

DETAILED GRADE BREAKDOWN

Assignment 5

Student ID: 109982

Repository: MultiAgentCourse

Assessment Date: 2025-12-23

FINAL SCORE: 79.0 / 100

Performance Tier: Potential

Skills Summary

| Skill | Score | Status |
|--------------------|---------|-------------|
| Ui Ux | 10.0/10 | ✓ Excellent |
| Quality Standards | 3.5/10 | ✗ Poor |
| Version Management | 10.0/10 | ✓ Excellent |
| Project Planning | 7.0/10 | ✓ Good |
| Testing Quality | 10.0/10 | ✓ Excellent |
| Research Analysis | 10.0/10 | ✓ Excellent |
| Extensibility | 7.0/10 | ✓ Good |
| Costs Pricing | 7.5/10 | ✓ Good |
| Config Security | 4.0/10 | ■ Fair |
| Code Documentation | 10.0/10 | ✓ Excellent |

Skill: Ui Ux

Score: 10.0/10 points

Status: ✓ Excellent

Points Breakdown

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

What Was Found

- Found 25 image(s)/screenshot(s)
- Excellent visual documentation with 5+ images
- UI documentation found: Assignment1\INTEGRATION_GUIDE.md, Assignment1\QUICKSTART.md, Assignment1\backend\QUICKSTART.md

What Was Missing

- All criteria met!

Skill: Quality Standards

Score: 3.5/10 points

Status: ✗ Poor

Points Breakdown

| Criterion | Max Points | Earned | Status |
|-----------------------|-------------|------------|--------|
| Linting configuration | 2.0 | 0.7 | ✗ |
| CI/CD pipeline | 3.0 | 1.0 | ✗ |
| Code style guide | 2.0 | 0.7 | ✗ |
| Pre-commit hooks | 2.0 | 0.7 | ✗ |
| Project setup file | 1.0 | 0.3 | ✗ |
| TOTAL | 10.0 | 3.5 | |

What Was Found

What Was Missing

- All criteria met!

How to Improve (+6.5 points)

1. Set up CI/CD pipeline (GitHub Actions, GitLab CI, etc.) (+3.0 points)
2. Create dedicated style guide or CONTRIBUTING.md (+1.5 points)
3. Set up pre-commit hooks for automatic quality checks (+1.0 point)
4. Add more quality tools (+1.0 point)

Skill: Version Management

Score: 10.0/10 points

Status: ✓ Excellent

Points Breakdown

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

What Was Found

- Prompt documentation found: Assignment1\Documentation\Prompts\PRD_PROMPT.md

What Was Missing

- All criteria met!

Skill: Project Planning

Score: 7.0/10 points

Status: ✓ Good

Points Breakdown

| Criterion | Max Points | Earned | Status |
|-------------------------|-------------|------------|--------|
| PRD.md exists | 2.0 | 2.0 | ✓ |
| ARCHITECTURE.md exists | 5.0 | 0.0 | ✗ |
| Problem Statement | 1.0 | 0.7 | ✗ |
| Functional Requirements | 1.5 | 1.0 | ✗ |
| Success Metrics | 0.5 | 0.3 | ✗ |
| TOTAL | 10.0 | 7.0 | |

What Was Found

- PRD.md found
- Problem Statement found in PRD
- Functional Requirements found in PRD
- Success Metrics found in PRD
- Some architectural information found in documentation

What Was Missing

- All criteria met!

How to Improve (+3.0 points)

1. Document architecture in README or ARCHITECTURE.md (+3.0 points)

Skill: Testing Quality

Score: 10.0/10 points

Status: ✓ Excellent

Points Breakdown

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

What Was Found

- Found 20 test file(s)

What Was Missing

- All criteria met!

Skill: Research Analysis

Score: 10.0/10 points

Status: ✓ Excellent

Points Breakdown

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

What Was Found

- Found 67 research document(s)
- Found 18 data file(s) for analysis

What Was Missing

- All criteria met!

Skill: Extensibility

Score: 7.0/10 points

Status: ✓ Good

Points Breakdown

| Criterion | Max Points | Earned | Status |
|-----------------------------|-------------|------------|--------|
| Plugin/extension system | 3.0 | 2.1 | ✗ |
| Modular structure (3+ dirs) | 3.0 | 2.1 | ✗ |
| Interfaces/APIs | 2.0 | 1.4 | ✗ |
| Extension documentation | 2.0 | 1.4 | ✗ |
| TOTAL | 10.0 | 7.0 | |

What Was Found

What Was Missing

- All criteria met!

How to Improve (+3.0 points)

1. Implement actual plugin/extension system (+2.0 points)
2. Define more interfaces for better extensibility (+1.0 point)

Skill: Costs Pricing

Score: 7.5/10 points

Status: ✓ Good

Points Breakdown

| Criterion | Max Points | Earned | Status |
|------------------------|-------------|------------|--------|
| Cost analysis document | 5.0 | 3.8 | ✗ |
| Cost mentions in docs | 3.0 | 2.2 | ✗ |
| Budget tracking | 2.0 | 1.5 | ✗ |
| TOTAL | 10.0 | 7.5 | |

What Was Found

- Detailed cost analysis found in: Assignment6\PROJECT_PLAN.md
- Cost calculations found in code
- API pricing analysis found (excellent for LLM projects)

What Was Missing

- All criteria met!

How to Improve (+2.5 points)

1. Create dedicated cost analysis document (e.g., COSTS.md) for better organization (+2.0 points)
2. Create dedicated budget tracking document (+0.5 points)

Skill: Config Security

Score: 4.0/10 points

Status: ■ Fair

Points Breakdown

| Criterion | Max Points | Earned | Status |
|---------------------------------|------------|--------|--------|
| No hardcoded secrets (CRITICAL) | 5.0 | 2.0 | ✗ |
| .env.example exists | 2.0 | 0.8 | ✗ |
| .gitignore exists | 1.0 | 0.4 | ✗ |
| Uses environment variables | 2.0 | 0.8 | ✗ |
| TOTAL | 10.0 | 4.0 | |

What Was Found

- No hardcoded secrets found in production code

What Was Missing

- No hardcoded secrets found in production code

How to Improve (+6.0 points)

1. Create .env.example file to document required environment variables (+2.0 points)
2. Create .gitignore file and add .env to it (+2.0 points)
3. Improve .gitignore coverage for better security (+2.0 points)

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 (33146 bytes)
- Installation instructions found in README
- Usage examples found in README
- Package `__init__.py` with documentation found

What Was Missing

- All criteria met!

Overall Assessment Summary

Key Strengths (8+ points)

- Ui Ux: 10.0/10
- Version Management: 10.0/10
- Testing Quality: 10.0/10
- Research Analysis: 10.0/10
- Code Documentation: 10.0/10

Critical Gaps (<5 points)

- Quality Standards: 3.5/10
- Config Security: 4.0/10

Recommended Actions

Immediate Priority:

- All critical areas addressed - focus on optimization

High Priority:

- Improve Quality Standards (3.5/10 points)
- Improve Config Security (4.0/10 points)