

Space Flight Reservation System



The Vision

Seamless Booking

Our Java-based system allows users to explore available flights, book trips, and manage their reservations with ease.

User-Friendly Interface

The system is fast, user-friendly, and designed for a smooth customer experience.

Current Challenges

Complexity

Booking a space flight is a inconvenient and time-consuming process.

Lack of Efficiency

Users manually browse flights, often struggling to find the best option.

Inefficient Customization Options

Customers risk losing their preferred seats due to long wait times and limited modification options.

Our Solution

Browse Flights

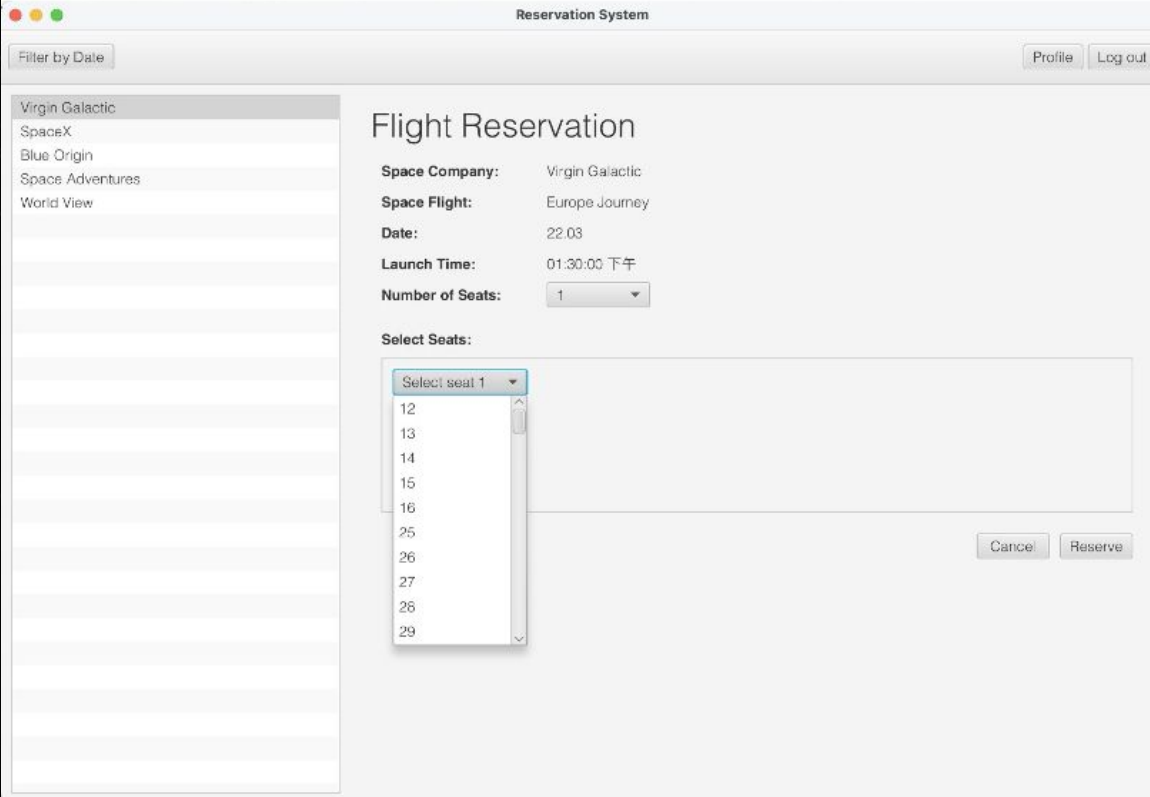
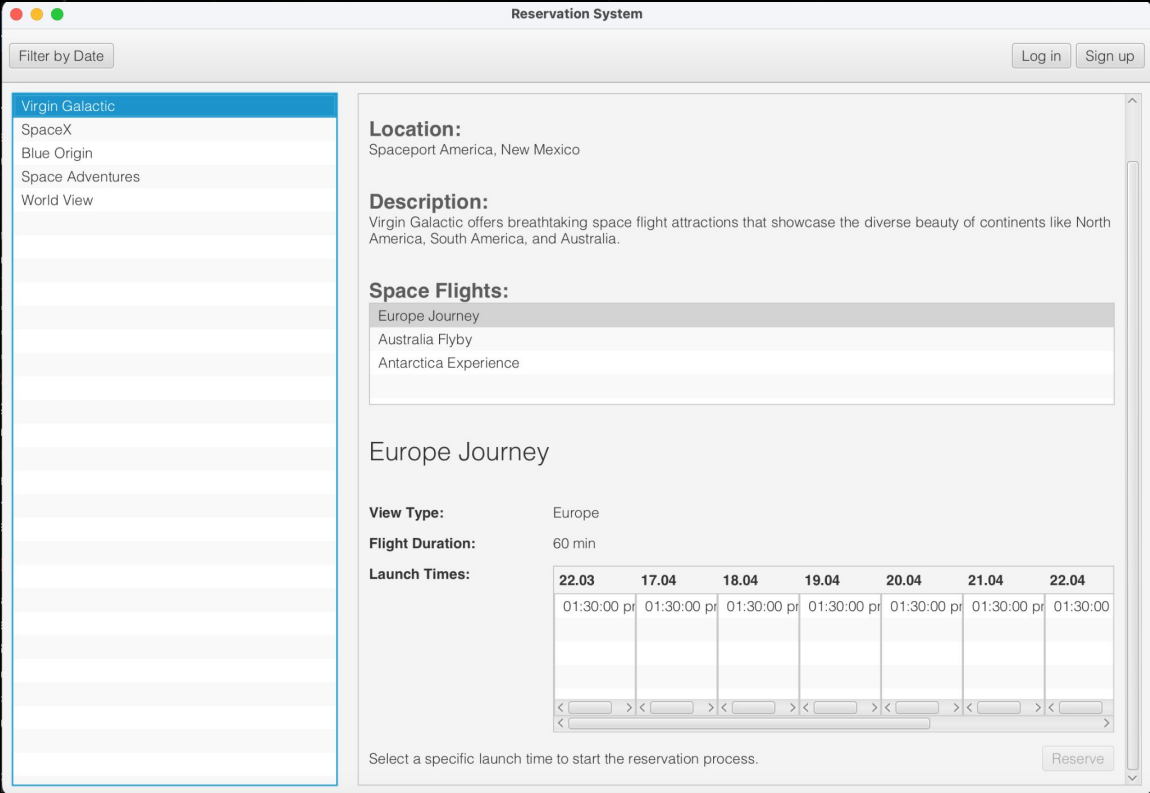
Users can browse available space flights from multiple companies in one place.

Book Instantly

Create an account, log in, and book a flight instantly with a confirmation.

Manage Reservations

Modify or cancel a reservation if plans change, and view and update your profile.



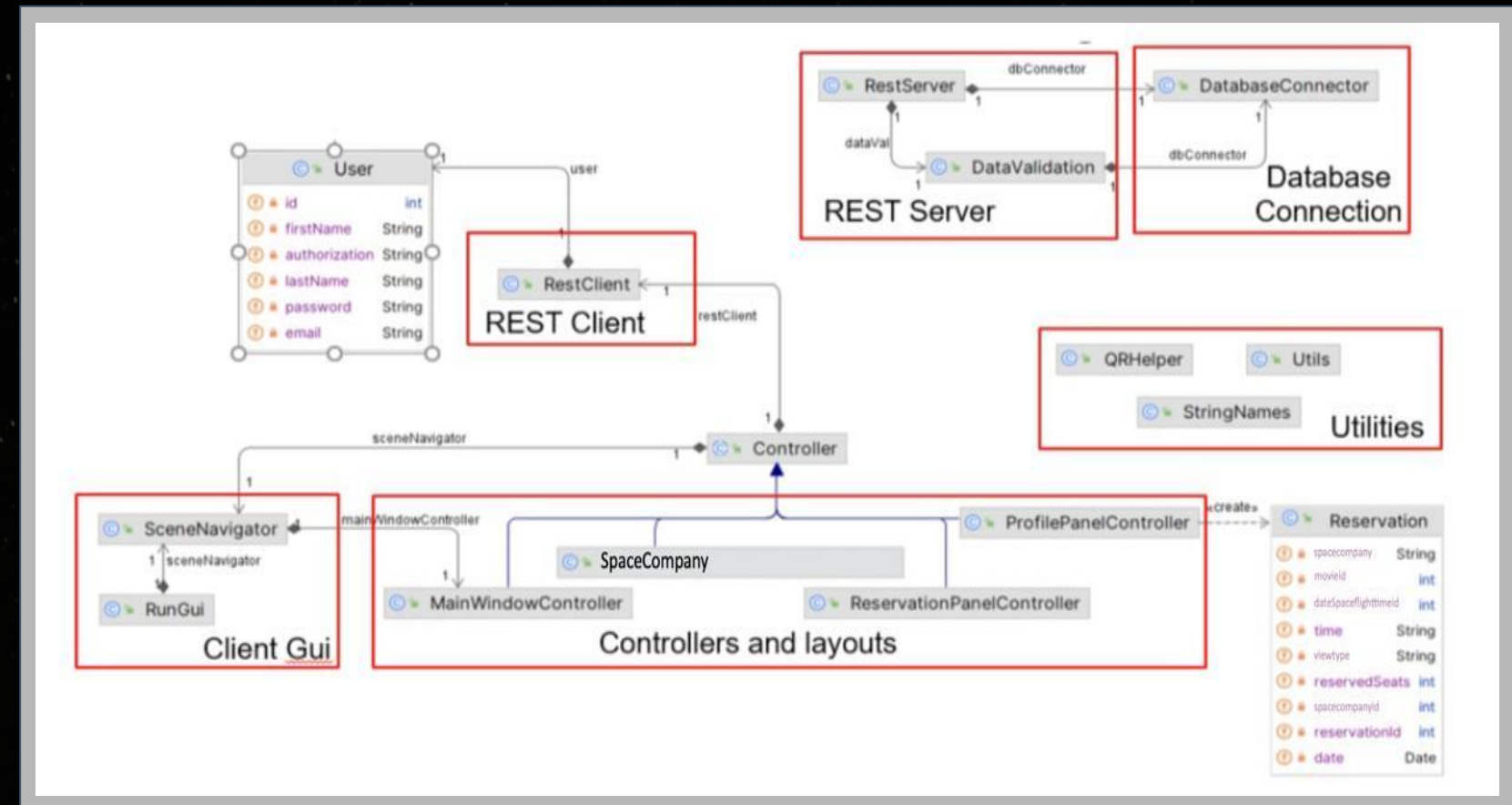
Technology & Architecture

Standalone Java Application

Our system is a standalone Java application designed for both efficiency and scalability.

Backend

Our robust backend architecture efficiently handles flight schedules, reservations, and user profiles to ensure smooth operations even with growing data loads.



New Feature: Date Filtering



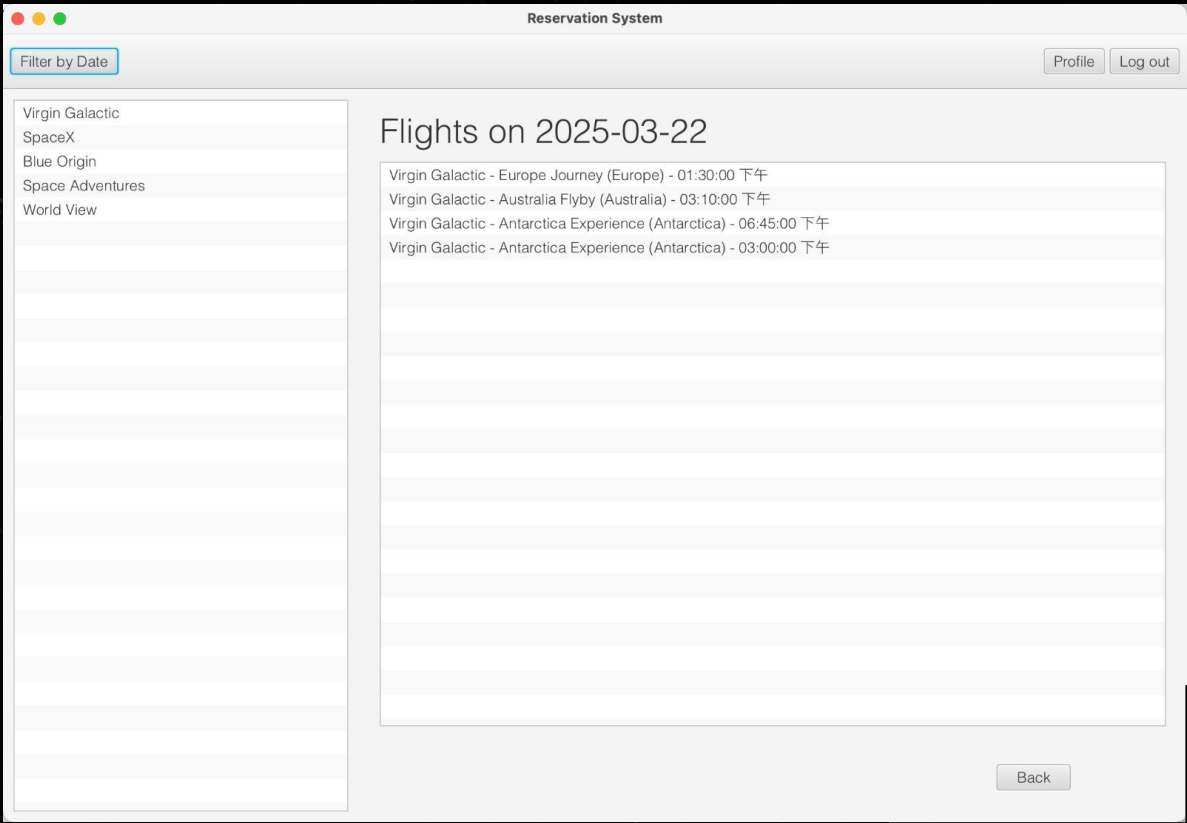
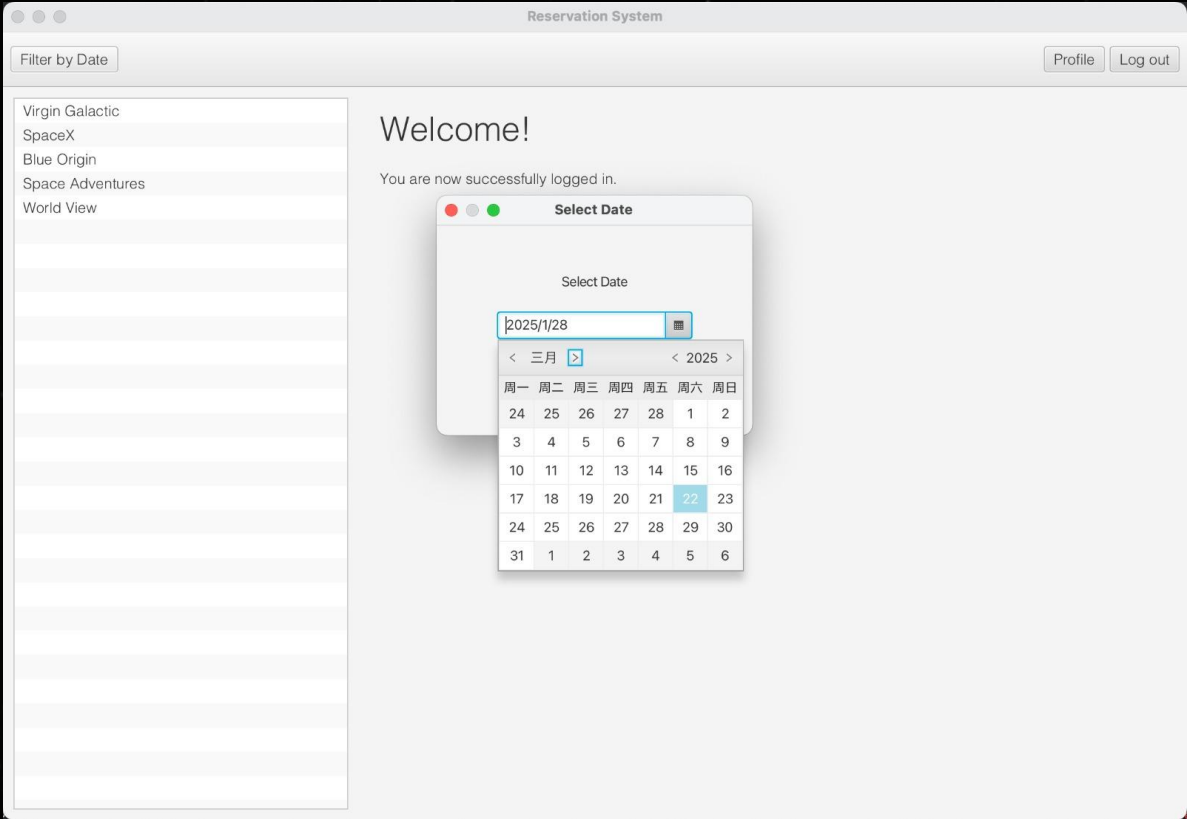
Faster Booking

Users can select a date and instantly see available flights.



Efficient Planning

Helps users plan trips efficiently, especially for special occasions.



New Feature: Seat Selection

1

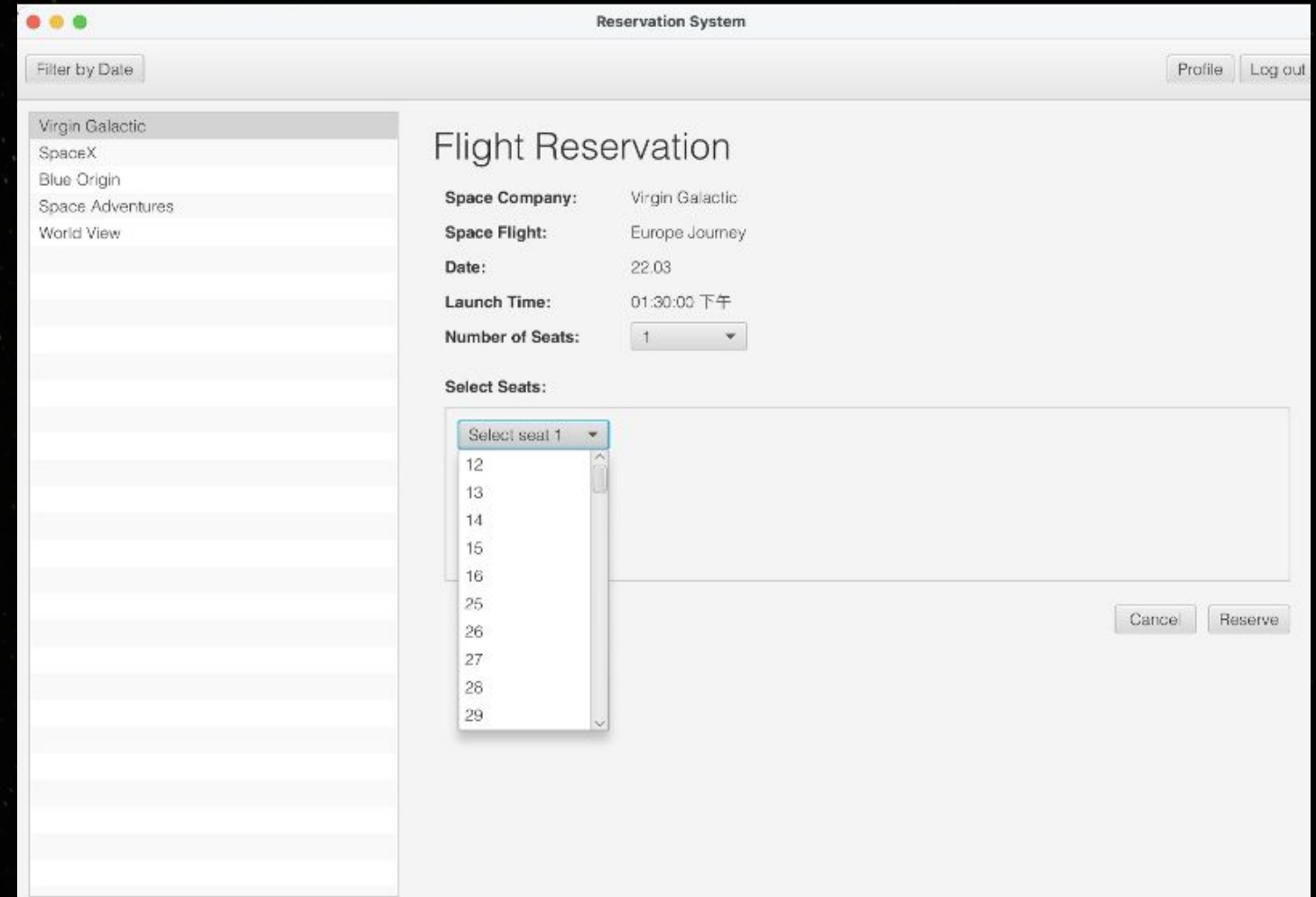
Personalization

Customers can pick their exact seat number during reservation.

2

Preferred View

Select a front-row seat for a breathtaking Earth view or a window seat for an immersive experience.



The screenshot displays a web application titled "Reservation System". On the left, a sidebar lists space companies: Virgin Galactic (selected), SpaceX, Blue Origin, Space Adventures, and World View. The main area is titled "Flight Reservation" and contains the following details:

- Space Company:** Virgin Galactic
- Space Flight:** Europe Journey
- Date:** 22.03
- Launch Time:** 01:30:00 下午
- Number of Seats:** 1 (with a dropdown arrow)

Below these details is a "Select Seats:" section. A dropdown menu is open, showing a list of seat numbers: 12, 13, 14, 15, 16, 25, 26, 27, 28, and 29. The dropdown is titled "Select seat 1". At the bottom right of the interface are "Cancel" and "Reserve" buttons. In the top right corner, there are "Profile" and "Log out" links.

Filter by Date

ProfileLog out

Virgin Galactic
SpaceX
Blue Origin
Space Adventures
World View

General information

First name: a
Last name: b
E-mail: a@b.com

Reservations

Date	Launch Time	Space Flight	Space Company	Seats	Seat Nu...
15.01.2024	01:30:00 下午	Europe Journey	Virgin Galactic	2	1, 2
01.02.2024	03:10:00 下午	Australia Flyby	Virgin Galactic	3	1, 2, 3
22.03.2025	01:30:00 下午	Europe Journey	Virgin Galactic	3	1, 2, 3
22.03.2025	01:30:00 下午	Europe Journey	Virgin Galactic	2	24, 4
22.03.2025	01:30:00 下午	Europe Journey	Virgin Galactic	1	17
22.03.2025	01:30:00 下午	Europe Journey	Virgin Galactic	1	18
22.03.2025	01:30:00 下午	Europe Journey	Virgin Galactic	1	19
22.03.2025	01:30:00 下午	Europe Journey	Virgin Galactic	1	20
22.03.2025	01:30:00 下午	Europe Journey	Virgin Galactic	1	21
22.03.2025	01:30:00 下午	Europe Journey	Virgin Galactic	1	22
22.03.2025	01:30:00 下午	Europe Journey	Virgin Galactic	1	23
19.04.2025	03:45:00 下午	Antarctica Experien...	World View	4	1, 2, 3, 4
19.04.2025	06:30:00 下午	Africa Quest	World View	2	1, 2

Available Tokens

0255075100

Redeem Tokens:

Select

Redeem

New Feature: Loyalty Tokens

1

Earn Tokens

Every seat booked earns a loyalty token.

2

Redeem Rewards

Tokens can be redeemed for discounts or free flight tickets.



Conclusion

Our Space Flight Reservation System is a game-changer in the world of space tourism. It solves key booking challenges and introduces three key enhancements: date filtering, seat selection, and loyalty tokens. We are excited about the possibilities this system unlocks!