**User Acceptance Testing (UAT) Template**

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| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID59656 |
| Project Name | Enchanted Wings: Marvels of Butterfly Species |

**Project Overview:**

Project Name: Enchanted Wings: Marvels of Butterfly Species

**Project Description:**

An AI-powered platform for automatic butterfly species recognition, ecological insights, and citizen science engagement. Users can upload butterfly photos, identify species using ML models, explore migration patterns on interactive maps, and contribute to a growing biodiversity database.

Project Version: v1.0.0

Testing Period: 24-06-2025 – 26-06-2025

**Testing Scope:**

* User registration and login
* Image upload for butterfly recognition
* AI-based species classification
* Display of species profile with taxonomy and habitat
* Visualization of species locations on a map
* Public contribution module for new sightings
* Analytics dashboard for researchers
* Admin module for managing users and content
* Real-time feedback on species accuracy

#### **Requirements to be Tested:**

* As a user, I want to register, log in, and upload butterfly images for recognition.
* As a researcher, I want to explore species distribution and analyze trends.
* As a citizen scientist, I want to contribute sightings and help verify others.
* As an admin, I want to manage reported sightings and oversee platform data.

**Testing Environment:**

**URL:** https://enchantedwings.ai-platform-demo.com

**Credentials:**

* **User:** user1@wings.com / user123
* **Researcher:** researcher@wings.com / research123
* **Admin:** admin@wings.com / admin123

**Test Cases:**

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| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-001 | User Registration | 1. Visit site  2. Click "Sign Up"  3. Fill & submit form | Profile saved | Account created, redirected to dashboard | [Pass/Fail] |
| TC-002 | |  | | --- | |  |  |  | | --- | | Image  Upload &  Recognition | | 1. Login  2. Upload butterfly image  3. Wait for identification result | Species name, image, and details displayed | Account created, redirected to dashboard | [Pass/Fail] |
| TC-003 | Map Visualization | 1. Navigate to "Map"  2. Filter by species/date | Sightings and hotspots displayed on the map | Appointmeet will br booked | [Pass/Fail] |

**Bug Tracking:**

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| --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Bug Description** | **Steps to reproduce** | **Severity** | **Status** | **Additional feedback** |
| BG-001 | |  | | --- | |  |  |  | | --- | | Map filter does not update results | | 1. Search with range + specilty | Medium | Open | Only older records areshown |
| ... | ... | ... | ... | ... | ... |