Acceptance Testing
UAT Execution & Report Submission

Date	19 February 2026
Team ID	LTVIP2026TMIDS52481
Project Name	Dog Breed Identification Using Transfer Learning
Maximum Marks	4 Marks

1. Purpose of Document

The purpose of this document is to summarize the **test coverage, defect status, and validation results** of the Dog Breed Classification system before final deployment.
It ensures that the application correctly classifies dog breeds from uploaded images using a **CNN-based MobileNetV2 model integrated with a Flask web interface**, and that the system is ready for user acceptance.

2. Defect Analysis

During testing, only **minor UI and configuration issues** were observed and resolved.
No critical defects affecting prediction accuracy or system functionality were found.

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
Fixed	0	1	2	2	5
Duplicate	0	0	1	0	1
External	0	1	0	0	1
Not Reproduced	0	0	1	0	1
Skipped	0	0	0	1	1
Won't Fix	0	0	0	1	1

Total: 10 Defects

3. Test Case Analysis

This report shows the number of test cases that have passed, failed, and untested for Dog Breed Identification Project

Section	Total Cases	Not Tested	Fail	Pass
Image Upload & UI	10	0	0	10
Model Prediction API	15	0	0	15
Breed Classification Accuracy	12	0	1	11
Security & Input Validation	5	0	0	5
Deployment & Hosting	8	0	0	8

Overall Result:

- **Passed:** 49
- **Failed:** 1 (minor misclassification on unclear image)
- **Not Tested:** 0

This confirms the system is **functionally ready for deployment and user usage**.

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4. Final Acceptance Status

The Dog Breed Classification system:

- Correctly processes uploaded dog images
- Predicts breed using **MobileNetV2 transfer learning**
- Displays results through a **Flask-based web interface**
- Is successfully deployed and accessible for users

Therefore, the project is **approved for User Acceptance Testing completion and final submission**.