

# DETAILED GRADE BREAKDOWN

## Assignment 3

Student ID: 63715

Repository: 3997-turing-machine

Assessment Date: 2025-12-03

FINAL SCORE: 73.0 / 100

Performance Tier: Potential

## Skills Summary

Skill	Score	Status
Ui Ux	5.0/10	■ Fair
Quality Standards	2.0/10	✗ Poor
Project Planning	8.5/10	✓ Excellent
Extensibility	1.0/10	✗ Poor
Testing Quality	10.0/10	✓ Excellent
Research Analysis	10.0/10	✓ Excellent
Version Management	10.0/10	✓ Excellent
Config Security	9.0/10	✓ Excellent
Costs Pricing	7.5/10	✓ Good
Code Documentation	10.0/10	✓ Excellent

# 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	✗
<b>TOTAL</b>	<b>10.0</b>	<b>5.0</b>	

## What Was Found

- Found 3 image(s)/screenshot(s)
- UI documentation found: notebooks\ANALYSIS\_GUIDE.md, notebooks\QUICK\_START.md, prompts\06\_comprehensive\_test\_suite.txt

## What Was Missing

- All criteria met!

## How to Improve (+5.0 points)

1. Add more screenshots (currently 3, need 5+) (+3.0 points)
2. Add UI screenshots to README.md (+2.0 points)

# 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	✗
<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. 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: 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: Extensibility

Score: 1.0/10 points

Status: ✗ Poor

## Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	0.3	<span style="color: red;">✗</span>
Modular structure (3+ dirs)	3.0	0.3	<span style="color: red;">✗</span>
Interfaces/APIs	2.0	0.2	<span style="color: red;">✗</span>
Extension documentation	2.0	0.2	<span style="color: red;">✗</span>
<b>TOTAL</b>	<b>10.0</b>	<b>1.0</b>	

## What Was Found

### What Was Missing

- All criteria met!

### How to Improve (+9.0 points)

1. Create plugin/extension system for modularity (+3.0 points)
2. Break down large files into smaller modules (+2.0 points)
3. Define interfaces/APIs for extensibility (+2.0 points)
4. Document extension/customization approach (+2.0 points)

# 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	✓
<b>TOTAL</b>	<b>10.0</b>	<b>10.0</b>	

## What Was Found

- Found 2 test file(s)

## 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	✓
<b>TOTAL</b>	<b>10.0</b>	<b>10.0</b>	

## What Was Found

- Found 1 Jupyter notebook(s) and 11 research document(s)
- Visualizations found in 1 notebook(s)
- Found 3 data file(s) for analysis

## 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	✓
<b>TOTAL</b>	<b>10.0</b>	<b>10.0</b>	

## What Was Found

- Prompt documentation found: docs\prompt\_book.md

## What Was Missing

- All criteria met!



# Skill: Config Security

Score: 9.0/10 points

Status: ✓ Excellent

## Points Breakdown

Criterion	Max Points	Earned	Status
No hardcoded secrets (CRITICAL)	5.0	4.5	✗
.env.example exists	2.0	1.8	✗
.gitignore exists	1.0	0.9	✗
Uses environment variables	2.0	1.8	✗
TOTAL	10.0	9.0	

### What Was Found

- No hardcoded secrets found in production code
- .env.example file found
- .gitignore file found

### What Was Missing

- No hardcoded secrets found in production code

### How to Improve (+1.0 points)

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

# 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
- 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)

# 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	✓
<b>TOTAL</b>	<b>10.0</b>	<b>10.0</b>	

## What Was Found

- README.md found (17086 bytes)
- Installation instructions found in README
- Usage examples found in README
- docs/ directory found

## What Was Missing

- All criteria met!

# Overall Assessment Summary

## Key Strengths (8+ points)

- Project Planning: 8.5/10
- Testing Quality: 10.0/10
- Research Analysis: 10.0/10
- Version Management: 10.0/10
- Config Security: 9.0/10
- Code Documentation: 10.0/10

## Critical Gaps (<5 points)

- Quality Standards: 2.0/10
- Extensibility: 1.0/10

## Recommended Actions

### Immediate Priority:

- All critical areas addressed - focus on optimization

### High Priority:

- Improve Quality Standards (2.0/10 points)
- Improve Extensibility (1.0/10 points)