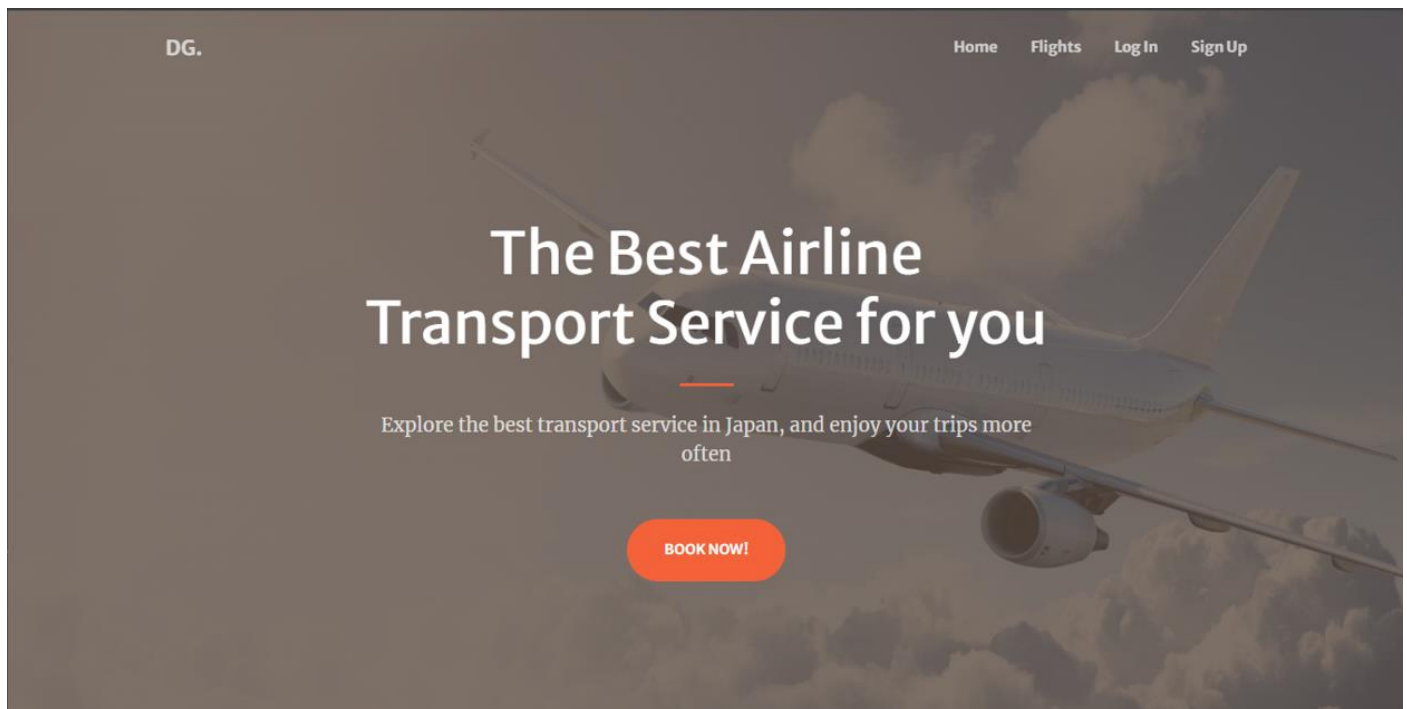


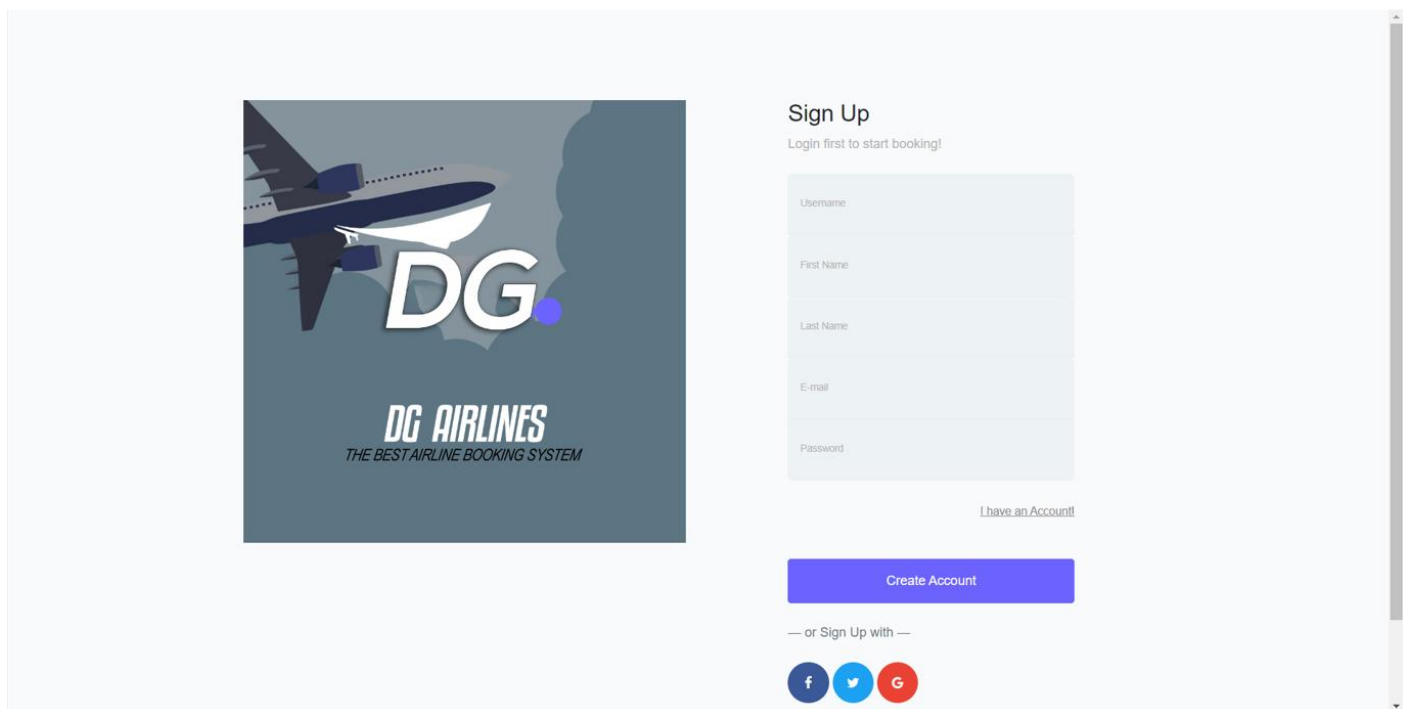


USER-GUIDE

- **Welcome page:** as soon as the user/client enters the platform, the page below is displayed



- **Create an account:** Register for a new account by providing your email address, password, and other required information.





FLIGHT MANAGEMENT SYSTEM: DARLING- AIRLINES

- **Login:** Once registered, log in to your account using your email address and password.

Sign Up
Login first to start booking!

Username

First Name

Last Name

E-mail

Password

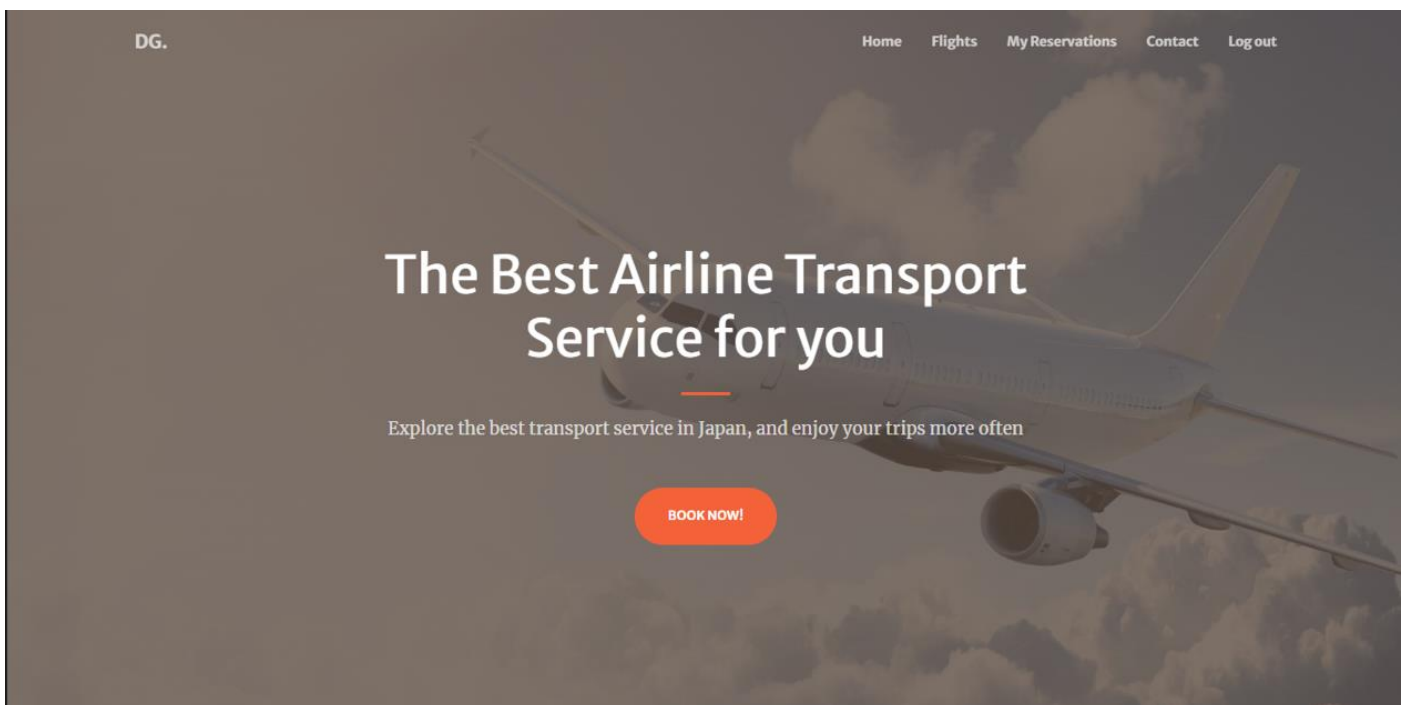
[I have an Account!](#)

Create Account

— or Sign Up with —

f t G

Once you're logged in the page below appears



Some App Features:

1. Booking Flights:

- **View flight details:** Get detailed information about each flight, including departure and arrival times, aircraft type, and available classes.



FLIGHT MANAGEMENT SYSTEM: DARLING- AIRLINES

- **Select your flight:** Choose the flight that best suits your needs and proceed to the booking process.
- **Choose your seats:** Select your preferred seats on the aircraft.
- **Enter passenger information:** Provide passenger details for each person traveling.
- **Payment:** Choose your preferred payment method and complete the payment process.

2. View Booking History (Reservation Page):

- Access your booking history by navigating to the "Reservations" section.
- View details of each booking, including flight information, passenger details, and booking status.
- Manage your bookings:
 - Modify or cancel your bookings within the specified timeframe.
 - Download e-tickets for confirmed bookings.

DG. [Home](#) [Flights](#) [My Reservations](#) [Contact](#) [Log out](#)

Make Your reservation

Depart Airport

Yaounde-Cameroun

Arrival Airport

Paris-France

No of Ticket

3





Ticket category

Economy class

CHECKOUT

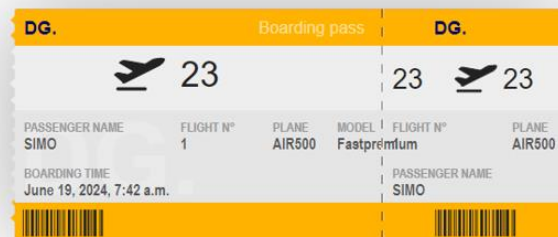
3. Payment Page:


- The payment page allows you to securely process your flight booking payments.
- Choose from various payment methods like credit cards, debit cards, or online wallets.
- Enter your payment information and complete the transaction.

PAYMENT		PAYMENT_CARD	
Full Name :	<input type="text" value="Sandra"/>	Cards Accepted :	   
Email :	<input type="text" value="Sandra@gmail.com"/>	Name On Card :	<input type="text" value="mr. john deo"/>
Address :	<input type="text" value="room - street - locality"/>	Credit Card Number :	<input type="text" value="1111-2222-3333-4444"/>
City :	<input type="text" value="USA"/>	Exp Month :	<input type="text" value="january"/>
State :	<input type="text" value="CMR"/>	Total Price :	<input type="text" value="450"/>
		Exp Year :	<input type="text" value="2022"/>
		CVV :	<input type="text" value="1234"/>
<input type="button" value="Pay For The Flight"/>			

And the ticket is printed/ presented as follows:

[← Go back](#)



Click here to print! 

4. View Available Flights:

- Browse through all available flights offered by Darling Airlines.
- Use filters and search options to find flights based on your preferences.
- View flight details and compare different options before making a booking.



FLIGHT MANAGEMENT SYSTEM: DARLING- AIRLINES

DG.

[Home](#) [Flights](#) [My Reservations](#) [Contact](#) [Log out](#)

#	Town.Dep	Destination	Depart Time	Stops	N.Plane	A.place	Buy
1	Yaounde-Cameroun	Paris-France	June 19, 2024, 7:42 a.m.	view	Plane01: Airbus Aircraft 31(Airbus Aircraft 31)	100	✈
3	Paris - France	Rio de Janero - Brasil	June 7, 2024, 7:42 p.m.	view	Plane03: Airbus Aircraft A250(Airbus Aircraft A250)	100	✈
2	Yaounde-Cameroun	Tokyo - Japan	June 3, 2024, 7:42 a.m.	view	Plane02: Airbus Aircraft A20(Airbus Aircraft A20)	98	✈

5. Admin Dashboard (for Admins only):

- Admins have access to a dedicated dashboard where they can:
 - Manage flight schedules and availability.
 - View booking reports and passenger information.
 - Handle customer inquiries and manage refunds.
 - Update app settings and configurations.

Django administration

WELCOME, PRINCE. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Site administration

AUTHENTICATION AND AUTHORIZATION

Groups	+ Add Change
Users	+ Add Change

FLIGHT

Aeroplanes	+ Add Change
Contacts	+ Add Change
Flights	+ Add Change
Payments	+ Add Change
Prices	+ Add Change
Reservations	+ Add Change
Stops	+ Add Change
Users	+ Add Change

Recent actions

My actions

- + 6 : economy ==> 2000
Price
- + 5 : first ==> 2500
Price
- + 4 : economy ==> 1500
Price
- + 3 : first ==> 2000
Price
- + price 2 : economy ==> 500
Price
- + Price 1 : first ==> 1000
Price
- + 2 : Seoul - Korea ==> 2024-06-03 14:03:41+00:00
Stop
- + 1 : Douala - Cameroun ==> 2024-06-19 08:42:19+00:00
Stop
- + 3 : Paris - France ==> Rio de Janero - Brasil
Flight
- + 2 : Yaounde-Cameroun ==> Tokyo - Japan
Flight



Backup and Restore

From the command line of the project's directory, a backup file is present. It can restore the database from the backup file by running:

```
python manage.py restore_db your_database_name_backup.sql
```

The backup command itself is given by:

```
python manage.py backup_db
```

This will generate a backup file named `darling_airline.sql` in the project directory.



PACKAGES IN DARLING-AIRLINES

These lines represent a list of Python packages and their versions, likely used within a Django project (they can be seen in the *requirements.txt* file). Let's break down each package for a clearer understanding:

1. **asgiref==3.8.1:**

- asgiref is used to enable asynchronous functionality in the flight management app, allowing it to handle real-time updates and push notifications more efficiently.

2. **Django==5.0.6:**

- The core Django framework is used to build the flight management web application, providing features like routing, models, views, and templates.

3. **django-dbbackup==4.1.0:**

- django-dbbackup is used to regularly backup the flight data, including information about flights, passengers, and bookings, to ensure data integrity and enable easy restoration if needed.

4. **psycopg2==2.9.9:**

- psycopg2 is the adapter used to connect the Django application to a PostgreSQL database, which is likely chosen to handle the large amounts of flight data efficiently.

5. **pytz==2024.1:**

- pytz is used to handle time zone-related functionality, such as displaying flight schedules and departure/arrival times in the correct time zones for users across different locations.

6. **sqlparse==0.5.0:**

- sqlparse may be used to parse and manipulate SQL queries, particularly for complex database operations related to flight scheduling, availability, and booking.

7. **tzdata==2024.1:**

- tzdata provides up-to-date time zone information, which is crucial for the flight management app to accurately display flight times and handle time zone-related business logic.

In the context of Darling-Airlines, these packages work together to provide a robust and feature-rich platform for managing flight operations. The asynchronous capabilities, database backup and restoration, PostgreSQL integration, and time zone handling are all essential for a flight management system to function effectively and reliably.



CLASS DIAGRAM

