DETAILED GRADE BREAKDOWN

Assignment 1

Student ID:	38959
Repository:	LLM_Agent_Orchestration_HW1
Assessment Date:	2025-12-04

FINAL SCORE: 82.0 / 100

Performance Tier: Good

Skills Summary

Skill	Score	Status
Ui Ux	10.0/10	✓ Excellent
Project Planning	8.5/10	✓ Excellent
Quality Standards	1.5/10	✗ Poor
Testing Quality	10.0/10	✓ Excellent
Research Analysis	10.0/10	✓ Excellent
Version Management	10.0/10	✓ Excellent
Extensibility	6.0/10	✓ Good
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: 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: 1.5/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Linting configuration	2.0	0.3	✗
CI/CD pipeline	3.0	0.4	✗
Code style guide	2.0	0.3	✗
Pre-commit hooks	2.0	0.3	✗
Project setup file	1.0	0.1	✗
TOTAL	**10.0**	**1.5**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+8.5 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 dedicated style guide or CONTRIBUTING.md (+1.5 points)

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

5. Configure quality assurance tools (+1.0 point)

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: 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: 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: Extensibility

Score: 6.0/10 points

Status: ✓ Good

Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	1.8	✗
Modular structure (3+ dirs)	3.0	1.8	✗
Interfaces/APIs	2.0	1.2	✗
Extension documentation	2.0	1.2	✗
TOTAL	**10.0**	**6.0**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+4.0 points)

1. Implement actual plugin/extension system (+2.0 points)

2. Define interfaces/APIs for extensibility (+2.0 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: 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

• Project Planning: 8.5/10

• Testing Quality: 10.0/10

• Research Analysis: 10.0/10

• Version Management: 10.0/10

• Config Security: 10.0/10

• Code Documentation: 8.5/10

Critical Gaps (<5 points)

• Quality Standards: 1.5/10

Recommended Actions

Immediate Priority:

• All critical areas addressed - focus on optimization

High Priority:

• Improve Quality Standards (1.5/10 points)