DETAILED GRADE BREAKDOWN

Assignment 2

Student ID: 48966

Repository: LLM_Agent_Orchestration_HW2

Assessment Date: 2025-12-02

FINAL SCORE: 76.0 / 100

Performance Tier: Potential

Skills Summary

Skill	Score	Status
Ui Ux	10.0/10	✓ Excellent
Project Planning	10.0/10	✓ Excellent
Extensibility	1.0/10	✗ Poor
Testing Quality	8.0/10	✓ Excellent
Quality Standards	0.0/10	✗ Poor
Research Analysis	10.0/10	✓ Excellent
Code Documentation	10.0/10	✓ Excellent
Version Management	10.0/10	✓ Excellent
Config Security	9.5/10	✓ Excellent
Costs Pricing	7.5/10	✓ Good

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 6 image(s)/screenshot(s)

• Excellent visual documentation with 5+ images

• UI documentation found: requirements.txt, documentation\IMPLEMENTATION_GUIDE.md

What Was Missing

• All criteria met!

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: Extensibility

Score: 1.0/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	0.3	✗
Modular structure (3+ dirs)	3.0	0.3	✗
Interfaces/APIs	2.0	0.2	✗
Extension documentation	2.0	0.2	✗
TOTAL	**10.0**	**1.0**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+9.0 points)

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

2. Break down large files into smaller modules (+2.0 points)

3. Define interfaces/APIs for extensibility (+2.0 points)

4. Document extension/customization approach (+2.0 points)

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 5 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: 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: 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 1 Jupyter notebook(s) and 17 research document(s)

• Visualizations found in 1 notebook(s)

• Found 1 data file(s) for analysis

What Was Missing

• All criteria met!

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 (44900 bytes)

• Installation instructions found in README

• Usage examples found in README

• Package __init__.py with documentation found

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: documentation\prompts.md

What Was Missing

• All criteria met!

Skill: Config Security

Score: 9.5/10 points

Status: ✓ Excellent

Points Breakdown

Criterion	Max Points	Earned	Status
No hardcoded secrets (CRITICAL)	5.0	4.8	✗
.env.example exists	2.0	1.9	✗
.gitignore exists	1.0	0.9	✗
Uses environment variables	2.0	1.9	✗
TOTAL	**10.0**	**9.5**	

What Was Found

• No hardcoded secrets found in production code

• .env.example file found

• .gitignore file found with .env properly ignored

What Was Missing

• No hardcoded secrets found in production code

How to Improve (+0.5 points)

1. Increase environment variable usage (+0.5 points)

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: src\utils\cost_analysis.py

• 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)

Overall Assessment Summary

Key Strengths (8+ points)

• Ui Ux: 10.0/10

• Project Planning: 10.0/10

• Testing Quality: 8.0/10

• Research Analysis: 10.0/10

• Code Documentation: 10.0/10

• Version Management: 10.0/10

• Config Security: 9.5/10

Critical Gaps (<5 points)

• Extensibility: 1.0/10

• Quality Standards: 0.0/10

Recommended Actions

Immediate Priority:

• Address Quality Standards (0/10 points)

High Priority:

• Improve Extensibility (1.0/10 points)