

Functional & Performance Testing(Flask App)

Date	31 January 2025
Team ID	LTVIP2026TMIDS74869
Project Name	Transfer Learning for Identifying Rotten Fruits and Vegetables

Test Case ID	Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
FT-01	Image Upload Validation	Upload valid and invalid image files (JPG, PNG, non-image files)	Valid images accepted; invalid files rejected with error message	System accepted valid images and rejected unsupported formats	Pass
FT-02	Prediction Functionality	Upload a fruit/vegetable image and click Predict	System displays Healthy/Rotten label with confidence score	Correct label and probability score displayed	Pass
FT-03	Model Accuracy Check	Test with known healthy and rotten sample images	Model classifies images correctly based on training	Majority of test samples classified correctly	Pass
FT-04	Response Time	Upload image and measure prediction time	Prediction result displayed in less than 1 second	Average prediction time < 1 sec	Pass
FT-05	UI Navigation	Navigate between Home, About, Predict, Contact pages	All pages load without errors	Navigation working correctly	Pass
FT-06	Image Display	After prediction, verify uploaded image display	Uploaded image displayed along with result	Image displayed correctly with prediction	Pass
FT-07	Error Handling	Submit without selecting an image	System shows warning message	Warning message displayed properly	Pass
FT-08	Model Loading	Restart application and test prediction	Model loads without errors during startup	Model loaded successfully	Pass