**User Acceptance Testing (UAT) Template**

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| --- | --- |
| Date | 26 JUNE 2025 to 28 JUNE 2025 |
| Team ID | LTVIP2025TMID31510 |
| Project Name | Airlines Management System |
| Maximum Marks |  |

**Project Overview:**

* **Project Name:** Airlines Management System
* **Project Version:** 2.0.1
* **Testing Period:** 26 JUNE 2025 to 28 JUNE 2025

**Project Description:**

The **Salesforce Airlines Management System** is a comprehensive cloud-based solution designed to digitize and streamline flight operations, crew management, and passenger bookings for airline companies. Built on the Salesforce platform, it leverages custom objects, automation flows, dashboards, and role-based access controls to ensure efficient, real-time management of aviation processes.

The application allows airline staff to schedule flights, assign crew, and manage bookings from a centralized interface. Crew managers can assign pilots and flight staff based on availability, while booking agents can add and manage passenger records with ease. Administrators benefit from real-time dashboards, crew utilization reports, and automated alerts for issues like crew conflicts or low passenger count. The system utilizes Salesforce tools such as Apex, Process Builder, Flows, and Lightning Dashboards to deliver a highly scalable and customizable experience aligned with airline operational needs.

By improving scheduling accuracy, reducing manual effort, and increasing visibility into operations, the system enhances overall service efficiency, safety, and passenger satisfaction.

**Testing Scope:**

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

* User Registration and Login
* Flight Creation and Booking Management (CRUD)
* Crew Assignment and Conflict Alerts
* Dashboard and Operational Reporting
* Role-based Access Control

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

* **USN-1 to USN-5:** (User Registration, Login, Email Confirmation)
* **Flight Management User Stories:** (e.g., Add Flight, Assign Crew, Add Passenger, etc.)

## Testing Environment:

* **🔗 URL:**

[Salesforce Email Verification Link](https://orgfarm-1977ca6a6d-dev-ed.develop.my.salesforce.com/)

* **🔐 Credentials for Testing:**
  + **Username:** [maheshreddynaguluru276@agentforce.com](mailto:maheshreddynaguluru276@agentforce.com)
  + **Password:** TDg5IsMtw4ocorx

## Test Cases:

| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| --- | --- | --- | --- | --- | --- |
| **TC-001** | User Registration via Email | 1. Navigate to Registration Page2. Enter Email & Password3. Submit Form | User should receive confirmation email and account created successfully | User received email and was redirected to dashboard | **Pass** |
| **TC-002** | Add New Flight Record | 1. Login as Admin2. Go to Flight Management3. Click “Add Flight” and Fill Details4. Save | New flight record created and visible in flight list | Flight successfully added and shown in flight dashboard | **Pass** |
| **TC-003** | Crew Assignment | 1. Login as Crew Manager2. Open a Flight3. Assign available crew4. Save | Crew assigned and visible in flight details | Crew members correctly assigned and reflected on record | **Pass** |
| **TC-004** | Booking Passenger Ticket | 1. Login as Booking Agent2. Navigate to Booking Module3. Fill Passenger Details4. Submit | Booking is saved and confirmation displayed | Passenger booking created and appears in related flight bookings | **Pass** |

## Bug Tracking:

| **Bug ID** | **Bug Description** | **Steps to Reproduce** | **Severity** | **Status** | **Additional Feedback** |
| --- | --- | --- | --- | --- | --- |
| **BG-001** | Error when saving flight without departure date | 1. Login2. Add Flight3. Leave “Departs From” or Date empty4. Click Save | **High** | **Open** | Add frontend validation and warning |

## Sign-off:

* **Tester Name:** Mahesh Reddy Naguluru
* **Testing Duration:** 26 JUNE 2025 to 28 JUNE 2025
* **Signature:** Mahesh Reddy Naguluru