DETAILED GRADE BREAKDOWN

Assignment 5

Student ID:	101196
Repository:	agents-task5
Assessment Date:	2025-12-23

FINAL SCORE: 40.0 / 100

Performance Tier: Below Standard

Skills Summary

Skill	Score	Status
Project Planning	0.0/10	✗ Poor
Testing Quality	0.0/10	✗ Poor
Research Analysis	8.0/10	✓ Excellent
Ui Ux	7.0/10	✓ Good
Quality Standards	0.0/10	✗ Poor
Version Management	5.0/10	■ Fair
Costs Pricing	0.5/10	✗ Poor
Extensibility	4.5/10	■ Fair
Code Documentation	10.0/10	✓ Excellent
Config Security	5.0/10	■ Fair

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: 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: 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 1 research document(s)

What Was Missing

• All criteria met!

How to Improve (+2.0 points)

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

Skill: Ui Ux

Score: 7.0/10 points

Status: ✓ Good

Points Breakdown

Criterion	Max Points	Earned	Status
Screenshots/images (1+)	3.0	2.1	✗
Screenshots/images (5+)	3.0	2.1	✗
UI documentation	2.0	1.4	✗
User guide exists	2.0	1.4	✗
TOTAL	**10.0**	**7.0**	

What Was Found

• Found 4 image(s)/screenshot(s)

• UI documentation found: requirements.txt, task1_experiment\requirements.txt, task2_experiment\requirements.txt

What Was Missing

• All criteria met!

How to Improve (+3.0 points)

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

Skill: Costs Pricing

Score: 0.5/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Cost analysis document	5.0	0.2	✗
Cost mentions in docs	3.0	0.2	✗
Budget tracking	2.0	0.1	✗
TOTAL	**10.0**	**0.5**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+9.5 points)

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

2. Add detailed cost analysis (+2.5 points)

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

Skill: Extensibility

Score: 4.5/10 points

Status: ■ Fair

Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	1.4	✗
Modular structure (3+ dirs)	3.0	1.4	✗
Interfaces/APIs	2.0	0.9	✗
Extension documentation	2.0	0.9	✗
TOTAL	**10.0**	**4.5**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+5.5 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 (+1.5 points)

Skill: Code Documentation

Score: 10.0/10 points

Status: ✓ Excellent

Points Breakdown

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

What Was Found

• README.md found (7651 bytes)

• Installation instructions found in README

• Usage examples found in README

What Was Missing

• All criteria met!

Skill: Config Security

Score: 5.0/10 points

Status: ■ Fair

Points Breakdown

Criterion	Max Points	Earned	Status
No hardcoded secrets (CRITICAL)	5.0	2.5	✗
.env.example exists	2.0	1.0	✗
.gitignore exists	1.0	0.5	✗
Uses environment variables	2.0	1.0	✗
TOTAL	**10.0**	**5.0**	

What Was Found

• No hardcoded secrets found in production code

• .gitignore file found

What Was Missing

• No hardcoded secrets found in production code

How to Improve (+5.0 points)

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

2. Add .env to .gitignore to prevent committing secrets (+1.0 point)

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

4. Improve overall security practices (+1.0 point)

Overall Assessment Summary

Key Strengths (8+ points)

• Research Analysis: 8.0/10

• Code Documentation: 10.0/10

Critical Gaps (<5 points)

• Project Planning: 0.0/10

• Testing Quality: 0.0/10

• Quality Standards: 0.0/10

• Costs Pricing: 0.5/10

• Extensibility: 4.5/10

Recommended Actions

Immediate Priority:

• Address Project Planning (0/10 points)

• Address Testing Quality (0/10 points)

• Address Quality Standards (0/10 points)

High Priority:

• Improve Costs Pricing (0.5/10 points)

• Improve Extensibility (4.5/10 points)