

Network Traffic Profiler Dashboard

UNIT TEST DOCUMENTATION

1. Overview / Purpose

- Briefly explain what the unit tests cover.
 - Describe the overall goals & objectives
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2. Test Files/ Folder Structure

- Outline the organization of test files and test cases.
 - Include folder structure or naming conventions.
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3. Test Cases

Test File: `unitTest_test_model.py`

Test Case File: `test_model.py`

Field	Description
Test Name	Unique and descriptive name
Description	What the test checks
Preconditions	Any setup required (mock data, test database state, configs)
Inputs	Data or parameters used in the test
Expected Output	What result or behavior is expected
Notes	

OR

Test Name	Module	Test Description	Input	Expected Output	Actual Output	Status
Unique and descriptive name	Specify the module or component being tested	Any setup required (mock data, test database state, configs)	Data or parameters used in the test	What result or behavior is expected		

4. Test Data / Fixtures

- Describe any test data used or fixtures created.
 - Mention format (JSON, CSV, mock objects) and purpose
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5. Test Execution

- Instructions for running tests, including commands, tools, used.
 - Include environment requirements if needed.
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6. Test Coverage

- Describe what percentage of code is covered.
 - Optional: include a diagram or table showing which modules/functions are tested.
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7. Known Issues / Limitations

- List areas that are not tested or any limitations in the current test suite.
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8. Maintenance / Adding New Tests

- Guidelines for contributing new test cases.
- Recommended naming conventions and folder structure.
- How to document new tests using the template above.