DETAILED GRADE BREAKDOWN

Assignment 1

Student ID: 38973

Repository: llms-and-multi-agent-orchestration

Assessment Date: 2025-12-02

FINAL SCORE: 50.5 / 100

Performance Tier: Below Standard

Skills Summary

Skill	Score	Status
Project Planning	0.0/10	✗ Poor
Research Analysis	8.0/10	✓ Excellent
Ui Ux	3.0/10	✗ Poor
Extensibility	5.0/10	■ Fair
Testing Quality	10.0/10	✓ Excellent
Quality Standards	2.0/10	✗ Poor
Code Documentation	9.0/10	✓ Excellent
Costs Pricing	1.5/10	✗ Poor
Config Security	6.0/10	✓ Good
Version Management	6.0/10	✓ Good

Skill: Project Planning

Score: 0.0/10 points

Status: ✗ Poor

Points Breakdown

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

What Was Missing

• All criteria met!

How to Improve (+10.0 points)

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

2. Document architecture in README or ARCHITECTURE.md (+5.0 points)

Skill: Research Analysis

Score: 8.0/10 points

Status: ✓ Excellent

Points Breakdown

Criterion	Max Points	Earned	Status
Jupyter notebooks exist	4.0	3.2	✗
Multiple notebooks (>2)	2.0	1.6	✗
Has visualizations/plots	2.0	1.6	✗
Analysis documentation	2.0	1.6	✗
TOTAL	**10.0**	**8.0**	

What Was Found

• Found 2 research document(s)

• Found 6 data file(s) for analysis

What Was Missing

• All criteria met!

How to Improve (+2.0 points)

1. Create more research documentation (currently 2, need >2) (+2.0 points)

Skill: Ui Ux

Score: 3.0/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Screenshots/images (1+)	3.0	0.9	✗
Screenshots/images (5+)	3.0	0.9	✗
UI documentation	2.0	0.6	✗
User guide exists	2.0	0.6	✗
TOTAL	**10.0**	**3.0**	

What Was Found

• Found 4 image(s)/screenshot(s)

What Was Missing

• All criteria met!

How to Improve (+7.0 points)

1. Add more screenshots (currently 4, need 5+) (+3.0 points)

2. Add UI screenshots to README.md (+2.0 points)

3. Create user guide or UI documentation (+2.0 points)

Skill: Extensibility

Score: 5.0/10 points

Status: ■ Fair

Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	1.5	✗
Modular structure (3+ dirs)	3.0	1.5	✗
Interfaces/APIs	2.0	1.0	✗
Extension documentation	2.0	1.0	✗
TOTAL	**10.0**	**5.0**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+5.0 points)

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

2. Define more interfaces for better extensibility (+1.0 point)

3. Document how to extend/customize the system (+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 2 test file(s)

What Was Missing

• All criteria met!

Skill: Quality Standards

Score: 2.0/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Linting configuration	2.0	0.4	✗
CI/CD pipeline	3.0	0.6	✗
Code style guide	2.0	0.4	✗
Pre-commit hooks	2.0	0.4	✗
Project setup file	1.0	0.2	✗
TOTAL	**10.0**	**2.0**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+8.0 points)

1. Set up CI/CD pipeline (GitHub Actions, GitLab CI, etc.) (+3.0 points)

2. Create code style guide or CONTRIBUTING.md (+3.0 points)

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

4. Configure quality assurance tools (+1.0 point)

Skill: Code Documentation

Score: 9.0/10 points

Status: ✓ Excellent

Points Breakdown

Criterion	Max Points	Earned	Status
README.md >1KB	3.0	2.7	✗
Installation instructions	1.0	0.9	✗
Usage examples	1.0	0.9	✗
Code structure documented	2.0	1.8	✗
Python docstrings (>50%)	3.0	2.7	✗
TOTAL	**10.0**	**9.0**	

What Was Found

• README.md found (6485 bytes)

• Installation instructions found in README

• Package __init__.py with documentation found

What Was Missing

• All criteria met!

How to Improve (+1.0 points)

1. Add usage examples to README.md (+1.0 point)

Skill: Costs Pricing

Score: 1.5/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Cost analysis document	5.0	0.8	✗
Cost mentions in docs	3.0	0.4	✗
Budget tracking	2.0	0.3	✗
TOTAL	**10.0**	**1.5**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+8.5 points)

1. Create cost analysis document (e.g., COSTS.md, budget.xlsx) (+5.0 points)

2. Expand cost documentation with more details (+1.5 points)

3. Create budget tracking system/document (+2.0 points)

Skill: Config Security

Score: 6.0/10 points

Status: ✓ Good

Points Breakdown

Criterion	Max Points	Earned	Status
No hardcoded secrets (CRITICAL)	5.0	3.0	✗
.env.example exists	2.0	1.2	✗
.gitignore exists	1.0	0.6	✗
Uses environment variables	2.0	1.2	✗
TOTAL	**10.0**	**6.0**	

What Was Found

• No hardcoded secrets found in production code

• .gitignore file found with .env properly ignored

What Was Missing

• No hardcoded secrets found in production code

How to Improve (+4.0 points)

1. Create .env.example file to document required environment variables (+2.0 points)

2. Implement environment variable usage in code (+1.0 point)

3. Improve overall security practices (+1.0 point)

Skill: Version Management

Score: 6.0/10 points

Status: ✓ Good

Points Breakdown

Criterion	Max Points	Earned	Status
Git commits >10	2.0	1.2	✗
Meaningful commit messages	2.0	1.2	✗
PROMPT_BOOK.md exists	5.0	3.0	✗
Branching strategy	1.0	0.6	✗
TOTAL	**10.0**	**6.0**	

What Was Found

• Prompt documentation found: prompts.md

What Was Missing

• All criteria met!

How to Improve (+4.0 points)

1. Initialize git repository and make regular commits (+2.0 points)

2. Write meaningful commit messages explaining changes (+2.0 points)

Overall Assessment Summary

Key Strengths (8+ points)

• Research Analysis: 8.0/10

• Testing Quality: 10.0/10

• Code Documentation: 9.0/10

Critical Gaps (<5 points)

• Project Planning: 0.0/10

• Ui Ux: 3.0/10

• Quality Standards: 2.0/10

• Costs Pricing: 1.5/10

Recommended Actions

Immediate Priority:

• Address Project Planning (0/10 points)

High Priority:

• Improve Ui Ux (3.0/10 points)

• Improve Quality Standards (2.0/10 points)

• Improve Costs Pricing (1.5/10 points)