

## Functional & Performance Testing Template

### Model Performance Test

|               |                                                          |
|---------------|----------------------------------------------------------|
| Date          | 23 June 2025                                             |
| Team ID       | LTVIP2025TMID59024                                       |
| Project Name  | Project -Fight finder-navigating your air travel options |
| 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        | Text Input Validation (e.g., topic, job title)          | Enter valid and invalid text in input fields     | Valid inputs accepted, errors for invalid inputs   | Accepted valid job titles; showed error for blanks  | pass      |
| FT-02        | Number Input Validation (e.g., word count, size, rooms) | Enter numbers within and outside the valid range | Accepts valid values, shows error for out-of-range | Accepted valid room count; error for negative value | pass      |
| FT-03        | Content Generation (e.g., blog, resume, design idea)    | Provide complete inputs and click "Generate"     | Correct content is generated based on input        | Flight details generated for valid inputs           | pass      |
| FT-04        | API Connection Check                                    | Check if API key is correct and model responds   | API responds successfully                          | API key valid; response received in 300ms           | pass      |
| PT-01        | Response Time Test                                      | Use a timer to check content generation time     | Should be under 3 seconds                          | Model generated content in 1.8 seconds              | Pass      |

|              |                                    |                                           |                                       |                                              |      |
|--------------|------------------------------------|-------------------------------------------|---------------------------------------|----------------------------------------------|------|
| <b>PT-02</b> | API Speed Test                     | Send multiple API calls at the same time  | API should not slow down              | API handled 10 requests/sec without crashing | pass |
| <b>PT-03</b> | File Upload Load Test (e.g., PDFs) | Upload multiple PDFs and check processing | Should work smoothly without crashing | Uploaded 3 PDFs, processed successfully      | pass |