**User Acceptance Testing (UAT) Template**

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| --- | --- |
| Date | 24-062025 |
| Team ID | LTVIP2025TMID53108 |
| Project Name | FlightFinder |
| Maximum Marks |  |

**Project Overview:**

Project Name: Flight Finder

Project Description: Flight Finder is a smart, real-time flight discovery platform that delivers personalized recommendations and price alerts using dynamic search and adaptive indexing.

**List of Features and Functionalities to be Tested**

* User Registration via Gmail
* Email Confirmation workflow
* Flight Search functionality (by source, destination, date)
* Sort operations (price, relevance, travel time)
* Price Drop Alerts for selected routes
* Personalized Flight Recommendations
* Redirection to external booking platforms
* Redirection success/failure tracking
* User Dashboard (saved searches, alerts, activity)
* Admin Panel (analytics dashboard, search index configurations)
* Customer Support (ticket handling and response)
* System responsiveness, performance under load, and API integration stability

**List of User Stories or Requirements to be Tested**

* FR-1: User Registration
* FR-2: User Confirmation
* FR-3: Flight Search
* FR-4: Alerts & Recommendations
* FR-5: Booking Redirection
* FR-6: User Dashboard
* FR-7: Admin Functions
* FR-8: Customer Support
* Sure thing, MD! Here’s a set of sample **Test Cases** tailored to the *FlightFinder* project:
* **✈️ FlightFinder Test Cases**

| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| --- | --- | --- | --- | --- | --- |
| TC-001 | Gmail-based User Registration | 1. Navigate to registration page 2. Click "Sign up with Gmail" 3. Complete OAuth login | User account is successfully created and redirected to dashboard | [Fill after test] | [✔️ / ❌] |
| TC-002 | Email Confirmation Flow | 1. Register with Gmail 2. Open verification email 3. Click confirmation link | Email verified, user account becomes active | [Fill after test] | [✔️ / ❌] |
| TC-003 | Search Flights by Source, Destination, Date | 1. Enter valid source and destination 2. Pick a travel date 3. Submit search | List of matching flights displayed with accurate details | [Fill after test] | [✔️ / ❌] |
| TC-004 | Sort Flights by Price | 1. Perform a search 2. Select "Sort by Price" 3. Observe flight list | Flights reordered from lowest to highest price | [Fill after test] | [✔️ / ❌] |
| TC-005 | Set Price Alert for Route | 1. Search for flight 2. Click "Set Price Alert" 3. Confirm alert setup | Alert created successfully with confirmation message | [Fill after test] | [✔️ / ❌] |
| TC-006 | Receive Personalized Flight Recommendations | 1. Login as user with prior history 2. Visit home/dashboard | Personalized flights shown based on past searches | [Fill after test] | [✔️ / ❌] |
| TC-007 | Redirect to External Booking Site | 1. Search and select a flight 2. Click "Book Now" link | Redirect occurs to airline/partner booking site | [Fill after test] | [✔️ / ❌] |
| TC-008 | Track Booking Redirect Outcome | 1. Perform a redirect 2. Check logs/analytics | Redirection is tracked and result is recorded (success/failure) | [Fill after test] | [✔️ / ❌] |
| TC-009 | Admin Views Search Analytics | 1. Login as Admin 2. Go to Analytics tab | Graphs/statistics of user searches and behavior displayed | [Fill after test] | [✔️ / ❌] |
| TC-010 | Customer Support Ticket Handling | 1. User submits support request 2. Admin logs in 3. Responds and closes | Ticket marked as "closed" and user notified | [Fill after test] | [✔️ / ❌] |

**Flight Finder – Bug Tracking Log**

| **Bug ID** | **Bug Description** | **Steps to Reproduce** | **Severity** | **Status** | **Additional Feedback** |
| --- | --- | --- | --- | --- | --- |
| BG-001 | Flight search results not loading | 1. Navigate to home 2. Enter source/destination 3. Click 'Search' | High | Open | Likely due to timeout or query misfire |
| BG-002 | Gmail login fails on mobile browser | 1. Open site on mobile 2. Click 'Login with Gmail' 3. Approve OAuth flow | Medium | In Progress | Works on desktop; mobile redirect breaks |
| BG-003 | Price alert button unresponsive | 1. Search any route 2. Click 'Set Price Alert' 3. Observe no response | Medium | Open | JavaScript error in alert function |
| BG-004 | Sorting by duration shows incorrect order | 1. Perform flight search 2. Select 'Sort by Travel Time' 3. View listed flights | Low | Open | Some flights with longer duration listed first |
| BG-005 | Admin panel analytics not loading | 1. Login as admin 2. Go to Analytics tab 3. Wait for load | High | Open | Backend API returns 500 error |
| BG-006 | Redirection tracking not recording events | 1. Click 'Book Now' 2. Redirect to airline site 3. Check dashboard logs | Medium | In Progress | Tracking missing for some providers |

**Sign-off:**

Tester Name: Mohammad Ali Akmal Baig

Date:24-06-2025

Signature: Md Ali

**Notes:**

**Comprehensive Coverage**: Ensure all test cases address both **positive and negative scenarios**, validating normal workflows as well as edge cases and invalid inputs.

* **Tester Feedback**: Encourage testers to document **detailed observations**, usability issues, and **suggestions for feature or interface improvement** throughout the testing cycle.
* **Bug Reporting**: All bugs must include:
  + A clear **description of the issue**
  + Detailed **steps to reproduce**
  + Defined **severity level** (Low, Medium, High)
  + Current **status** (Open, In Progress, Closed)
* **Deployment Approval**: Final deployment must only proceed after receiving **formal sign-off from both the Project Manager and the Product Owner**, confirming that all critical paths are verified and resolved.