DETAILED GRADE BREAKDOWN

Assignment 2

Student ID:	48955
Repository:	LLMsMultiAgentOrchestration_RNN_LSTM
Assessment Date:	2025-12-02

FINAL SCORE: 21.5 / 100

Performance Tier: Below Standard

Skills Summary

Skill	Score	Status
Research Analysis	0.0/10	✗ Poor
Extensibility	3.0/10	✗ Poor
Testing Quality	0.0/10	✗ Poor
Project Planning	0.0/10	✗ Poor
Ui Ux	5.0/10	■ Fair
Costs Pricing	0.0/10	✗ Poor
Config Security	2.0/10	✗ Poor
Quality Standards	0.0/10	✗ Poor
Code Documentation	6.5/10	✓ Good
Version Management	5.0/10	■ Fair

Skill: Research Analysis

Score: 0.0/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Jupyter notebooks exist	4.0	0.0	✗
Multiple notebooks (>2)	2.0	0.0	✗
Has visualizations/plots	2.0	0.0	✗
Analysis documentation	2.0	0.0	✗
TOTAL	**10.0**	**0.0**	

What Was Found

• Found 2 data file(s) for analysis

What Was Missing

• All criteria met!

How to Improve (+10.0 points)

1. Create research documentation (Jupyter notebooks, research PDFs, or analysis markdown) (+4.0 points)

2. Create at least 3 research documents for different analyses (+2.0 points)

3. Create research documentation with data visualizations (+2.0 points)

4. Document analysis methodology in research documentation (+2.0 points)

Skill: Extensibility

Score: 3.0/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	0.9	✗
Modular structure (3+ dirs)	3.0	0.9	✗
Interfaces/APIs	2.0	0.6	✗
Extension documentation	2.0	0.6	✗
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: Testing Quality

Score: 0.0/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Test files exist	3.0	0.0	✗
Multiple test files (>3)	2.0	0.0	✗
Test framework configured	2.0	0.0	✗
Test functions (>10)	3.0	0.0	✗
TOTAL	**10.0**	**0.0**	

What Was Missing

• All criteria met!

How to Improve (+10.0 points)

1. Create test files for your code (+3.0 points)

2. Create test files for your code (+2.0 points)

3. Configure a test framework (pytest, jest, etc.) (+2.0 points)

4. Write test functions (target: >10) (+3.0 points)

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: Ui Ux

Score: 5.0/10 points

Status: ■ Fair

Points Breakdown

Criterion	Max Points	Earned	Status
Screenshots/images (1+)	3.0	1.5	✗
Screenshots/images (5+)	3.0	1.5	✗
UI documentation	2.0	1.0	✗
User guide exists	2.0	1.0	✗
TOTAL	**10.0**	**5.0**	

What Was Found

• Found 2 image(s)/screenshot(s)

What Was Missing

• All criteria met!

How to Improve (+5.0 points)

1. Add more screenshots (currently 2, need 5+) (+3.0 points)

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

Skill: Costs Pricing

Score: 0.0/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Cost analysis document	5.0	0.0	✗
Cost mentions in docs	3.0	0.0	✗
Budget tracking	2.0	0.0	✗
TOTAL	**10.0**	**0.0**	

What Was Missing

• All criteria met!

How to Improve (+10.0 points)

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

2. Document costs, pricing, and budget considerations (+3.0 points)

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

Skill: Config Security

Score: 2.0/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
No hardcoded secrets (CRITICAL)	5.0	1.0	✗
.env.example exists	2.0	0.4	✗
.gitignore exists	1.0	0.2	✗
Uses environment variables	2.0	0.4	✗
TOTAL	**10.0**	**2.0**	

What Was Found

• No hardcoded secrets found in production code

What Was Missing

• No hardcoded secrets found in production code

How to Improve (+8.0 points)

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

2. Create .gitignore file and add .env to it (+2.0 points)

3. Use environment variables for configuration (+2.0 points)

4. Improve .gitignore coverage for better security (+2.0 points)

Skill: Quality Standards

Score: 0.0/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Linting configuration	2.0	0.0	✗
CI/CD pipeline	3.0	0.0	✗
Code style guide	2.0	0.0	✗
Pre-commit hooks	2.0	0.0	✗
Project setup file	1.0	0.0	✗
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: Code Documentation

Score: 6.5/10 points

Status: ✓ Good

Points Breakdown

Criterion	Max Points	Earned	Status
README.md >1KB	3.0	2.0	✗
Installation instructions	1.0	0.7	✗
Usage examples	1.0	0.7	✗
Code structure documented	2.0	1.3	✗
Python docstrings (>50%)	3.0	2.0	✗
TOTAL	**10.0**	**6.5**	

What Was Found

• README.md found (2400 bytes)

What Was Missing

• All criteria met!

How to Improve (+3.5 points)

1. Add installation instructions to README.md (+1.0 point)

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

3. Increase docstring coverage to >50% of files (+1.5 points)

Skill: Version Management

Score: 5.0/10 points

Status: ■ Fair

Points Breakdown

Criterion	Max Points	Earned	Status
Git commits >10	2.0	1.0	✗
Meaningful commit messages	2.0	1.0	✗
PROMPT_BOOK.md exists	5.0	2.5	✗
Branching strategy	1.0	0.5	✗
TOTAL	**10.0**	**5.0**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+5.0 points)

1. Create PROMPT_BOOK.md to document AI interactions (+5.0 points)

Overall Assessment Summary

Key Strengths (8+ points)

• No skills scored 8 or above

Critical Gaps (<5 points)

• Research Analysis: 0.0/10

• Extensibility: 3.0/10

• Testing Quality: 0.0/10

• Project Planning: 0.0/10

• Costs Pricing: 0.0/10

• Config Security: 2.0/10

• Quality Standards: 0.0/10

Recommended Actions

Immediate Priority:

• Address Research Analysis (0/10 points)

• Address Testing Quality (0/10 points)

• Address Project Planning (0/10 points)

• Address Costs Pricing (0/10 points)

• Address Quality Standards (0/10 points)

High Priority:

• Improve Extensibility (3.0/10 points)

• Improve Config Security (2.0/10 points)