

DETAILED GRADE BREAKDOWN

Assignment 4

Student ID: 87714

Repository: Assignment4-multi-agent-tour-guide-parallel

Assessment Date: 2025-12-23

FINAL SCORE: 90.5 / 100

Performance Tier: Excellence

Skills Summary

Skill	Score	Status
Ui Ux	8.0/10	✓ Excellent
Quality Standards	10.0/10	✓ Excellent
Project Planning	10.0/10	✓ Excellent
Version Management	10.0/10	✓ Excellent
Research Analysis	10.0/10	✓ Excellent
Testing Quality	8.0/10	✓ Excellent
Code Documentation	10.0/10	✓ Excellent
Extensibility	7.0/10	✓ Good
Config Security	10.0/10	✓ Excellent
Costs Pricing	7.5/10	✓ Good

Skill: Ui Ux

Score: 8.0/10 points

Status: ✓ Excellent

Points Breakdown

Criterion	Max Points	Earned	Status
Screenshots/images (1+)	3.0	2.4	✗
Screenshots/images (5+)	3.0	2.4	✗
UI documentation	2.0	1.6	✗
User guide exists	2.0	1.6	✗
TOTAL	10.0	8.0	

What Was Found

- Found 28 image(s)/screenshot(s)
- Excellent visual documentation with 5+ images
- UI documentation found: requirements.txt, docs\DESIGN_DECISIONS.md, docs\QUICKFIX.md

What Was Missing

- All criteria met!

How to Improve (+2.0 points)

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

Skill: Quality Standards

Score: 10.0/10 points

Status: ✓ Excellent

Points Breakdown

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

What Was Found

- Code style guide found: CODE_OF_CONDUCT.md, CONTRIBUTING.md

What Was Missing

- All criteria met!

Skill: Project Planning

Score: 10.0/10 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	1.0	✓
Functional Requirements	1.5	1.5	✓
Success Metrics	0.5	0.5	✓
TOTAL	10.0	10.0	

What Was Found

- PRD.md found
- Problem Statement found in PRD
- Functional Requirements found in PRD
- Success Metrics found in PRD
- ARCHITECTURE.md found

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: docs\DEVELOPMENT_PROMPTS.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	✓
TOTAL	10.0	10.0	

What Was Found

- Found 3 Jupyter notebook(s) and 36 research document(s)
- Visualizations found in 3 notebook(s)
- Found 3 data file(s) for analysis

What Was Missing

- All criteria met!

Skill: Testing Quality

Score: 8.0/10 points

Status: ✓ Excellent

Points Breakdown

Criterion	Max Points	Earned	Status
Test files exist	3.0	2.4	✗
Multiple test files (>3)	2.0	1.6	✗
Test framework configured	2.0	1.6	✗
Test functions (>10)	3.0	2.4	✗
TOTAL	10.0	8.0	

What Was Found

- Found 59 test file(s)

What Was Missing

- All criteria met!

How to Improve (+2.0 points)

1. Configure a test framework (pytest, jest, etc.) (+2.0 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 (65803 bytes)
- Installation instructions found in README
- Usage examples found in README
- docs/ directory found
- Package __init__.py with documentation found

What Was Missing

- All criteria met!

Skill: Extensibility

Score: 7.0/10 points

Status: ✓ Good

Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	2.1	✗
Modular structure (3+ dirs)	3.0	2.1	✗
Interfaces/APIs	2.0	1.4	✗
Extension documentation	2.0	1.4	✗
TOTAL	10.0	7.0	

What Was Found

- Plugin/extension system found: .., src\core

What Was Missing

- All criteria met!

How to Improve (+3.0 points)

1. Refactor into modular structure with smaller files (+3.0 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: 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: README.md, docs\API_KEYS_SETUP.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: 8.0/10
- Quality Standards: 10.0/10
- Project Planning: 10.0/10
- Version Management: 10.0/10
- Research Analysis: 10.0/10
- Testing Quality: 8.0/10
- Code Documentation: 10.0/10
- Config Security: 10.0/10

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