

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 correctly | 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 successfull y | Pass |
|--------------|---------------------|--------------------------------|-------------------------------|---------------------------------------|------|