Operational Qualification Report

Validation Information

- **Project:** Example Application
- **Software:** Example Application
- **Version:** 1.0.0
- **Validation Date:** 2025-12-28
- **Report Generated:** 2025-12-28T09:43:53.445169

Approvals

Role	Name	Date	Signature
Tester	John Smith	2025-01-15	
Reviewer	Jane Doe	2025-01-16	
Approver	Robert Johnson	2025-01-17	

Specifications

Design Specification

- **Title:** Design Specification
- **Version:** 1.0
- **Requirements:** 3

Functional Specification

- **Title:** Functional Specification
- **Version:** 1.0
- **Requirements:** 4

User Specification

- **Title:** User Specification
- **Version:** 1.0
- **Requirements:** 3

Test Execution Summary

- **Total Tests:** 10
- **Passed:** 5
- **Failed:** 0
- **Skipped:** 0
- **Not Executed:** 5
- **Test Pass Rate:** 100.0%

Requirement Coverage

- **Total Requirements:** 13
- **Requirements with Tests:** 5
- **Requirement Coverage Rate:** 38.5%
- **Requirements Verified:** 5
- **Verification Rate:** 50.0%

Test Cases

Test Case ID	Title	Requirements	Status	Evidence
TEST-FS-001	Test FS-001: User Login Functionality	FS-001	PASSED	-
TEST-FS-002	Test FS-002: Input Data Validation	FS-002	PASSED	-
TEST-FS-003	Test FS-003: Audit Logging	FS-003	Not Executed	-

Test Case ID	Title	Requirements	Status	Evidence
TEST-FS-004	Test FS-004: User Profile Management	FS-004	Not Executed	-
TEST-DS-001	Test DS-001: User Authentication System	DS-001	Not Executed	-
TEST-DS-002	Test DS-002: Data Validation	DS-002	Not Executed	-
TEST-DS-003	Test DS-003: Audit Trail	DS-003	Not Executed	-
TEST-IS-001	Test IS-001: System Requirements Verification	IS-001	PASSED	EV-0001, EV-0002
TEST-IS-002	Test IS-002: Application Installation	IS-002	PASSED	-
TEST-IS-003	Test IS-003: Configuration Verification	IS-003	PASSED	EV-0003, EV-0004

Objective Evidence

Total evidence items: 4

test_example.py::test_plugin_imports

EV-0003: Specification files directory

- **Type:** directory_listing
- **Requirements:** IS-003
- **Timestamp:** 2025-12-28T09:43:53.330940

```
Directory: /Users/william/code/pytest_gxp/examples/gxp_spec_files
========================================================

total 32
drwxr-xr-x@ 6 william  staff   192 Dec 28 09:11 .
drwxr-xr-x@ 9 william  staff   288 Dec 28 09:34 ..
-rw-r--r--@ 1 william  staff  1538 Dec 27 10:30 design_specification.md
-rw-r--r--@ 1 william  staff  2731 Dec 27 10:35 functional_specification.md
-rw-------@ 1 william  staff  1799 Dec 28 09:11 installation_specification.md
-rw-r--r--@ 1 william  staff  1918 Dec 27 10:35 user_specification.md
```

test_example.py::test_python_version_requirement

EV-0001: Python version verification

- **Type:** command_output
- **Requirements:** IS-001
- **Timestamp:** 2025-12-28T09:43:53.284173

```
Python 3.14.0
```

test_example.py::test_required_packages_installed

EV-0002: Required packages verification

- **Type:** command_output
- **Requirements:** IS-001
- **Timestamp:** 2025-12-28T09:43:53.289179

```
pytest version: 9.0.2
pytest-gxp version: 0.1.0
```

test_example.py::test_specification_parser_initialization

EV-0004: Report files directory

- **Type:** directory_listing
- **Requirements:** IS-003
- **Timestamp:** 2025-12-28T09:43:53.438940

```
Directory: /Users/william/code/pytest_gxp/examples/gxp_report_files
======================================================
total 120
drwxr-xr-x@ 13 william  staff     416 Dec 28 09:28 .
drwxr-xr-x@  9 william  staff     288 Dec 28 09:34 ..
-rw-r--r--@  1 william  staff     818 Dec 28 09:41 csv_validation_report.csv
-rw-r--r--@  1 william  staff    4528 Dec 28 09:41 csv_validation_report.json
-rw-r--r--@  1 william  staff    3885 Dec 28 09:41 csv_validation_report.md
-rw-r--r--@  1 william  staff   18639 Dec 28 09:41 csv_validation_report.pdf
drwxr-xr-x@ 26 william  staff     832 Dec 28 09:43 evidence
-rw-r--r--@  1 william  staff    2227 Dec 28 09:41 evidence_manifest.json
-rw-r--r--@  1 william  staff    1156 Dec 27 10:52 README.md
-rw-r--r--@  1 william  staff    1493 Dec 28 09:41 requirement_coverage.md
-rw-r--r--@  1 william  staff    1103 Dec 28 09:41 traceability_matrix.csv
-rw-r--r--@  1 william  staff    3666 Dec 28 09:41 traceability_matrix.json
-rw-r--r--@  1 william  staff    1861 Dec 28 09:41 traceability_matrix.md
```