

DETAILED GRADE BREAKDOWN

Assignment 1

Student ID: 38959

Repository: LLM_Agent_Orchestration_HW1

Assessment Date: 2025-12-02

FINAL SCORE: 77.5 / 100

Performance Tier: Potential

Skills Summary

Skill	Score	Status
Ui Ux	10.0/10	✓ Excellent
Research Analysis	10.0/10	✓ Excellent
Testing Quality	10.0/10	✓ Excellent
Extensibility	3.0/10	✗ Poor
Project Planning	8.5/10	✓ Excellent
Quality Standards	0.0/10	✗ Poor
Version Management	10.0/10	✓ Excellent
Config Security	10.0/10	✓ Excellent
Code Documentation	8.5/10	✓ 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 36 image(s)/screenshot(s)
- Excellent visual documentation with 5+ images
- UI documentation found: requirements-optional.txt, requirements.txt, documentation\Extensibility_Guide.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 8 research document(s)
- Visualizations found in 1 notebook(s)

What Was Missing

- All criteria met!

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 8 test file(s)

What Was Missing

- All criteria met!

Skill: Extensibility

Score: 3.0/10 points

Status: X Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	0.9	X
Modular structure (3+ dirs)	3.0	0.9	X
Interfaces/APIs	2.0	0.6	X
Extension documentation	2.0	0.6	X
TOTAL	10.0	3.0	

What Was Found

What Was Missing

- All criteria met!

How to Improve (+7.0 points)

1. Create plugin/extension system for modularity (+3.0 points)
2. Define interfaces/APIs for extensibility (+2.0 points)
3. Document extension/customization approach (+2.0 points)

Skill: Project Planning

Score: 8.5/10 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	0.8	✗
Functional Requirements	1.5	1.3	✗
Success Metrics	0.5	0.4	✗
TOTAL	10.0	8.5	

What Was Found

- PRD.md found
- Functional Requirements found in PRD
- ARCHITECTURE.md found

What Was Missing

- All criteria met!

How to Improve (+1.5 points)

1. Add Problem Statement section to PRD.md (+1.0 point)
2. Add Success Metrics section to PRD.md (+0.5 points)

Skill: Quality Standards

Score: 0.0/10 points

Status: **X** Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Linting configuration	2.0	0.0	X
CI/CD pipeline	3.0	0.0	X
Code style guide	2.0	0.0	X
Pre-commit hooks	2.0	0.0	X
Project setup file	1.0	0.0	X
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: 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\Prompting_and_Developing.md

What Was Missing

- All criteria met!

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: Code Documentation

Score: 8.5/10 points

Status: ✓ Excellent

Points Breakdown

Criterion	Max Points	Earned	Status
README.md >1KB	3.0	2.5	✗
Installation instructions	1.0	0.8	✗
Usage examples	1.0	0.8	✗
Code structure documented	2.0	1.7	✗
Python docstrings (>50%)	3.0	2.5	✗
TOTAL	10.0	8.5	

What Was Found

- README.md found (54051 bytes)
- Installation instructions found in README
- Usage examples found in README

What Was Missing

- All criteria met!

How to Improve (+1.5 points)

1. Increase docstring coverage to >50% of files (+1.5 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: documentation\Architecture.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)

Overall Assessment Summary

Key Strengths (8+ points)

- Ui Ux: 10.0/10
- Research Analysis: 10.0/10
- Testing Quality: 10.0/10
- Project Planning: 8.5/10
- Version Management: 10.0/10
- Config Security: 10.0/10
- Code Documentation: 8.5/10

Critical Gaps (<5 points)

- Extensibility: 3.0/10
- Quality Standards: 0.0/10

Recommended Actions

Immediate Priority:

- Address Quality Standards (0/10 points)

High Priority:

- Improve Extensibility (3.0/10 points)