DETAILED GRADE BREAKDOWN

Assignment 5

Student ID:	101214
Repository:	LLMs-And-Multi-Agent-Orchestration-Course
Assessment Date:	2025-12-23

FINAL SCORE: 71.0 / 100

Performance Tier: Potential

Skills Summary

Skill	Score	Status
Ui Ux	10.0/10	✓ Excellent
Version Management	10.0/10	✓ Excellent
Quality Standards	2.0/10	✗ Poor
Project Planning	10.0/10	✓ Excellent
Testing Quality	8.0/10	✓ Excellent
Research Analysis	10.0/10	✓ Excellent
Extensibility	5.5/10	■ Fair
Costs Pricing	6.5/10	✓ Good
Code Documentation	5.0/10	■ Fair
Config Security	4.0/10	■ Fair

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 18 image(s)/screenshot(s)

• Excellent visual documentation with 5+ images

• UI documentation found: ex1\requirements.txt, ex2\requirements.txt, ex3\QUICKSTART.md

What Was Missing

• All criteria met!

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: ex1\Documentation\AI_PROMPTS.md

What Was Missing

• All criteria met!

Skill: Quality Standards

Score: 2.0/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Linting configuration	2.0	0.4	✗
CI/CD pipeline	3.0	0.6	✗
Code style guide	2.0	0.4	✗
Pre-commit hooks	2.0	0.4	✗
Project setup file	1.0	0.2	✗
TOTAL	**10.0**	**2.0**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+8.0 points)

1. Set up CI/CD pipeline (GitHub Actions, GitLab CI, etc.) (+3.0 points)

2. Create code style guide or CONTRIBUTING.md (+3.0 points)

3. Set up pre-commit hooks for automatic quality checks (+1.0 point)

4. Configure quality assurance tools (+1.0 point)

Skill: Project Planning

Score: 10.0/10 points

Status: ✓ Excellent

Points Breakdown

Criterion	Max Points	Earned	Status
PRD.md exists	2.0	2.0	✓
ARCHITECTURE.md exists	5.0	5.0	✓
Problem Statement	1.0	1.0	✓
Functional Requirements	1.5	1.5	✓
Success Metrics	0.5	0.5	✓
TOTAL	**10.0**	**10.0**	

What Was Found

• PRD.md found

• Problem Statement found in PRD

• Functional Requirements found in PRD

• Success Metrics found in PRD

• ARCHITECTURE.md found

What Was Missing

• All criteria met!

Skill: Testing Quality

Score: 8.0/10 points

Status: ✓ Excellent

Points Breakdown

Criterion	Max Points	Earned	Status
Test files exist	3.0	2.4	✗
Multiple test files (>3)	2.0	1.6	✗
Test framework configured	2.0	1.6	✗
Test functions (>10)	3.0	2.4	✗
TOTAL	**10.0**	**8.0**	

What Was Found

• Found 18 test file(s)

What Was Missing

• All criteria met!

How to Improve (+2.0 points)

1. Configure a test framework (pytest, jest, etc.) (+2.0 points)

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 2 Jupyter notebook(s) and 37 research document(s)

• Visualizations found in 2 notebook(s)

• Found 38 data file(s) for analysis

What Was Missing

• All criteria met!

Skill: Extensibility

Score: 5.5/10 points

Status: ■ Fair

Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	1.7	✗
Modular structure (3+ dirs)	3.0	1.7	✗
Interfaces/APIs	2.0	1.1	✗
Extension documentation	2.0	1.1	✗
TOTAL	**10.0**	**5.5**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+4.5 points)

1. Create plugin/extension system for modularity (+3.0 points)

2. Document how to extend/customize the system (+1.5 points)

Skill: Costs Pricing

Score: 6.5/10 points

Status: ✓ Good

Points Breakdown

Criterion	Max Points	Earned	Status
Cost analysis document	5.0	3.2	✗
Cost mentions in docs	3.0	2.0	✗
Budget tracking	2.0	1.3	✗
TOTAL	**10.0**	**6.5**	

What Was Found

• Substantial cost discussion found (48 mentions)

• Cost calculations found in code

• API pricing analysis found (excellent for LLM projects)

What Was Missing

• All criteria met!

How to Improve (+3.5 points)

1. Consolidate into dedicated cost analysis document (+3.0 points)

2. Create dedicated budget tracking document (+0.5 points)

Skill: Code Documentation

Score: 5.0/10 points

Status: ■ Fair

Points Breakdown

Criterion	Max Points	Earned	Status
README.md >1KB	3.0	1.5	✗
Installation instructions	1.0	0.5	✗
Usage examples	1.0	0.5	✗
Code structure documented	2.0	1.0	✗
Python docstrings (>50%)	3.0	1.5	✗
TOTAL	**10.0**	**5.0**	

What Was Found

• README.md found but too small (43 bytes)

• Package __init__.py with documentation found

What Was Missing

• All criteria met!

How to Improve (+5.0 points)

1. Expand README.md to at least 1KB (+2.0 points)

2. Add installation instructions to README.md (+1.0 point)

3. Add usage examples to README.md (+1.0 point)

4. Improve code structure documentation (+1.0 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)

Overall Assessment Summary

Key Strengths (8+ points)

• Ui Ux: 10.0/10

• Version Management: 10.0/10

• Project Planning: 10.0/10

• Testing Quality: 8.0/10

• Research Analysis: 10.0/10

Critical Gaps (<5 points)

• Quality Standards: 2.0/10

• Config Security: 4.0/10

Recommended Actions

Immediate Priority:

• All critical areas addressed - focus on optimization

High Priority:

• Improve Quality Standards (2.0/10 points)

• Improve Config Security (4.0/10 points)