Functional & Performance Testing Template

Model Performance Test

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| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID60019 |
| Project Name | SmartSDLC – AI-Enhanced Software  Development Lifecycle |
| Maximum Marks |  |

**Test Scenarios & Results**

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| **Test Case ID** | **Scenario (What to test)** | **Test Steps (How to test)** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **FT-01** | Sprint and Task Input Validation | Enter valid and invalid names for sprints and tasks | Accepts valid text; displays errors for blank/invalid entries |  |  |
| **FT-02** | Story Point Range Validation | Input story points | error shown for out-of-range values |  |  |
| **FT-03** | Velocity Calculation Accuracy | Add multiple sprints and verify velocity calculation | Total story points / total sprints is calculated correctly |  |  |
| **FT-04** | Flask App Form Submission | Submit task and sprint data via form on Flask web app | Form submits successfully and data is processed |  |  |
| **PT-01** | Sprint Summary Generation Time | Measure the time it takes to generate a sprint report | Output should appear in under 3 seconds |  |  |
| **PT-02** | Flask App Load Performance | Access multiple pages of the app (home, sprint, velocity) rapidly | Pages should load without significant delay |  |  |

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| **PT-03** | Concurrent Access Stability | Simulate 5 users submitting data at once | App handles all requests without crash or delay |  |  |