

DETAILED GRADE BREAKDOWN

Assignment 5

Student ID: 101215

Repository: ollama-rag-experiment

Assessment Date: 2025-12-23

FINAL SCORE: 34.0 / 100

Performance Tier: Below Standard

Skills Summary

| Skill | Score | Status |
|--------------------|---------|-------------|
| Project Planning | 0.0/10 | ✗ Poor |
| Research Analysis | 8.0/10 | ✓ Excellent |
| Testing Quality | 0.0/10 | ✗ Poor |
| Ui Ux | 2.0/10 | ✗ Poor |
| Quality Standards | 0.0/10 | ✗ Poor |
| Extensibility | 2.0/10 | ✗ Poor |
| Costs Pricing | 1.5/10 | ✗ Poor |
| Config Security | 6.5/10 | ✓ Good |
| Code Documentation | 10.0/10 | ✓ Excellent |
| Version Management | 4.0/10 | ■ Fair |

Skill: Project Planning

Score: 0.0/10 points

Status: X Poor

Points Breakdown

| Criterion | Max Points | Earned | Status |
|-------------------------|-------------|------------|----------------|
| PRD.md exists | 2.0 | 0.0 | X |
| ARCHITECTURE.md exists | 5.0 | 0.0 | X |
| Problem Statement | 1.0 | 0.0 | X |
| Functional Requirements | 1.5 | 0.0 | X |
| Success Metrics | 0.5 | 0.0 | X |
| TOTAL | 10.0 | 0.0 | |

What Was Missing

- All criteria met!

How to Improve (+10.0 points)

1. Create PRD.md with Problem Statement, Functional Requirements, and Success Metrics (+4.0 points)
2. Document architecture in README or ARCHITECTURE.md (+5.0 points)

Skill: Research Analysis

Score: 8.0/10 points

Status: ✓ Excellent

Points Breakdown

| Criterion | Max Points | Earned | Status |
|--------------------------|-------------|------------|--------|
| Jupyter notebooks exist | 4.0 | 3.2 | ✗ |
| Multiple notebooks (>2) | 2.0 | 1.6 | ✗ |
| Has visualizations/plots | 2.0 | 1.6 | ✗ |
| Analysis documentation | 2.0 | 1.6 | ✗ |
| TOTAL | 10.0 | 8.0 | |

What Was Found

- Found 1 research document(s)

What Was Missing

- All criteria met!

How to Improve (+2.0 points)

1. Create more research documentation (currently 1, need >2) (+2.0 points)

Skill: Testing Quality

Score: 0.0/10 points

Status: X Poor

Points Breakdown

| Criterion | Max Points | Earned | Status |
|---------------------------|-------------|------------|------------------------------------|
| Test files exist | 3.0 | 0.0 | X |
| Multiple test files (>3) | 2.0 | 0.0 | X |
| Test framework configured | 2.0 | 0.0 | X |
| Test functions (>10) | 3.0 | 0.0 | X |
| TOTAL | 10.0 | 0.0 | |

What Was Missing

- All criteria met!

How to Improve (+10.0 points)

1. Create test files for your code (+3.0 points)
2. Create test files for your code (+2.0 points)
3. Configure a test framework (pytest, jest, etc.) (+2.0 points)
4. Write test functions (target: >10) (+3.0 points)

Skill: Ui Ux

Score: 2.0/10 points

Status: ✗ Poor

Points Breakdown

| Criterion | Max Points | Earned | Status |
|-------------------------|-------------|------------|--------|
| Screenshots/images (1+) | 3.0 | 0.6 | ✗ |
| Screenshots/images (5+) | 3.0 | 0.6 | ✗ |
| UI documentation | 2.0 | 0.4 | ✗ |
| User guide exists | 2.0 | 0.4 | ✗ |
| TOTAL | 10.0 | 2.0 | |

What Was Found

- UI documentation found: requirements.txt

What Was Missing

- All criteria met!

How to Improve (+8.0 points)

1. Add screenshots of your application (+3.0 points)
2. Add at least 5 screenshots showing different features (+3.0 points)
3. Add UI screenshots to README.md (+2.0 points)

Skill: Quality Standards

Score: 0.0/10 points

Status: ✗ Poor

Points Breakdown

| Criterion | Max Points | Earned | Status |
|-----------------------|-------------|------------|--------|
| Linting configuration | 2.0 | 0.0 | ✗ |
| CI/CD pipeline | 3.0 | 0.0 | ✗ |
| Code style guide | 2.0 | 0.0 | ✗ |
| Pre-commit hooks | 2.0 | 0.0 | ✗ |
| Project setup file | 1.0 | 0.0 | ✗ |
| TOTAL | 10.0 | 0.0 | |

What Was Missing

- All criteria met!

How to Improve (+10.0 points)

1. Configure linting tools (pylint, eslint, etc.) (+2.0 points)
2. Set up CI/CD pipeline (GitHub Actions, GitLab CI, etc.) (+3.0 points)
3. Create code style guide or CONTRIBUTING.md (+3.0 points)
4. Set up pre-commit hooks for automatic quality checks (+1.0 point)
5. Configure quality assurance tools (+1.0 point)

Skill: Extensibility

Score: 2.0/10 points

Status: X Poor

Points Breakdown

| Criterion | Max Points | Earned | Status |
|-----------------------------|-------------|------------|------------------------------------|
| Plugin/extension system | 3.0 | 0.6 | X |
| Modular structure (3+ dirs) | 3.0 | 0.6 | X |
| Interfaces/APIs | 2.0 | 0.4 | X |
| Extension documentation | 2.0 | 0.4 | X |
| TOTAL | 10.0 | 2.0 | |

What Was Found

What Was Missing

- All criteria met!

How to Improve (+8.0 points)

1. Create plugin/extension system for modularity (+3.0 points)
2. Further refactor to smaller modules (+1.0 point)
3. Define interfaces/APIs for extensibility (+2.0 points)
4. Document extension/customization approach (+2.0 points)

Skill: Costs Pricing

Score: 1.5/10 points

Status: X Poor

Points Breakdown

| Criterion | Max Points | Earned | Status |
|------------------------|-------------|------------|------------------------------------|
| Cost analysis document | 5.0 | 0.8 | X |
| Cost mentions in docs | 3.0 | 0.4 | X |
| Budget tracking | 2.0 | 0.3 | X |
| TOTAL | 10.0 | 1.5 | |

What Was Found

What Was Missing

- All criteria met!

How to Improve (+8.5 points)

1. Create cost analysis document (e.g., COSTS.md, budget.xlsx) (+5.0 points)
2. Expand cost documentation with more details (+1.5 points)
3. Create budget tracking system/document (+2.0 points)

Skill: Config Security

Score: 6.5/10 points

Status: ✓ Good

Points Breakdown

| Criterion | Max Points | Earned | Status |
|---------------------------------|------------|--------|--------|
| No hardcoded secrets (CRITICAL) | 5.0 | 3.2 | ✗ |
| .env.example exists | 2.0 | 1.3 | ✗ |
| .gitignore exists | 1.0 | 0.7 | ✗ |
| Uses environment variables | 2.0 | 1.3 | ✗ |
| TOTAL | 10.0 | 6.5 | |

What Was Found

- No hardcoded secrets found in production code
- .gitignore file found with .env properly ignored

What Was Missing

- No hardcoded secrets found in production code

How to Improve (+3.5 points)

1. Create .env.example file to document required environment variables (+2.0 points)
2. Increase environment variable usage (+0.5 points)
3. Improve overall security practices (+1.0 point)

Skill: Code Documentation

Score: 10.0/10 points

Status: ✓ Excellent

Points Breakdown

| Criterion | Max Points | Earned | Status |
|---------------------------|-------------|-------------|--------|
| README.md >1KB | 3.0 | 3.0 | ✓ |
| Installation instructions | 1.0 | 1.0 | ✓ |
| Usage examples | 1.0 | 1.0 | ✓ |
| Code structure documented | 2.0 | 2.0 | ✓ |
| Python docstrings (>50%) | 3.0 | 3.0 | ✓ |
| TOTAL | 10.0 | 10.0 | |

What Was Found

- README.md found (7092 bytes)
- Installation instructions found in README
- Usage examples found in README

What Was Missing

- All criteria met!

Skill: Version Management

Score: 4.0/10 points

Status: ■ Fair

Points Breakdown

| Criterion | Max Points | Earned | Status |
|----------------------------|-------------|------------|--------|
| Git commits >10 | 2.0 | 0.8 | ✗ |
| Meaningful commit messages | 2.0 | 0.8 | ✗ |
| PROMPT_BOOK.md exists | 5.0 | 2.0 | ✗ |
| Branching strategy | 1.0 | 0.4 | ✗ |
| TOTAL | 10.0 | 4.0 | |

What Was Found

What Was Missing

- All criteria met!

How to Improve (+6.0 points)

1. Make more commits to document project evolution (+1.0 point)
2. Create PROMPT_BOOK.md to document AI interactions (+5.0 points)

Overall Assessment Summary

Key Strengths (8+ points)

- Research Analysis: 8.0/10
- Code Documentation: 10.0/10

Critical Gaps (<5 points)

- Project Planning: 0.0/10
- Testing Quality: 0.0/10
- Ui Ux: 2.0/10
- Quality Standards: 0.0/10
- Extensibility: 2.0/10
- Costs Pricing: 1.5/10
- Version Management: 4.0/10

Recommended Actions

Immediate Priority:

- Address Project Planning (0/10 points)
- Address Testing Quality (0/10 points)
- Address Quality Standards (0/10 points)

High Priority:

- Improve Ui Ux (2.0/10 points)
- Improve Extensibility (2.0/10 points)
- Improve Costs Pricing (1.5/10 points)
- Improve Version Management (4.0/10 points)