Functional & Performance Testing (Flask App)

Project Name	Online Payments Fraud Detection using Machine Learning
Date	14 February 2026
Team ID	LTVIP2026TMIDS65779

Test Scenarios & Results

Test Case ID	Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
FT-01	Transaction Input Validation	Enter valid and invalid transaction values (amount, time, location, device)	Valid inputs accepted; invalid inputs rejected with error message	Application successfully accepted valid inputs and displayed validation error messages for invalid inputs	pass
FT-02	Fraud Prediction Endpoint	Submit transaction via API/UI	Fraud/Legitimate result displayed with probability score	System correctly displayed prediction result (Fraud/Legitimate) along with probability score	pass
FT-03	Alert Trigger	Submit a high-risk transaction	Fraud alert generated instantly	High-risk transaction triggered fraud alert immediately on prediction page	pass
FT-04	Database Logging	Submit transaction	Transaction stored successfully in database	Transaction data stored successfully and retrievable from database/log system	pass