fd01f9731b3577f87b')
flightID : "8"
origin: "Quito "
destination : "Guayaquil "
airline : "FFFA"
departureDate : 2024-08-03T20:34:57.866+00:00
arrivalDate : 2024-08-09T20:34:59.399+00:00
```

Compra de Boletos

Exito

Ha reservado con éxito su/s Ticket/s
El ID de su boleto es: 17
Por favor, proceda con el pago.

OK **Ejecutar**

REALIZAR PAGO **REGRESAR**

```
_id: ObjectId('66ad433601f9731b3577f87d')
Number of Ticket : 1
Ticket ID : 17
Customer Name : "Frank Alvarado"
Id Flight : 1
Ticket Class : "Ejecutiva"
```

Nº	Origen	Destino	Aerolinea	Fecha de Salida	Fecha de Llegada	Precio
3	Quito	Galápagos (Baltra)	TAME	2024-07-27T10:00:00Z	2024-07-27T12:00:00Z	200.0
2	Quito	Manta	LATAM	2024-07-27T14:00:00Z	2024-07-27T15:30:00Z	120.0
4	Quito	Latacunga	AVIANCA	2024-07-27T10:00:00Z	2024-07-27T11:00:00Z	100.0
1	Quito	Guayaquil	AVIANCA	2024-07-27T08:00:00Z	2024-07-27T09:00:00Z	100.0

```
_id: ObjectId('669c8c6c542a5a9239d783c9')
Nº : 3
origin: "Quito"
destination : "Galápagos (Baltra)"
airline : "TAME"
departureDate : "2024-07-25T10:00:00Z"
arrivalDate : "2024-07-25T12:00:00Z"
price : "200"
```

AIRLINE RESERVATION SYSTEM...

TICKET

Ingrese el Ticket ID: 1 **Validar**

Cliente Encontrado

Nombre del Cliente: Andre
ID del Vuelo: 3
Clase: Economica

Por favor, estimado cliente, revise que sus datos sean correctos.

Confirmar



```
_id: ObjectId('669f3d36144d0e0e47ed79c2')
Number of Ticket : 1
Ticket ID : 1
Customer Name : "Andre"
Id Flight : 3
Ticket Class : "Economica"
```

Señor Usuario recuerde que incluir dos maletas en su equipaje.

Ingrese el peso del equipaje:

0 10 20 30 Kilogramos

Confirmar



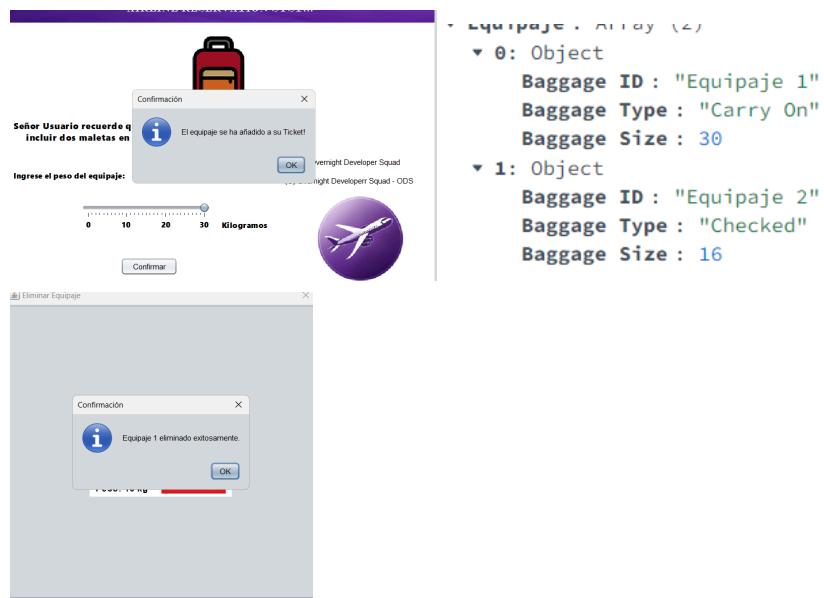
Confirmación

El equipaje se ha añadido a su Ticket!

OK



```
▼ Equipaje : Array (1)
  ▼ 0: Object
    Baggage ID : "Equipaje 2"
    Baggage Type : "Checked"
    Baggage Size : 21
```



Vuelos

Vuelos Registrados:						
Flight ID	Airline	Origin	Destination	Departure Date	Arrival Date	Actions
3	Avianca	Quito	Esmeraldas	2024-07-06 00:00:00	2024-07-13 00:00:00	[Actualizar] [Eliminar]
4	AVIANCA	Santa Rosa	Galápagos (Baltra)	2024-07-07 20:00:00	2024-07-08 20:00:00	[Actualizar] [Eliminar]
5	AVIANCA	Quito	Guayaquil	2024-07-27 00:00:00	2024-07-27 00:00:00	[Actualizar] [Eliminar]

(R) Overnight Developer Squads - DOS

Vuelos Registrados:

Flight ID	Airline	Origin	Destination	Departure Date	Arrival Date	Actions
3	FFF	FFF	FF	2024-07-06 00:00:00	2024-07-13 00:00:00	[Actualizar] [Eliminar]
4	AVIANCA	Santa Rosa	Guayaquil	2024-07-27 00:00:00	2024-07-27 00:00:00	[Actualizar] [Eliminar]
5	AVIANCA	Quito	Guayaquil	2024-07-27 00:00:00	2024-07-27 00:00:00	[Actualizar] [Eliminar]

Message: Vuelo eliminado correctamente.

(R) Overnight Developers - DOS

Usuarios

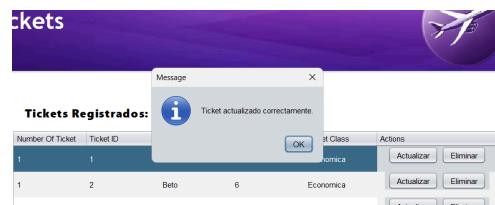
User ID	Name	Email	Phone Number	Gender	Actions				
1754318...	FF	FF	000	Masculino	[Actualizar] [Eliminar]				
1726192...	Mario	mariosan...	0999768...	Masculino	[Actualizar] [Eliminar]				
0503681...	Kleiner	kleiner3...	0981483...	Quito	rios	14785	2019-08-...	Masculino	[Actualizar] [Eliminar]

Message: Usuario actualizado correctamente.

(C) Overnight Developers - DOS

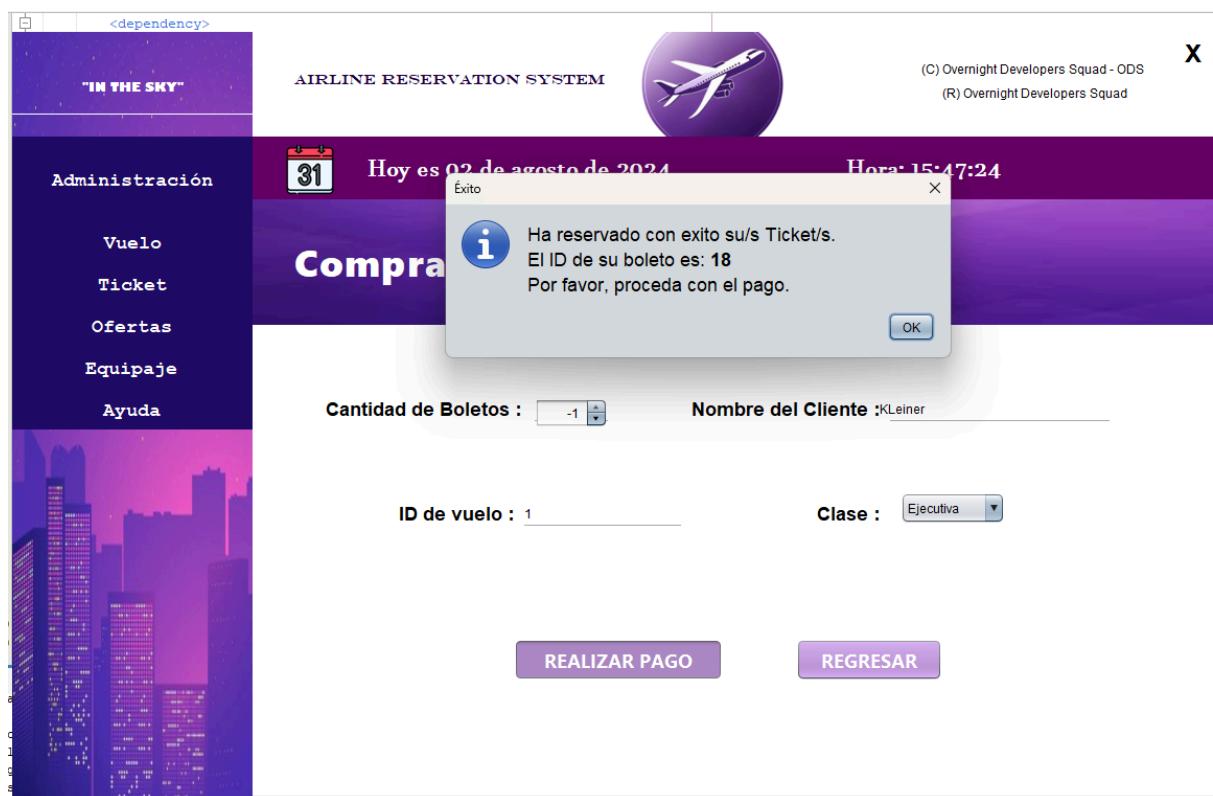


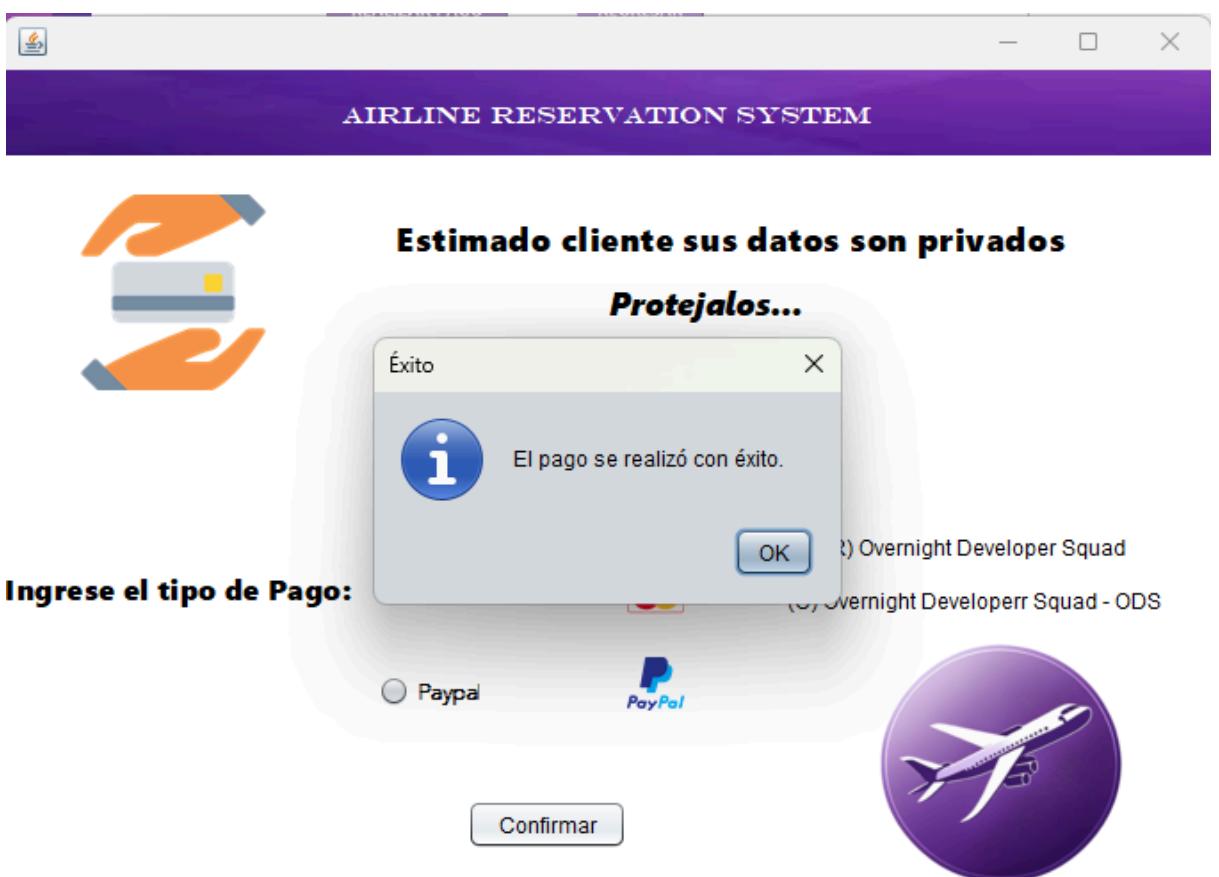
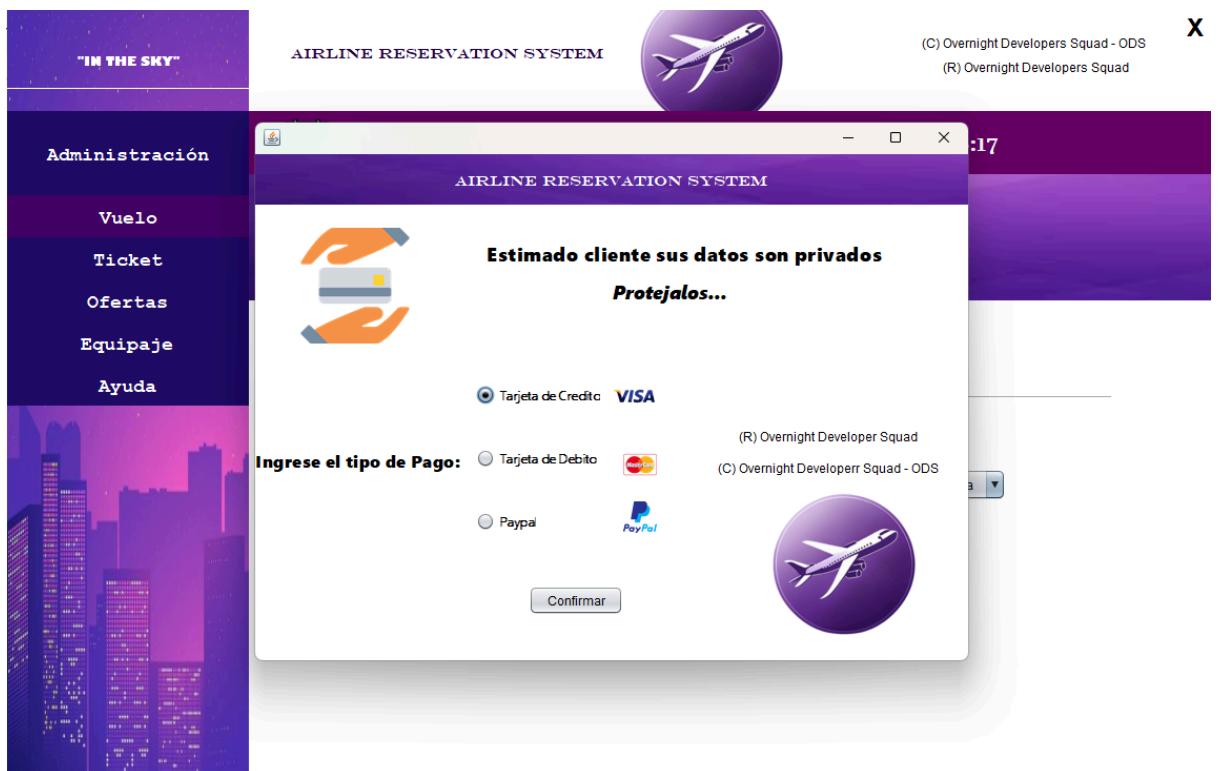
Tickets Registrados:					
Number Of Ticket	Ticket ID	Nombre del Cliente	Flight ID	Ticket Class	Actions
1	1	Andre	3	Economica	<button>Actualizar</button> <button>Eliminar</button>
1	2	Beto	6	Economica	<button>Actualizar</button> <button>Eliminar</button>



AIRLINE RESERVATION SYSTEM					
Tickets					
Tickets Registrados:					
Number Of Ticket	Ticket ID	Nombre del Cliente	Flight ID	Ticket Class	Actions
1	1	Andre	3	Economica	<button>Actualizar</button> <button>Eliminar</button>
1	2	Beto	6	Economica	<button>Actualizar</button> <button>Eliminar</button>

d. Input validations 8/10 every input = 0.25





"IN THE SKY"

AIRLINE RESERVATION SYSTEM

(C) Overnight Developers Squad - ODS
(R) Overnight Developers Squad

X

31 Hoy es 02 de agosto de 2024 Hora: 15:48:53

Ofertas de Temporada

Nº	Origen	Destino	Aerolínea	Fecha de Salida	Fecha de Llegada	Precio
3	Quito	Galápagos (Baltra)	TAME	2024-07-25T10:00:0...	2024-07-25T12:00:0...	200.0
2	Cuenca	Manta	LATAM	2024-07-23T14:00:0...	2024-07-23T15:30:0...	120.0
4	Guayaquil	Loja	Avianca	2024-07-24T16:00:0...	2024-07-24T17:30:0...	150.0
1	Quito	Guayaquil	Avianca	2024-07-22T08:00:0...	2024-07-22T09:00:0...	100.0

"IN THE SKY"

AIRLINE RESERVATION SYSTEM

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X

Id Ticket

AIRLINE RESERVATION SYSTEM

TICKET

Ingrese el Ticket ID: 18

Validar

Cliente Encontrado

Nombre del Cliente: Andre

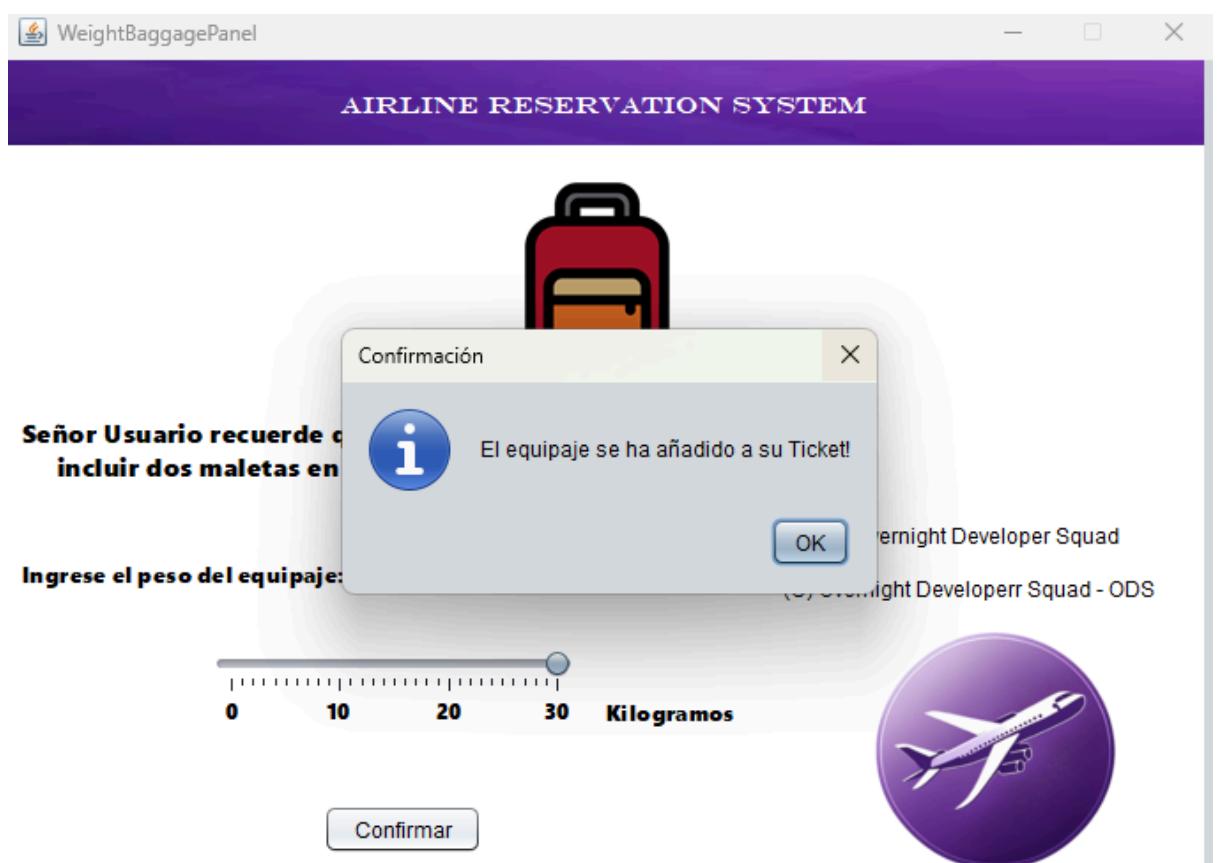
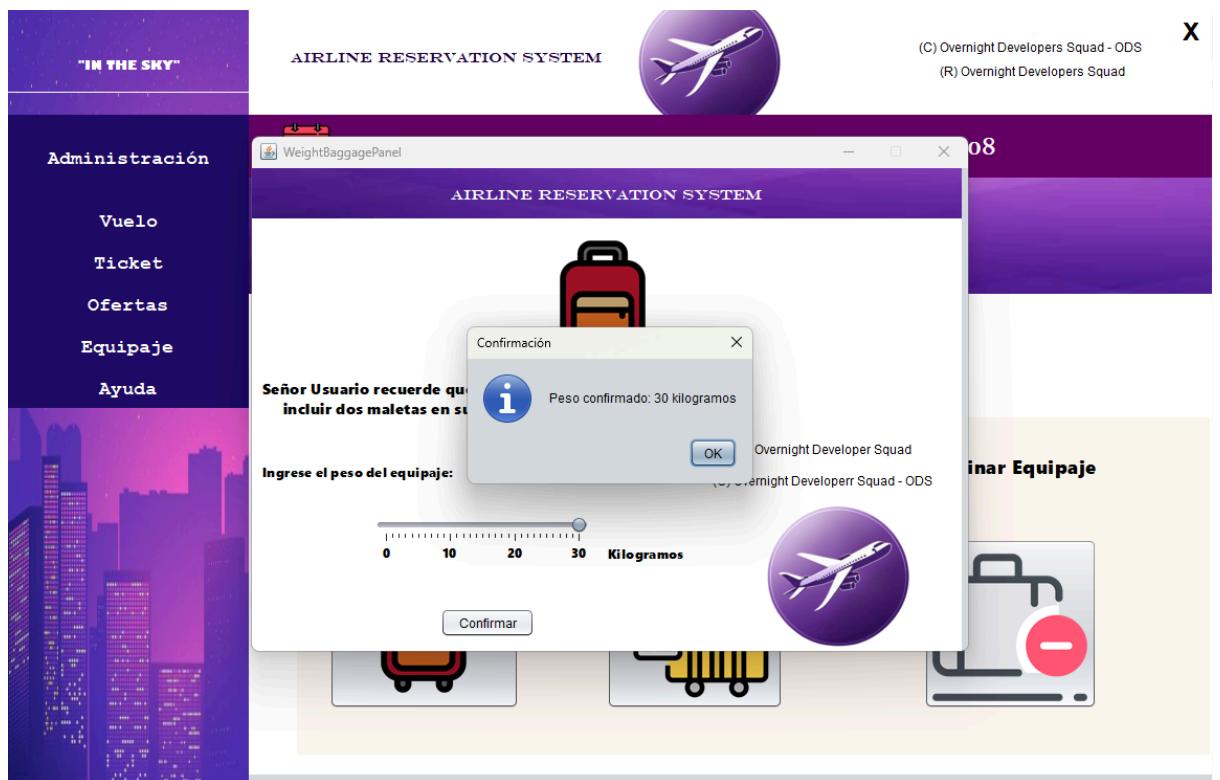
ID del Vuelo: 3

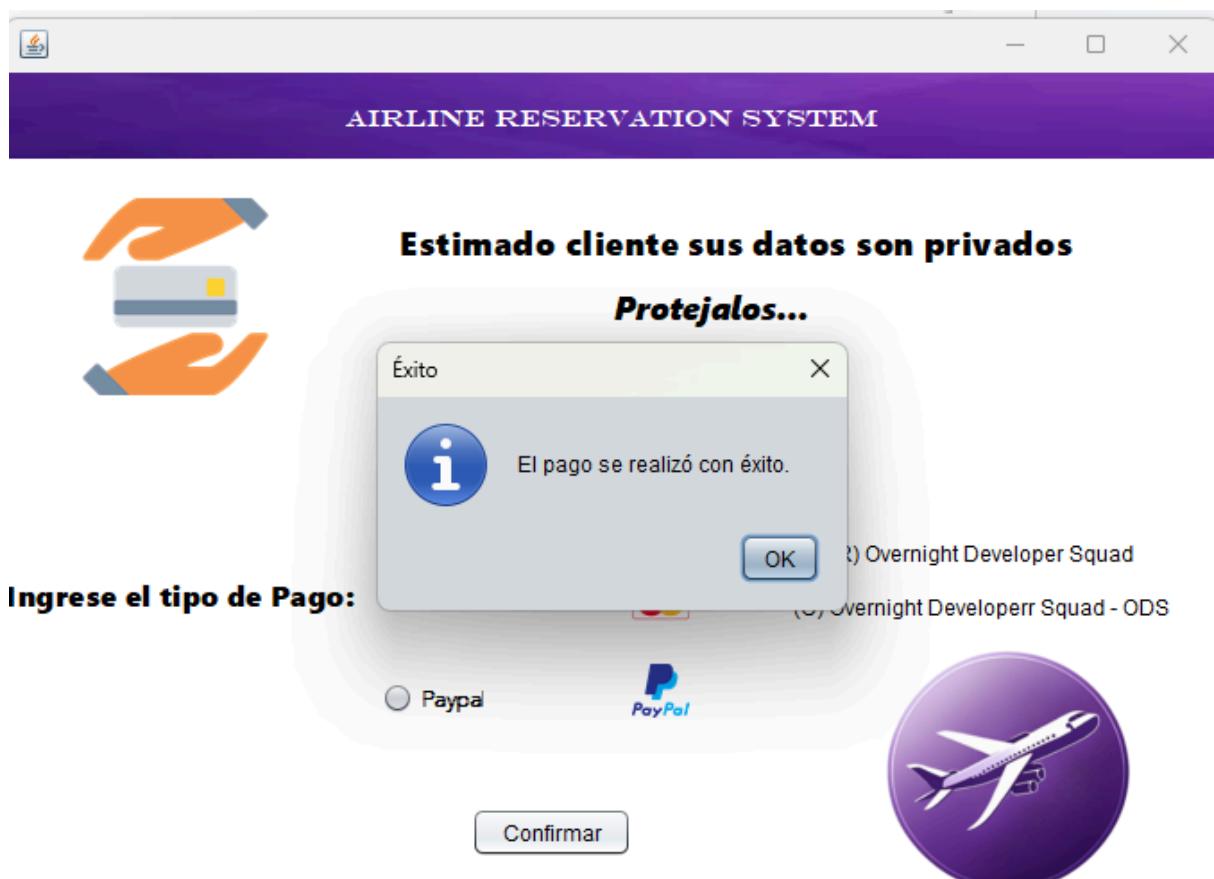
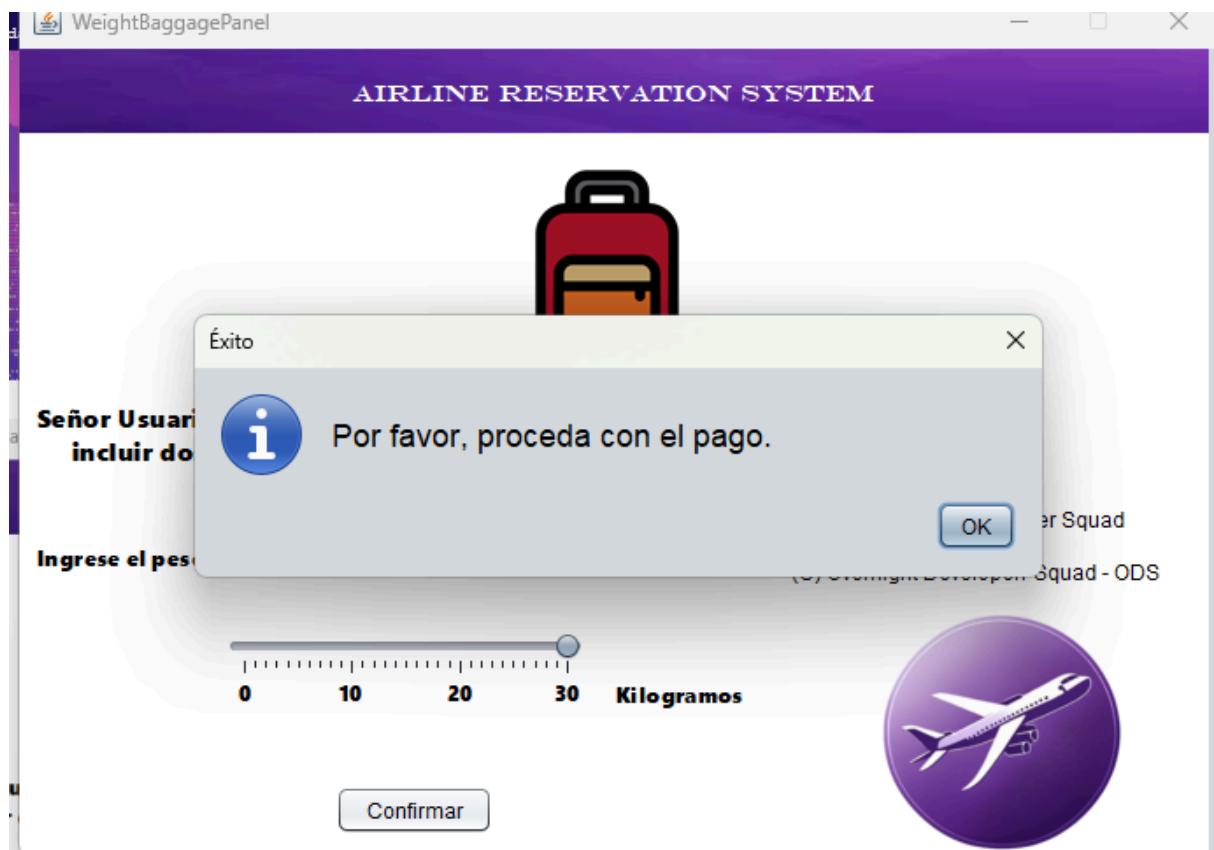
Clase: Económica

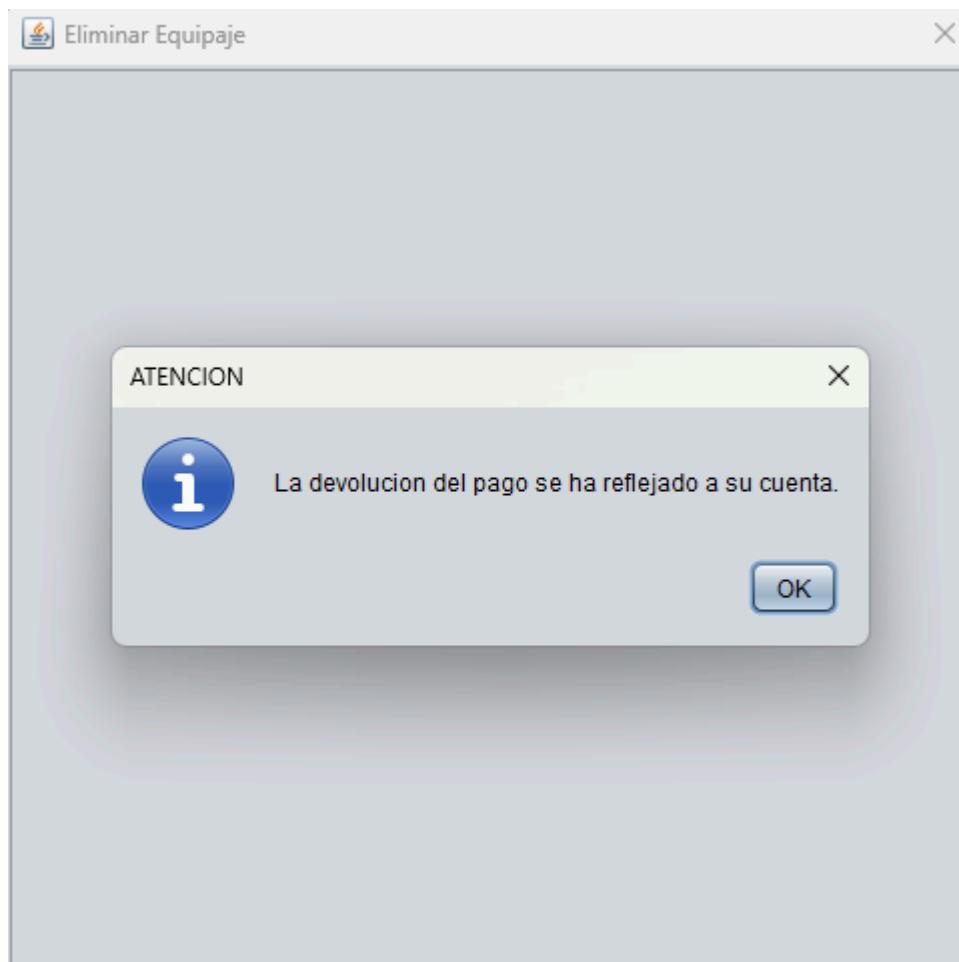
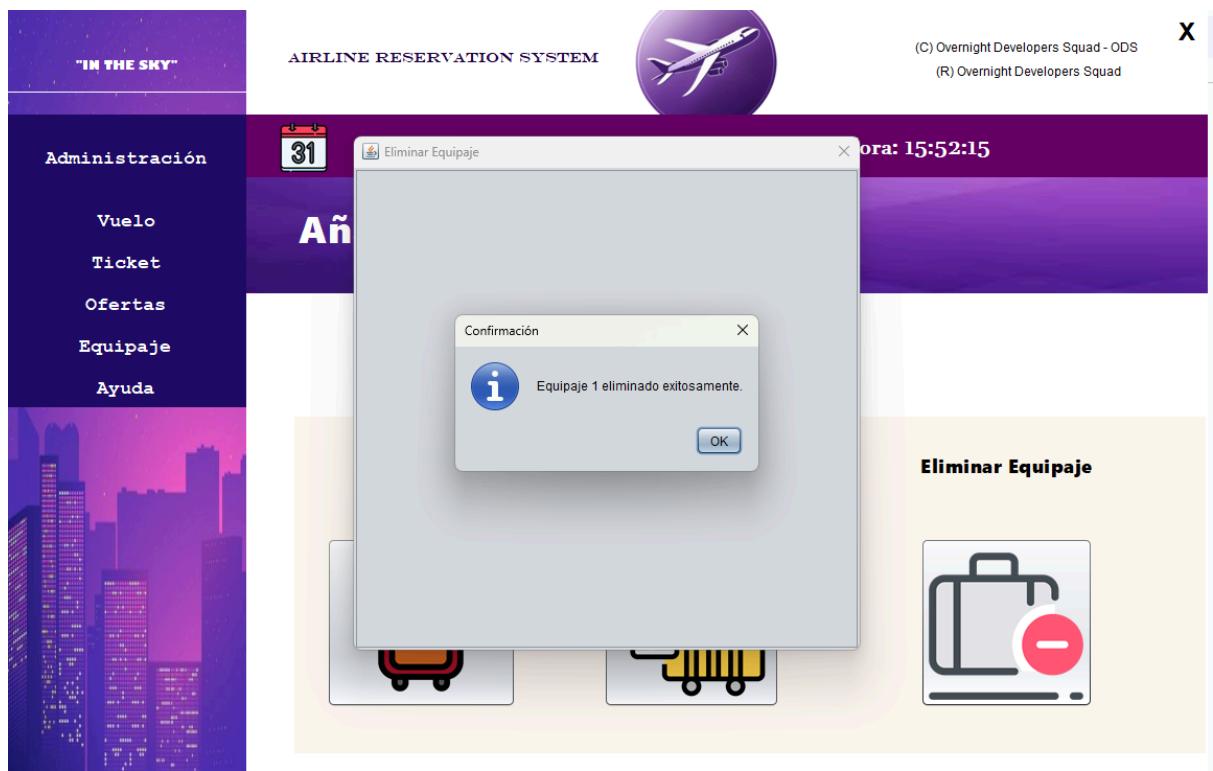
Por favor, estimado cliente, revise que sus datos sean correctos.

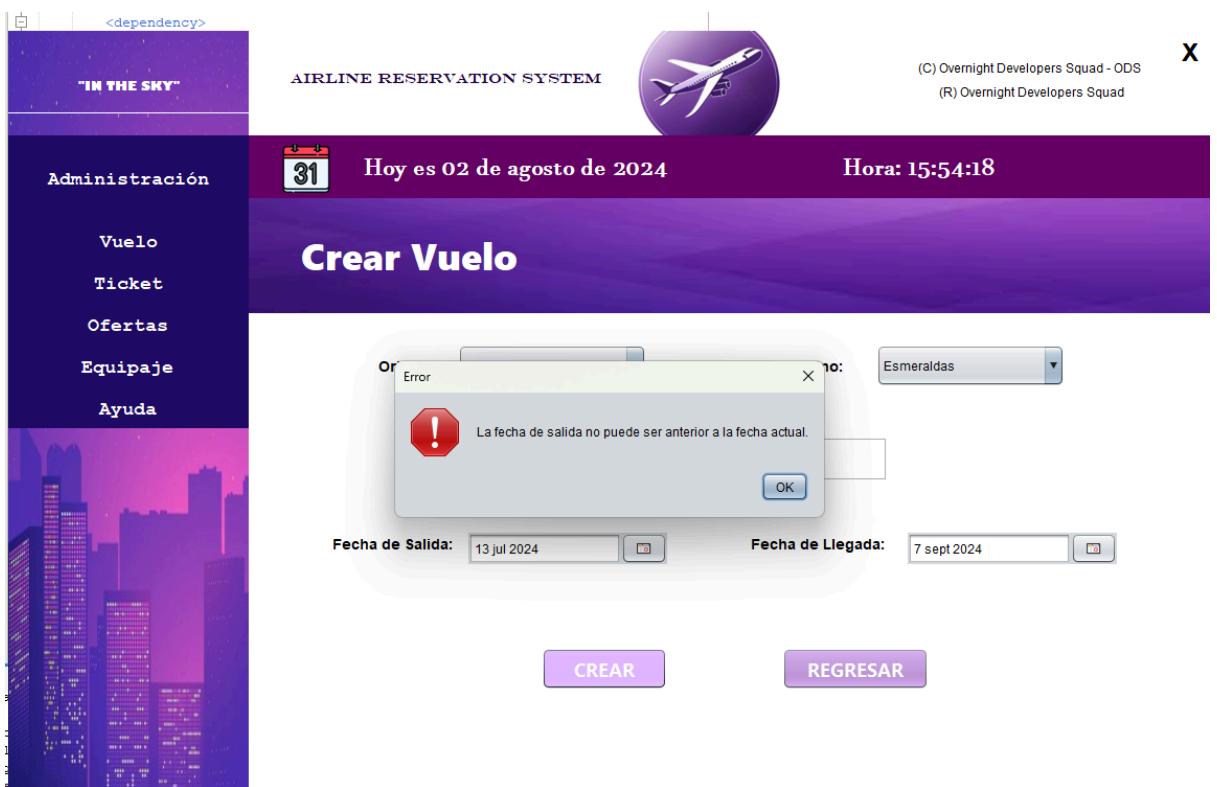
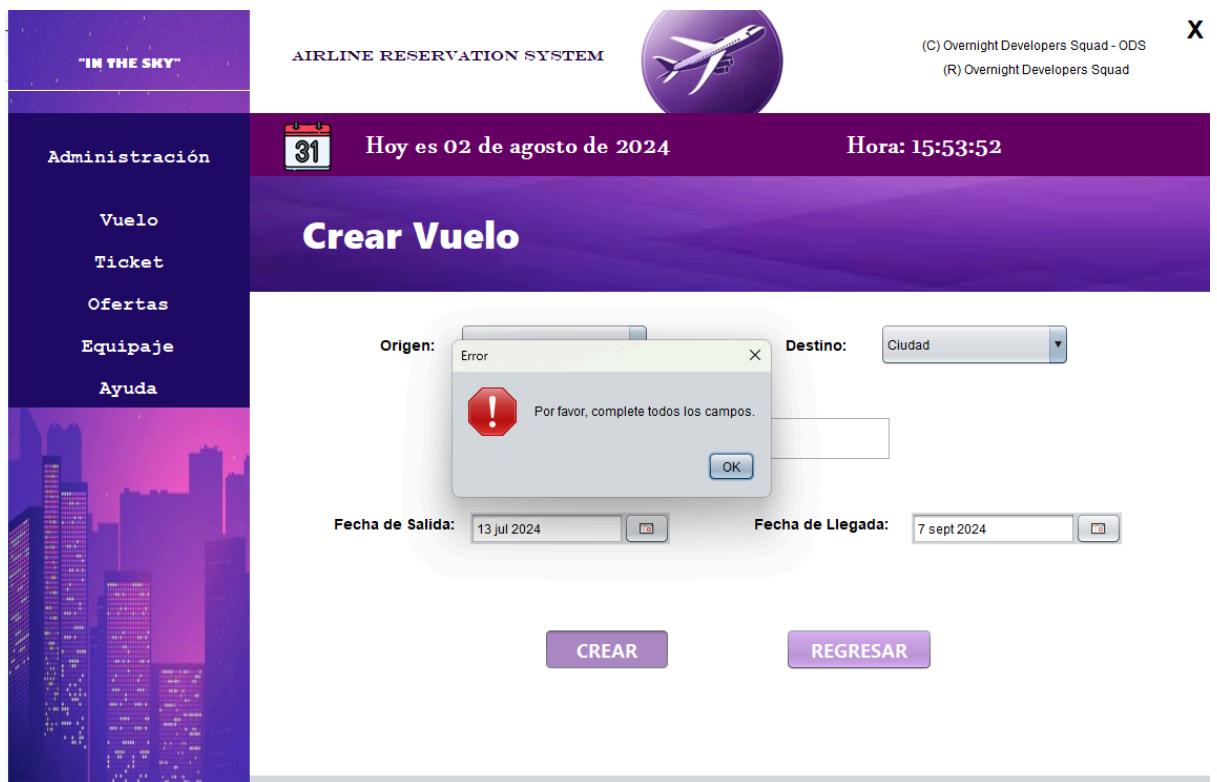
Confirmar

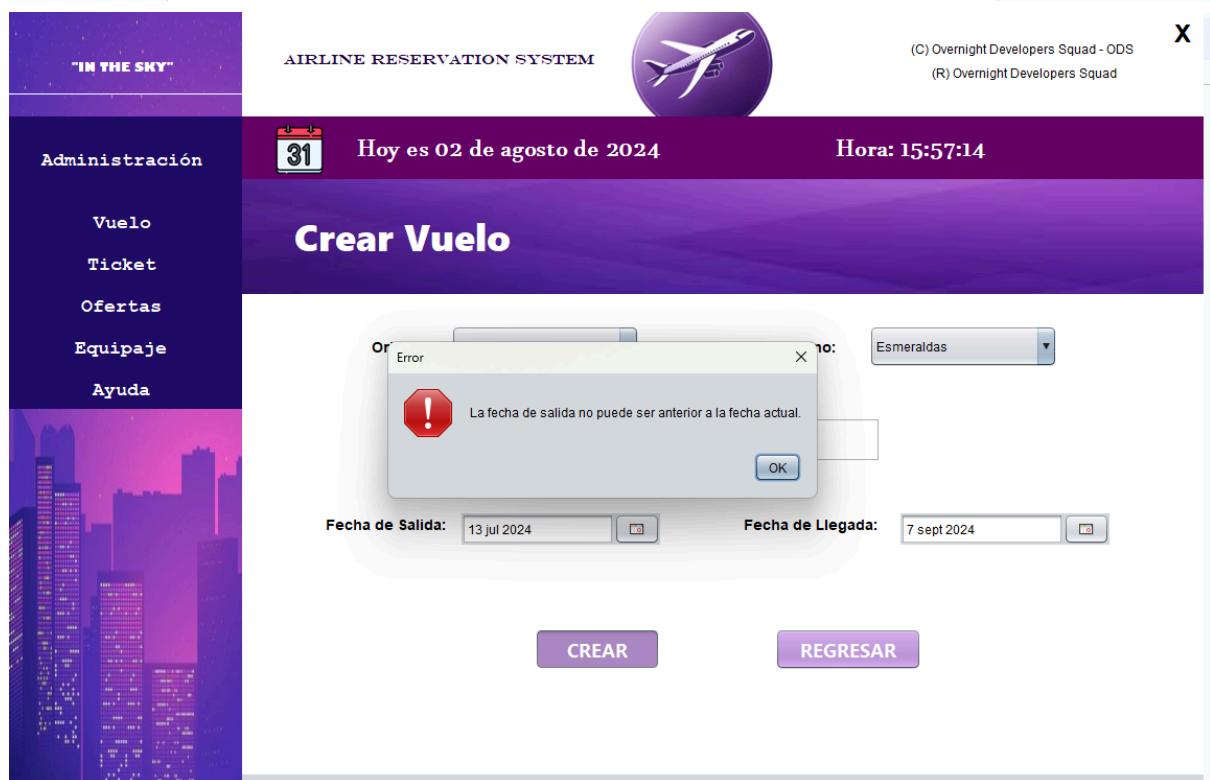
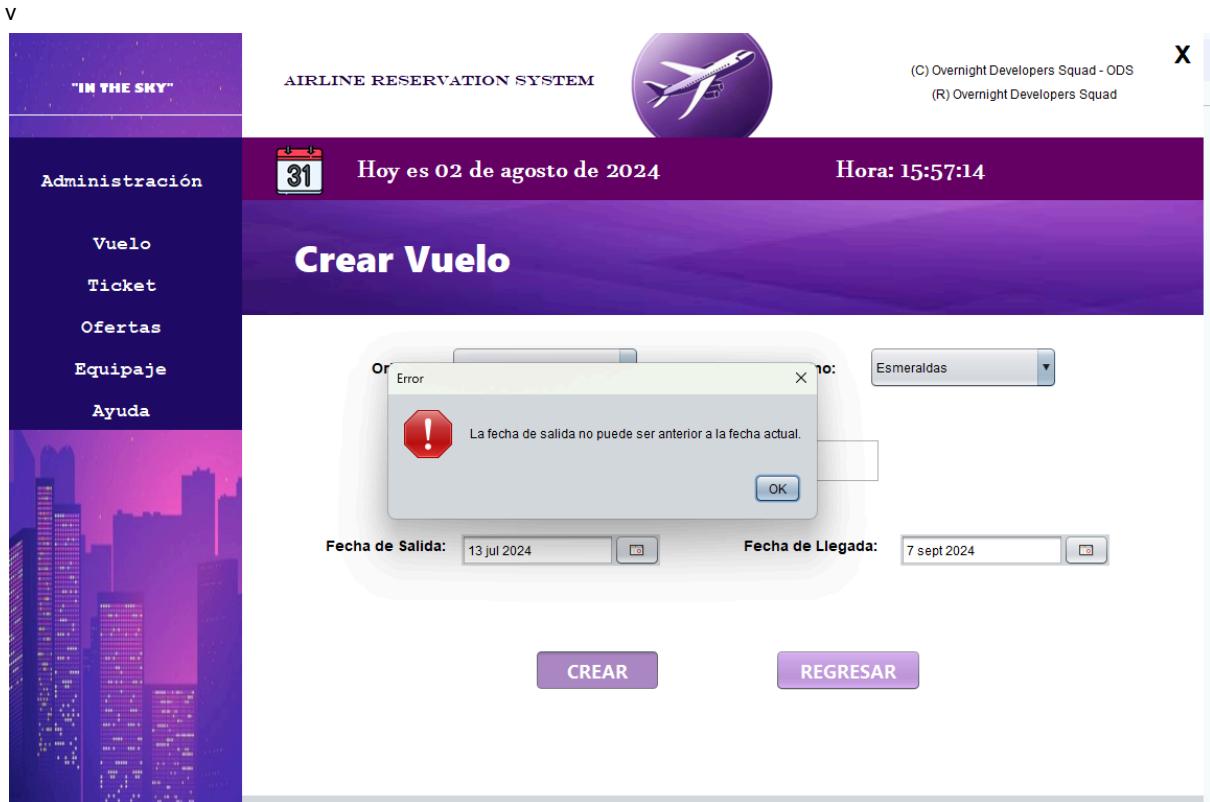
Finalizar Equipaje

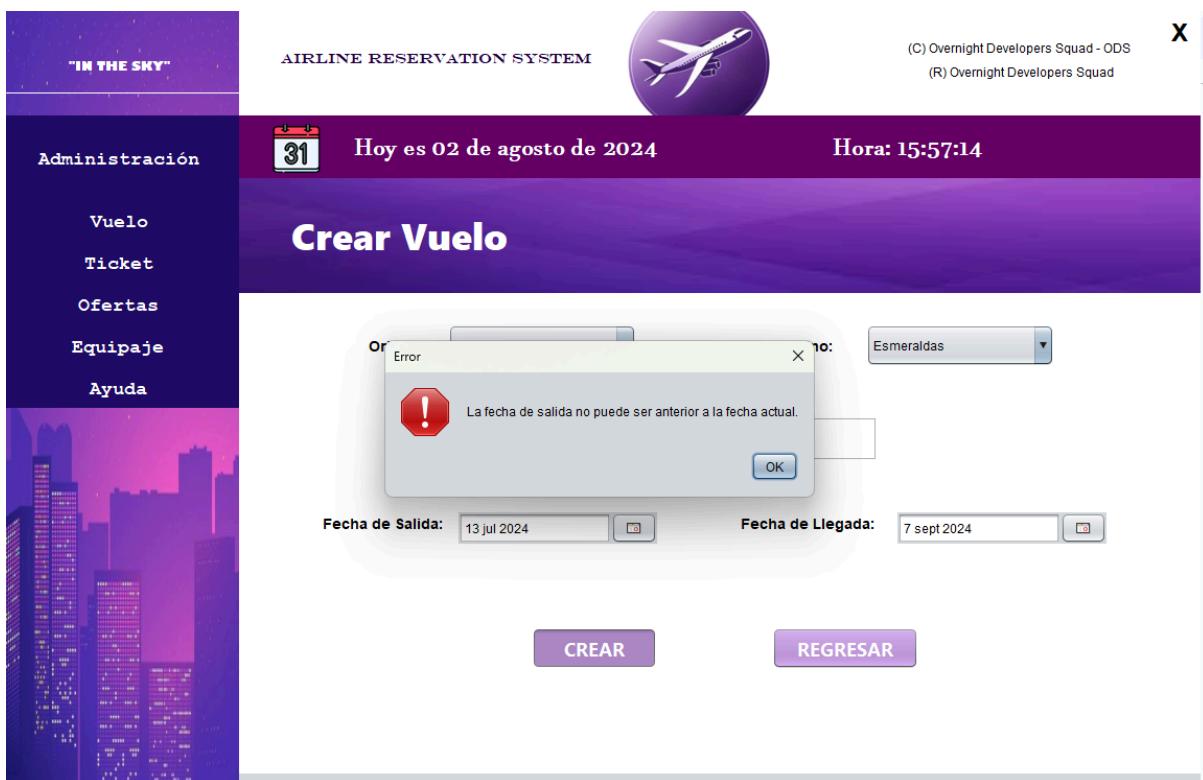
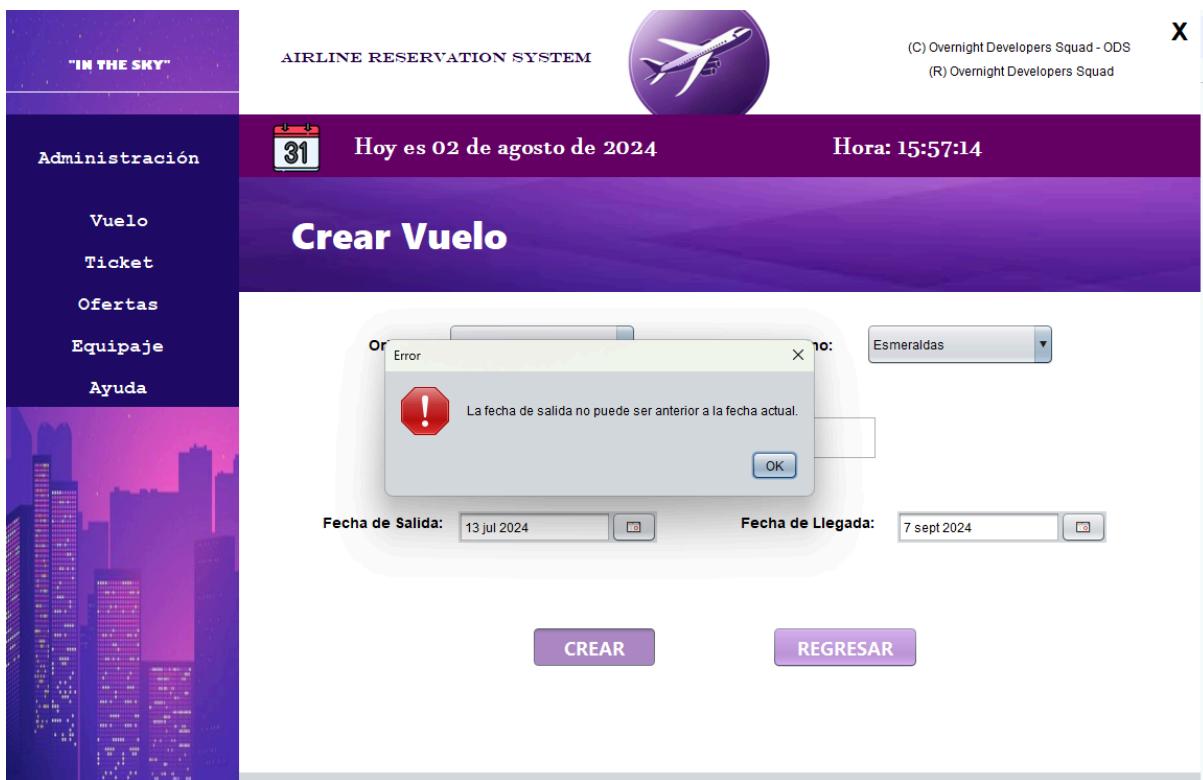


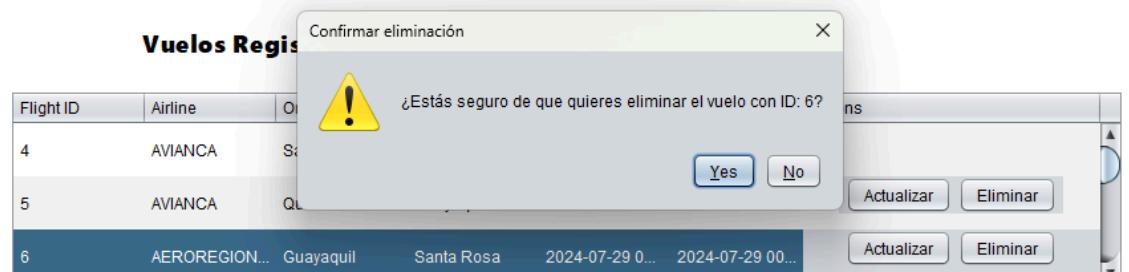
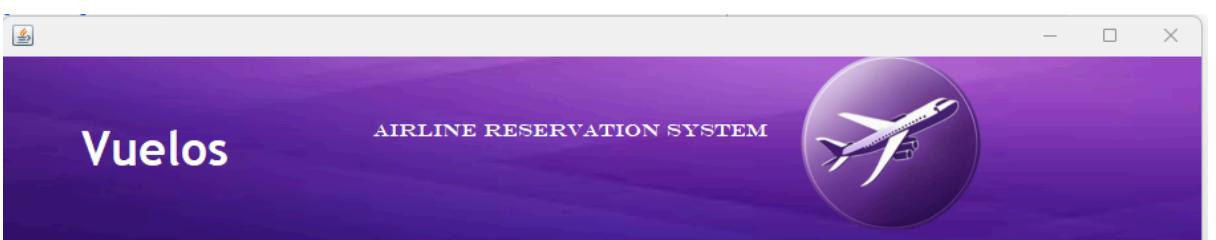
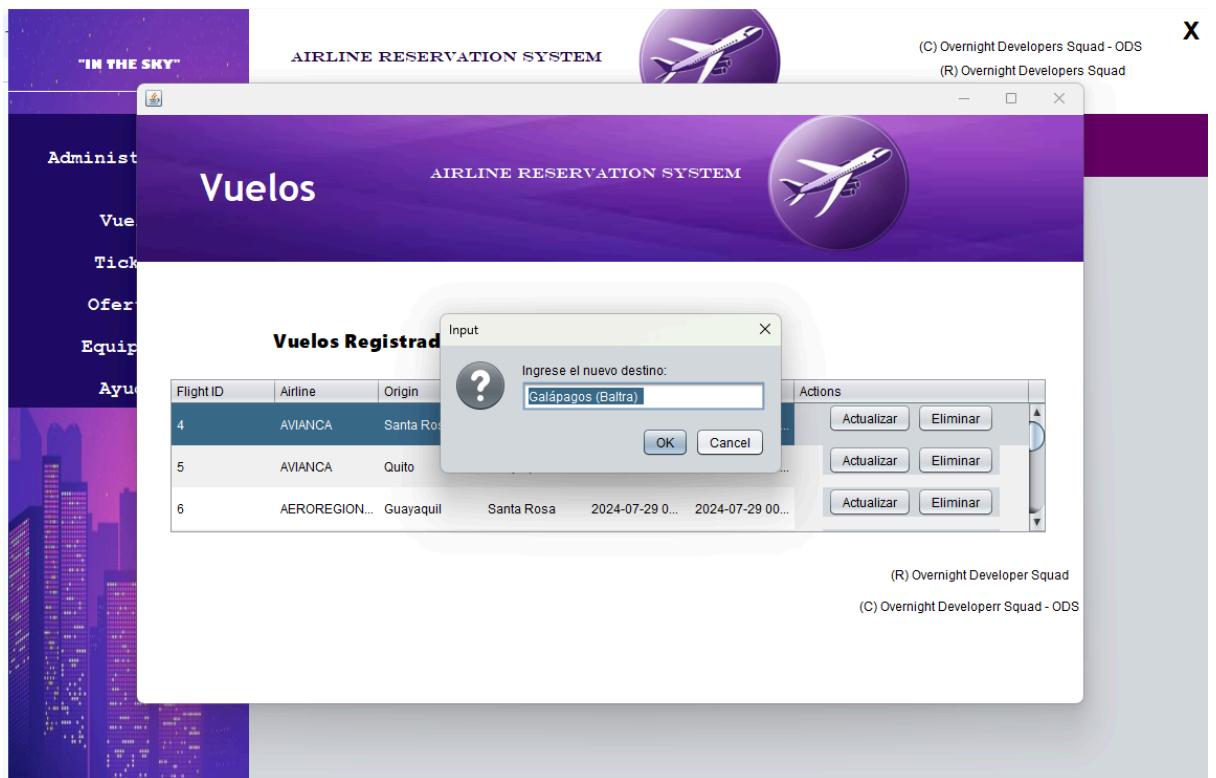


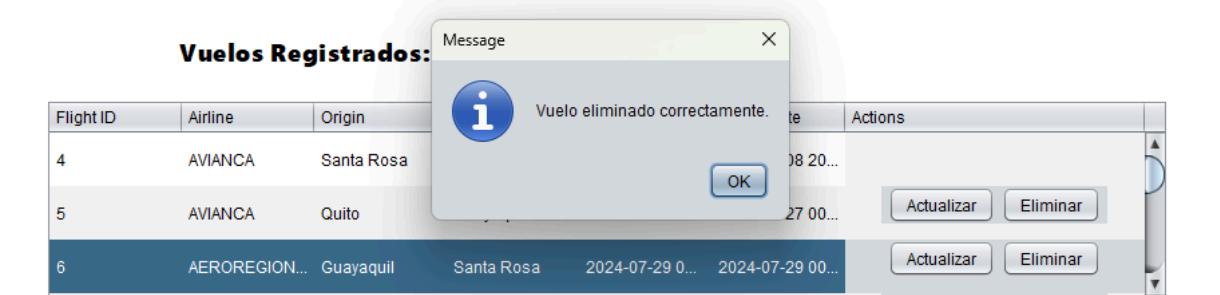
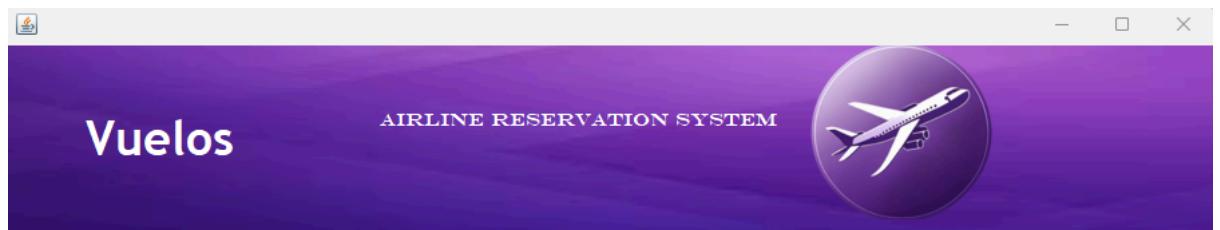






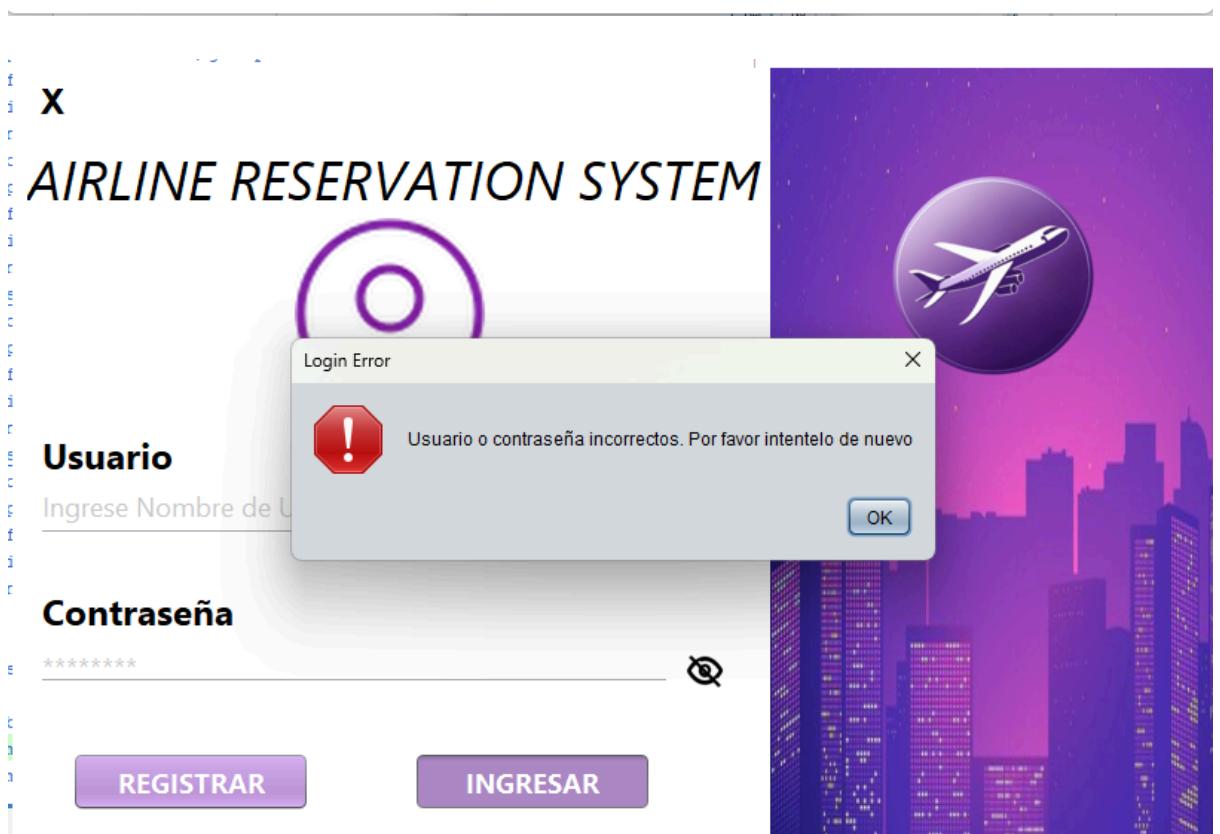


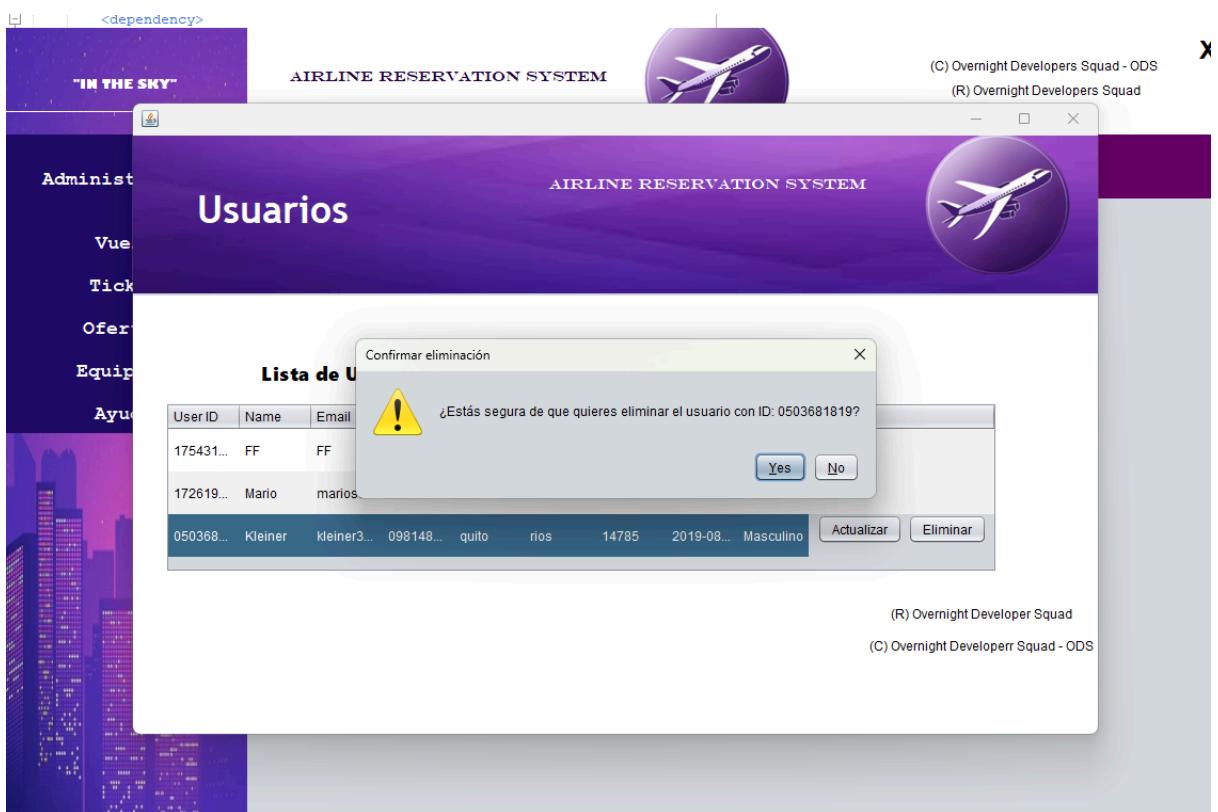
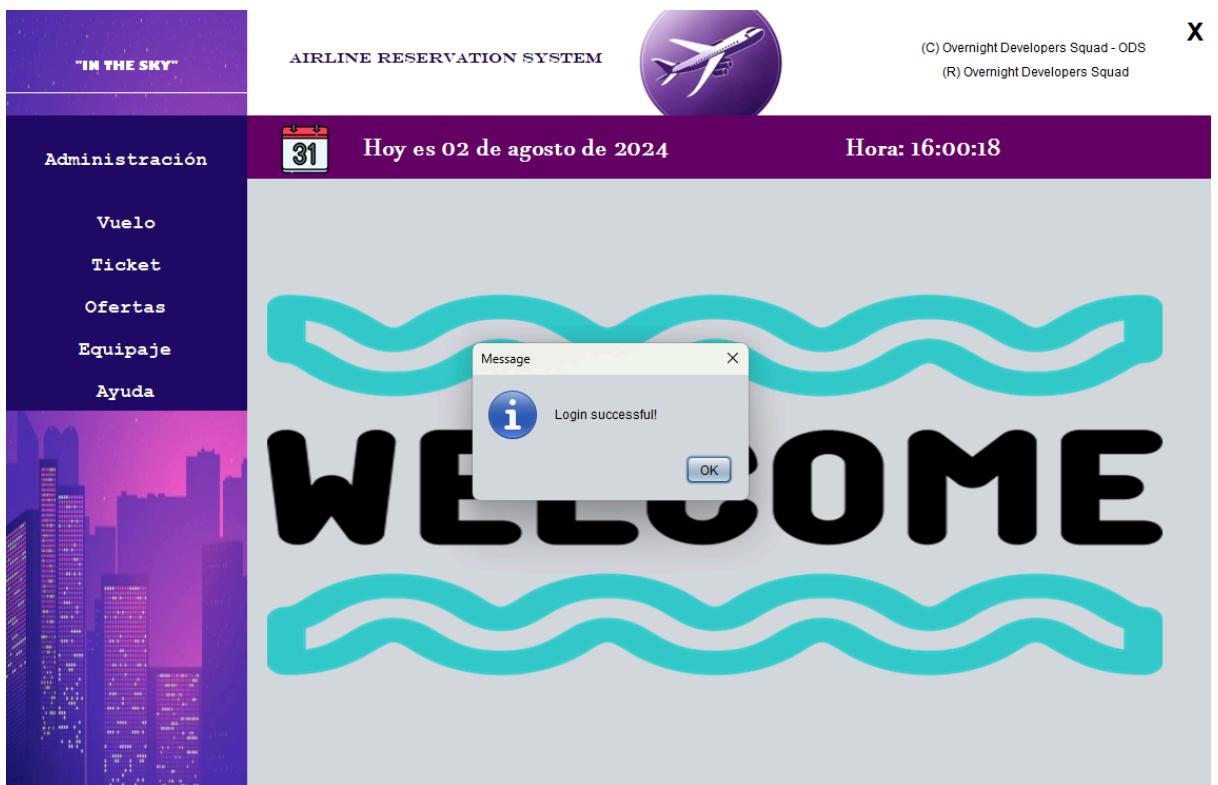


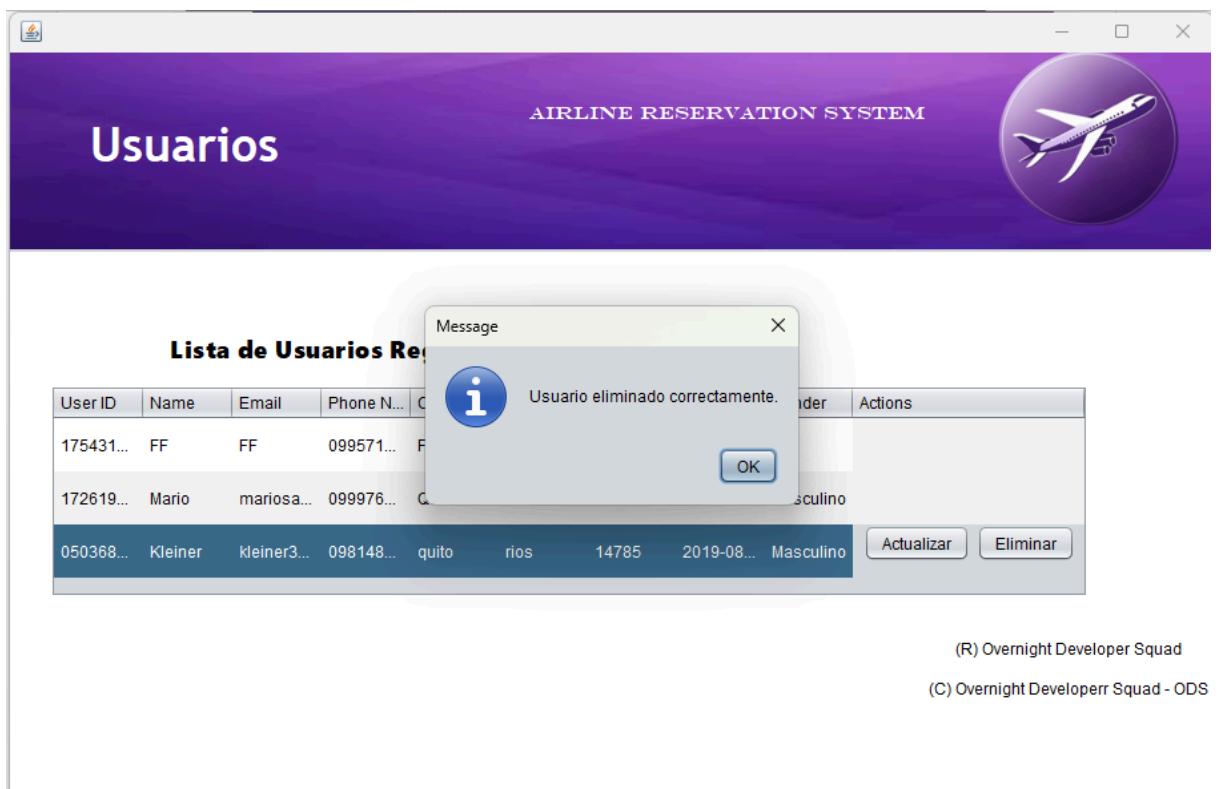


(R) Overnight Developer Squad

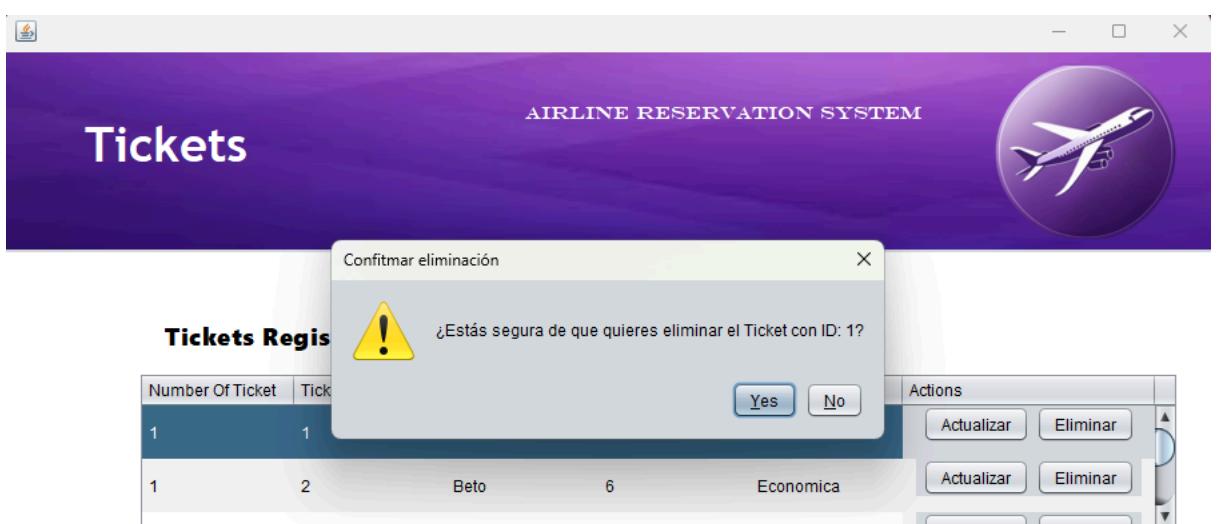
(C) Overnight Developerr Squad - ODS



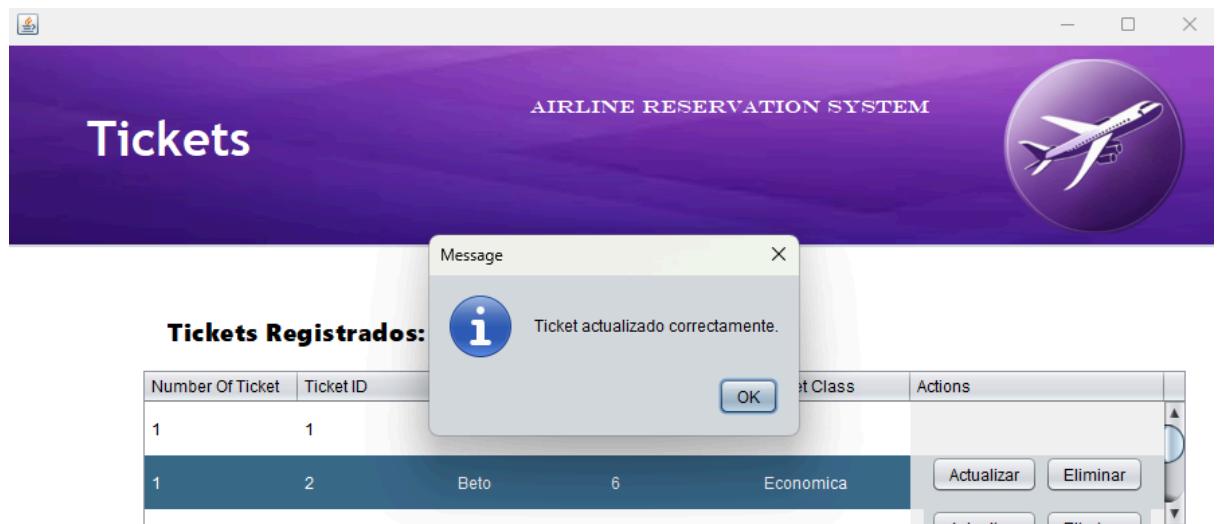




(R) Overnight Developer Squad
(C) Overnight Developerr Squad - ODS



(R) Overnight Developer Squad
(C) Overnight Developerr Squad - ODS



(R) Overnight Developer Squad

(C) Overnight Developerr Squad - ODS

e. Printouts

20/20 (get one PDF/printout, 1=10, after that, every printout +5):

Flight ID	Airline	Origin	Destination	Departure Date	Arrival Date	Actions
4	AVIANCA	Santa Rosa	Galápagos (Balt...	2024-07-07 20:0...	2024-07-08 20:0...	Actualizar Eliminar
5	AVIANCA	Quito	Guayaquil	2024-07-27 00:0...	2024-07-27 00:1...	Actualizar Eliminar
7	AVIANCA	Cuenca	Esmeraldas	2024-07-28 00:0...	2024-07-28 00:1...	Actualizar Eliminar

8	FFFA	Quito	Guayaquil	2024-08-03 15:0...	2024-08-09 15:3...	Actualizar Eliminar
9	23	Quito	Guayaquil	2024-08-03 00:0...	2024-08-09 15:4...	Actualizar Eliminar

2	14	jeancarlo	11	Ejecutiva	Actualizar Eliminar
1	16	Javier	6	Ejecutiva	Actualizar Eliminar