User Acceptance Testing (UAT)

Date	04-12-2025
name	m.sriram
Project Name	Flight Booking System
Maximum Marks	

Project Overview:

Project Name: Flight Booking System

Description:
A web-based flight booking platform where passengers can search and book flights with different seat classes such as First Class, Economy, Premium, etc. The system supports user registration, flight search with round trip option, secure booking, ticket cancellation, and booking history.
The application also includes **Admin and Operator roles**.
Admin approves Operators and manages permissions, while Operators add and update flight details including arrival/departure location and timing.

Project Version: v1.0.0

Testing Period: 2025-12-03 to 2025-12-04

Testing Scope:

- User registration and login

- Admin approval for operator accounts

- Operator accessibility to add/update flight details

- Flight search with one-way and return options

- Seat class selection during booking

- Secure ticket booking process

- Ticket generation with booking status

- Booking history

- Ticket cancellation

- Authentication & authorization roles (User/Admin/Operator)

Requirements to be Tested:

Role	Requirement to be Tested
Passenger/User	Able to register, login, search, book & cancel flights
Operator	Add flights with arrival/departure, date/time, pricing & seat class
Admin	Approve operators and manage flight data accessibility
System	Secure login, seat availability, ticket generation & cancellation workflow

Testing Environment:

- **URL**: https://flightbookingsystem.example.com

Role	Email	Password
Admin	admin@example.com	adminpass
Operator	operator.test@example.com	operator123
Passenger	user.test@example.com	user123

Browser Support: Chrome / Edge / Firefox
Network: Standard public internet

Test Cases:

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
TC-001	User Registration	1. Open website 2. Click Register 3. Select Passenger 4. Enter valid details & submit	Account created and login page displayed	Registration successfully and redirected to Login page	PASS
TC-002	Operator Registration	1. Register as Operator 2. Submit details	Operator account created and pending approval status visible	Operator registered and status showed "Pending Approval"	PASS
TC-003	Admin Approval	1. Login as Admin 2. Navigate to Operator Requests 3. Approve Operator	Operator approved and can login	Operator permission given successfully	PASS
TC-004	Operator Add Flights	1. Login as Operator 2. Add flight info 3. Save	Flight appears in system visible to users	Flight added successfully and visible to users	PASS
TC-005	User Login	1. Login as Passenger with valid credentials	Redirects to homepage	Login successfully and redirected to dashboard	PASS
TC-006	Flight Search (Round Trip)	1. Enter From/To 2. Select dates 3. Search	Flights listed with return trip	Round-trip flights displayed correctly	PASS
TC-007	Booking with Seat Class	1. Select flight & seat class 2. Enter passenger info 3. Confirm booking	Ticket booked + stored in system	Ticket booked successfully with PNR generated	PASS
TC-008	Booking History View	1. Go to Profile 2. View booking history	Past bookings displayed	Booking history displayed correctly	PASS
TC-009	Ticket Cancellation	1. View booking history 2. Cancel ticket 3. Confirm	Ticket shows cancelled	Ticket cancelled successfully	PASS

Bug Tracking:

Bug ID	Bug Description	Steps to Reproduce	Severity	Status	Notes / Expected Fix
BG-001	Operator after adding flight, flight not shown in User search results	● Login as Operator ● Add a new flight ● Login as User ● Search for that flight	High	Open	Flight DB sync issue — backend must refresh cache
BG-002	Round Trip search only displays one-way result	● Select Round Trip ● Enter valid departure + return dates ● Click Search	Medium	In Progress	Return flight query not triggered during backend filtering
BG-003	Cancelled ticket still appears as "Confirmed" in booking history	● Book a ticket ● Cancel it ● Check booking history page	High	Open	Booking DB status update not reflected in UI — requires refreshing event

Sign-off:

Tester Name:

Date: 04-12-2025

Signature: Sasikumar

Notes:

- Ensure that all test cases cover both positive and negative scenarios.
- Encourage testers to provide detailed feedback, including any suggestions for improvement.
- Bug tracking should include details such as severity, status, and steps to reproduce.
- Obtain sign-off from both the project manager and product owner before proceeding with deployment.