

# DETAILED GRADE BREAKDOWN

## Assignment 6

Student ID: 109986

Repository: LLM\_Agent\_Orchestration\_HW6

Assessment Date: 2025-12-23

FINAL SCORE: 82.0 / 100

Performance Tier: Good

### Skills Summary

Skill	Score	Status
Ui Ux	10.0/10	✓ Excellent
Testing Quality	6.5/10	✓ Good
Project Planning	5.0/10	■ Fair
Quality Standards	9.0/10	✓ Excellent
Extensibility	5.5/10	■ Fair
Version Management	10.0/10	✓ Excellent
Research Analysis	10.0/10	✓ Excellent
Code Documentation	8.5/10	✓ Excellent
Costs Pricing	9.5/10	✓ Excellent
Config Security	8.0/10	✓ Excellent

# 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	✓
<b>TOTAL</b>	<b>10.0</b>	<b>10.0</b>	

## What Was Found

- Found 18 image(s)/screenshot(s)
- Excellent visual documentation with 5+ images
- UI documentation found: requirements-dev.txt, requirements.txt, docs\extensibility\extensibility\_guide.md

## What Was Missing

- All criteria met!

# Skill: Testing Quality

Score: 6.5/10 points

Status: ✓ Good

## Points Breakdown

Criterion	Max Points	Earned	Status
Test files exist	3.0	2.0	✗
Multiple test files (>3)	2.0	1.3	✗
Test framework configured	2.0	1.3	✗
Test functions (>10)	3.0	2.0	✗
<b>TOTAL</b>	<b>10.0</b>	<b>6.5</b>	

## What Was Found

- Found 4 test file(s)

## What Was Missing

- All criteria met!

## How to Improve (+3.5 points)

1. Configure a test framework (pytest, jest, etc.) (+2.0 points)
2. Write more test functions to reach >10 (+1.5 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	✗
<b>TOTAL</b>	<b>10.0</b>	<b>5.0</b>	

## 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: 9.0/10 points

Status: ✓ Excellent

## Points Breakdown

Criterion	Max Points	Earned	Status
Linting configuration	2.0	1.8	✗
CI/CD pipeline	3.0	2.7	✗
Code style guide	2.0	1.8	✗
Pre-commit hooks	2.0	1.8	✗
Project setup file	1.0	0.9	✗
<b>TOTAL</b>	<b>10.0</b>	<b>9.0</b>	

## What Was Found

- Code style guide found: CONTRIBUTING.md

## What Was Missing

- All criteria met!

## How to Improve (+1.0 points)

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

# 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. Define more interfaces for better extensibility (+1.0 point)
3. Expand extensibility docs with more examples (+0.5 points)

# 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	✓
<b>TOTAL</b>	<b>10.0</b>	<b>10.0</b>	

## What Was Found

- Prompt documentation found: results\PROMPTS\_LOG.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	✓
<b>TOTAL</b>	<b>10.0</b>	<b>10.0</b>	

## What Was Found

- Found 2 Jupyter notebook(s) and 17 research document(s)
- Visualizations found in 2 notebook(s)
- Found 8 data file(s) for analysis

## What Was Missing

- All criteria met!



# 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	✗
<b>TOTAL</b>	<b>10.0</b>	<b>8.5</b>	

## What Was Found

- README.md found (12255 bytes)
- Installation instructions found in README
- Usage examples found in README
- docs/ directory found

## 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: 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: results\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)

# Skill: Config Security

Score: 8.0/10 points

Status: ✓ Excellent

## Points Breakdown

Criterion	Max Points	Earned	Status
No hardcoded secrets (CRITICAL)	5.0	4.0	✗
.env.example exists	2.0	1.6	✗
.gitignore exists	1.0	0.8	✗
Uses environment variables	2.0	1.6	✗
TOTAL	10.0	8.0	

### What Was Found

- No hardcoded secrets found in production code
- .env.example file found
- .gitignore file found

### What Was Missing

- No hardcoded secrets found in production code

### How to Improve (+2.0 points)

1. Add .env to .gitignore to prevent committing secrets (+1.0 point)
2. Implement environment variable usage in code (+1.0 point)

# Overall Assessment Summary

## Key Strengths (8+ points)

- Ui Ux: 10.0/10
- Quality Standards: 9.0/10
- Version Management: 10.0/10
- Research Analysis: 10.0/10
- Code Documentation: 8.5/10
- Costs Pricing: 9.5/10
- Config Security: 8.0/10

## Critical Gaps (<5 points)

- No critical gaps identified

## Recommended Actions

### Immediate Priority:

- All critical areas addressed - focus on optimization

### High Priority:

- Maintain current standards across all skills