

DETAILED GRADE BREAKDOWN

Assignment 4

Student ID: 87681

Repository: LLM_Agent_Orchestration_HW4

Assessment Date: 2025-12-23

FINAL SCORE: 75.5 / 100

Performance Tier: Potential

Skills Summary

Skill	Score	Status
Ui Ux	4.0/10	■ Fair
Project Planning	5.0/10	■ Fair
Quality Standards	3.5/10	✗ Poor
Version Management	10.0/10	✓ Excellent
Research Analysis	10.0/10	✓ Excellent
Testing Quality	8.0/10	✓ Excellent
Code Documentation	10.0/10	✓ Excellent
Extensibility	5.5/10	■ Fair
Config Security	10.0/10	✓ Excellent
Costs Pricing	9.5/10	✓ Excellent

Skill: Ui Ux

Score: 4.0/10 points

Status: ■ Fair

Points Breakdown

Criterion	Max Points	Earned	Status
Screenshots/images (1+)	3.0	1.2	✗
Screenshots/images (5+)	3.0	1.2	✗
UI documentation	2.0	0.8	✗
User guide exists	2.0	0.8	✗
TOTAL	10.0	4.0	

What Was Found

- UI documentation found: Missions_Route_Enrichment_Tour_Guide_System.md, PRD_Route_Enrichment_Tour_Guide_System.md, docs\prompt_log\001_architecture_design_session.md

What Was Missing

- All criteria met!

How to Improve (+6.0 points)

1. Add screenshots of your application (+3.0 points)
2. Add at least 5 screenshots showing different features (+3.0 points)

Skill: Project Planning

Score: 5.0/10 points

Status: ■ Fair

Points Breakdown

Criterion	Max Points	Earned	Status
PRD.md exists	2.0	0.0	✗
ARCHITECTURE.md exists	5.0	5.0	✓
Problem Statement	1.0	0.5	✗
Functional Requirements	1.5	0.8	✗
Success Metrics	0.5	0.2	✗
TOTAL	10.0	5.0	

What Was Found

- ARCHITECTURE.md found

What Was Missing

- All criteria met!

How to Improve (+5.0 points)

1. Create PRD.md with Problem Statement, Functional Requirements, and Success Metrics (+4.0 points)

Skill: Quality Standards

Score: 3.5/10 points

Status: **X** Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Linting configuration	2.0	0.7	X
CI/CD pipeline	3.0	1.0	X
Code style guide	2.0	0.7	X
Pre-commit hooks	2.0	0.7	X
Project setup file	1.0	0.3	X
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: docs\prompt_log\agents_system_design_prompt.md

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 1 Jupyter notebook(s) and 22 research document(s)
- Visualizations found in 1 notebook(s)
- Found 11 data file(s) for analysis

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 42 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: 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 (70838 bytes)
- Installation instructions found in README
- Usage examples found in README
- docs/ directory found
- Package __init__.py with documentation found

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. Implement actual plugin/extension system (+2.0 points)
2. Break down large files into smaller modules (+2.0 points)
3. Expand extensibility docs with more examples (+0.5 points)

Skill: Config Security

Score: 10.0/10 points

Status: ✓ Excellent

Points Breakdown

Criterion	Max Points	Earned	Status
No hardcoded secrets (CRITICAL)	5.0	5.0	✓
.env.example exists	2.0	2.0	✓
.gitignore exists	1.0	1.0	✓
Uses environment variables	2.0	2.0	✓
TOTAL	10.0	10.0	

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

Skill: Costs Pricing

Score: 9.5/10 points

Status: ✓ Excellent

Points Breakdown

Criterion	Max Points	Earned	Status
Cost analysis document	5.0	4.8	✗
Cost mentions in docs	3.0	2.8	✗
Budget tracking	2.0	1.9	✗
TOTAL	10.0	9.5	

What Was Found

- Cost analysis document found: docs\cost_analysis.md
- Cost calculations found in code
- API pricing analysis found (excellent for LLM projects)

What Was Missing

- All criteria met!

How to Improve (+0.5 points)

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

Overall Assessment Summary

Key Strengths (8+ points)

- Version Management: 10.0/10
- Research Analysis: 10.0/10
- Testing Quality: 8.0/10
- Code Documentation: 10.0/10
- Config Security: 10.0/10
- Costs Pricing: 9.5/10

Critical Gaps (<5 points)

- Ui Ux: 4.0/10
- Quality Standards: 3.5/10

Recommended Actions

Immediate Priority:

- All critical areas addressed - focus on optimization

High Priority:

- Improve Ui Ux (4.0/10 points)
- Improve Quality Standards (3.5/10 points)