**User Acceptance Testing (UAT) Template**

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| --- | --- |
| Date | 10 February 2025 |
| Team ID | LTVIP2025TMID33915 |
| Project Name | Hemotovision |
| Maximum Marks | - |

**✅ Project Overview**

* **Project Name: HematoVision**
* **Project Description: An AI-powered web application for classifying blood cells using deep learning and image processing.**
* **Project Version: v1.0**
* **Testing Period: 01-June-2025 to 10-June-2025**

**✅ Testing Scope**

**Features and Functionalities to be Tested:**

* **Image upload functionality**
* **Blood cell classification output**
* **Confidence score display**
* **Error handling for invalid inputs**
* **User interface responsiveness**
* **Reset and re-upload option**

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

* **As a user, I want to upload a blood smear image and get accurate classification.**
* **As a student, I want to receive confidence scores for learning.**
* **As a technician, I want quick results with minimal manual effort.**

**✅ Testing Environment**

* **URL/Location:** [**http://localhost:5000**](http://localhost:5000) **or local Flask server**
* **Credentials (if required): No login required; public access during testing**

**Test Cases:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-001 | Test image upload and prediction flow | 1. Open HematoVision app  2. Click "Upload" and select valid image  3. Click "Submit" button | Blood cell image is uploaded and classified; result and confidence score are displayed | Image uploaded successfully; prediction shown with confidence score | Pass |
| TC-002 | Check model response time | 1. Upload valid image  2. Start timer  3. Note time till result | Result shown within 1 second | Result appeared in 0.42 sec | Pass |

**Bug Tracking:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Bug Description** | **Steps to reproduce** | **Severity** | **Status** | **Additional feedback** |
| BG-001 | Confidence score not displaying | 1. Open app  2. Upload a valid image  3. Click "Submit" | Meduim | Open | Prediction shown, but confidence missing |
| .BG-002 | Mobile layout overlaps buttons | Mobile layout overlaps buttons | Low | Closed | Fixed with media queries |

**✅ Sign-off**

* **Tester Name**: Abdul Ajeem MD
* **Date**: 10-June-2025
* **Signature**: *[Digital or handwritten signature here]*

**📝 Notes**

* Ensure that all test cases cover both **positive** and **negative** scenarios.
* Encourage testers to provide **detailed feedback**, including any **suggestions for improvement**.
* All bugs must be tracked with clear details such as **severity**, **status**, and **steps to reproduce**.
* Before deployment, obtain **sign-off** from both the **Project Manager** and **Product Owner**.