

Functional & Performance Testing Template

Model Performance Test

Date	19 February 2026
Team ID	LTVIP2026TMIDS80240
Project Name	Prosperity Prognosticator: Machine Learning for Startup Success Prediction
Maximum Marks	

Test Scenarios & Results

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	Form Input Validation	Enter valid numeric values in all fields.	Form accepts input and proceeds to prediction	Form accepted valid inputs	Pass
FT-02	Invalid Input Validation (e.g., word count, size, rooms)	Enter text or leave fields empty	Error message displayed	Error message shown correctly	Pass
FT-03	Prediction Generation	Enter startup data and click Predict.	Model returns Acquired or Closed with probability	Prediction displayed correctly	Pass
FT-04	Model Integration Check	Submit form and verify model output	Flask app calls model and shows result	Model output shown in UI	Pass
PT-01	Response Time Test	Submit valid inputs and measure time	Result displayed within 1 second	Response time < 1 second	Pass
PT-02	Multiple Input Test	Run multiple predictions consecutively	Application works without crash	App handled multiple requests	Pass

PT-03	Boundary Value Test	Enter very high funding values	System still gives prediction	Prediction generated successfully	Pass
--------------	---------------------	--------------------------------	-------------------------------	-----------------------------------	------