

# DETAILED GRADE BREAKDOWN

## Assignment 4

Student ID: 87703

Repository: llm-hw-travel-guide

Assessment Date: 2025-12-23

FINAL SCORE: 56.5 / 100

Performance Tier: Potential

### Skills Summary

Skill	Score	Status
Ui Ux	7.0/10	✓ Good
Project Planning	8.5/10	✓ Excellent
Testing Quality	5.5/10	■ Fair
Quality Standards	0.0/10	✗ Poor
Research Analysis	10.0/10	✓ Excellent
Version Management	2.0/10	✗ Poor
Extensibility	3.0/10	✗ Poor
Costs Pricing	2.0/10	✗ Poor
Config Security	10.0/10	✓ Excellent
Code Documentation	8.5/10	✓ Excellent

# 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	✗
<b>TOTAL</b>	<b>10.0</b>	<b>7.0</b>	

## What Was Found

- Found 3 image(s)/screenshot(s)
- UI documentation found: design.md, requirements.txt

## What Was Missing

- All criteria met!

## How to Improve (+3.0 points)

1. Add more screenshots (currently 3, need 5+) (+3.0 points)

# Skill: Project Planning

Score: 8.5/10 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	0.8	✗
Functional Requirements	1.5	1.3	✗
Success Metrics	0.5	0.4	✗
<b>TOTAL</b>	<b>10.0</b>	<b>8.5</b>	

## What Was Found

- PRD.md found
- Functional Requirements found in PRD
- ARCHITECTURE.md found

## What Was Missing

- All criteria met!

## How to Improve (+1.5 points)

1. Add Problem Statement section to PRD.md (+1.0 point)
2. Add Success Metrics section to PRD.md (+0.5 points)

# Skill: Testing Quality

Score: 5.5/10 points

Status: ■ Fair

## Points Breakdown

Criterion	Max Points	Earned	Status
Test files exist	3.0	1.7	✗
Multiple test files (>3)	2.0	1.1	✗
Test framework configured	2.0	1.1	✗
Test functions (>10)	3.0	1.7	✗
<b>TOTAL</b>	<b>10.0</b>	<b>5.5</b>	

## What Was Found

- Found 1 test file(s)

## What Was Missing

- All criteria met!

## How to Improve (+4.5 points)

1. Configure a test framework (pytest, jest, etc.) (+2.0 points)
2. Write more test functions to reach >10 (+2.5 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	✗
<b>TOTAL</b>	<b>10.0</b>	<b>0.0</b>	

## 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: 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 7 research document(s)

## What Was Missing

- All criteria met!

# Skill: Version Management

Score: 2.0/10 points

Status: ✗ Poor

## Points Breakdown

Criterion	Max Points	Earned	Status
Git commits >10	2.0	0.4	✗
Meaningful commit messages	2.0	0.4	✗
PROMPT_BOOK.md exists	5.0	1.0	✗
Branching strategy	1.0	0.2	✗
<b>TOTAL</b>	<b>10.0</b>	<b>2.0</b>	

## What Was Found

## What Was Missing

- All criteria met!

## How to Improve (+8.0 points)

1. Make more commits (target: >10) (+2.0 points)
2. Improve commit message quality (+1.0 point)
3. Create PROMPT\_BOOK.md to document AI interactions (+5.0 points)

# Skill: Extensibility

Score: 3.0/10 points

Status: X Poor

## Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	0.9	<span>X</span>
Modular structure (3+ dirs)	3.0	0.9	<span>X</span>
Interfaces/APIs	2.0	0.6	<span>X</span>
Extension documentation	2.0	0.6	<span>X</span>
<b>TOTAL</b>	<b>10.0</b>	<b>3.0</b>	

## 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: Costs Pricing

Score: 2.0/10 points

Status: ✗ Poor

## Points Breakdown

Criterion	Max Points	Earned	Status
Cost analysis document	5.0	1.0	<span>✗</span>
Cost mentions in docs	3.0	0.6	<span>✗</span>
Budget tracking	2.0	0.4	<span>✗</span>
TOTAL	10.0	2.0	

## What Was Found

- Cost calculations found in code
- API pricing analysis found (excellent for LLM projects)

## What Was Missing

- All criteria met!

## How to Improve (+8.0 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 dedicated budget tracking document (+0.5 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: 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 (4228 bytes)
- Installation instructions found in README
- Usage examples found in README

## What Was Missing

- All criteria met!

## How to Improve (+1.5 points)

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

# Overall Assessment Summary

## Key Strengths (8+ points)

- Project Planning: 8.5/10
- Research Analysis: 10.0/10
- Config Security: 10.0/10
- Code Documentation: 8.5/10

## Critical Gaps (<5 points)

- Quality Standards: 0.0/10
- Version Management: 2.0/10
- Extensibility: 3.0/10
- Costs Pricing: 2.0/10

## Recommended Actions

### Immediate Priority:

- Address Quality Standards (0/10 points)

### High Priority:

- Improve Version Management (2.0/10 points)
- Improve Extensibility (3.0/10 points)
- Improve Costs Pricing (2.0/10 points)