

Test Case ID	Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
FT-01	Image Upload Validation	Upload valid and invalid images	Valid accepted, error shown		
FT-02	Model Prediction Accuracy	Upload known image	Correct species prediction		
FT-03	UI Behavior	Navigate app, submit image	All UI elements work		
FT-04	API Test	Call API via Postman	Returns JSON response		
FT-05	Invalid Input	Upload corrupt image	Error message displayed		
PT-01	Inference Time	Measure response	< 2 seconds		
PT-02	Concurrent Uploads	Multiple users upload	System remains stable		
PT-03	Model Load Time	Restart server	Model ready in <10s		
UAT-01	Field Testing	Test in real-world	Real-time identification		
UAT-02	Educational Use	Upload from books	Gives correct species		