

DETAILED GRADE BREAKDOWN

Assignment 2

Student ID: 48987

Repository: lstm

Assessment Date: 2025-12-02

FINAL SCORE: 41.5 / 100

Performance Tier: Below Standard

Skills Summary

Skill	Score	Status
Code Documentation	10.0/10	✓ Excellent
Project Planning	8.5/10	✓ Excellent
Extensibility	3.0/10	✗ Poor
Research Analysis	10.0/10	✓ Excellent
Ui Ux	2.0/10	✗ Poor
Testing Quality	0.0/10	✗ Poor
Quality Standards	0.0/10	✗ Poor
Costs Pricing	0.0/10	✗ Poor
Config Security	5.0/10	■ Fair
Version Management	3.0/10	✗ Poor

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 (7356 bytes)
- Installation instructions found in README
- Usage examples found in README
- Package __init__.py with documentation found

What Was Missing

- All criteria met!

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	✗
TOTAL	10.0	8.5	

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: 3.0/10 points

Status: **X** Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	0.9	X
Modular structure (3+ dirs)	3.0	0.9	X
Interfaces/APIs	2.0	0.6	X
Extension documentation	2.0	0.6	X
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: 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 research document(s)

What Was Missing

- All criteria met!

Skill: Ui Ux

Score: 2.0/10 points

Status: X Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Screenshots/images (1+)	3.0	0.6	X
Screenshots/images (5+)	3.0	0.6	X
UI documentation	2.0	0.4	X
User guide exists	2.0	0.4	X
TOTAL	10.0	2.0	

What Was Found

- UI documentation found: requirements.txt

What Was Missing

- All criteria met!

How to Improve (+8.0 points)

1. Add screenshots of your application (+3.0 points)
2. Add at least 5 screenshots showing different features (+3.0 points)
3. Add UI screenshots to README.md (+2.0 points)

Skill: Testing Quality

Score: 0.0/10 points

Status: **X** Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Test files exist	3.0	0.0	X
Multiple test files (>3)	2.0	0.0	X
Test framework configured	2.0	0.0	X
Test functions (>10)	3.0	0.0	X
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: Quality Standards

Score: 0.0/10 points

Status: **X** Poor

Points Breakdown

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

Score: 0.0/10 points

Status: **X** Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Cost analysis document	5.0	0.0	X
Cost mentions in docs	3.0	0.0	X
Budget tracking	2.0	0.0	X
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: 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)

Skill: Version Management

Score: 3.0/10 points

Status: ✕ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Git commits >10	2.0	0.6	✗
Meaningful commit messages	2.0	0.6	✗
PROMPT_BOOK.md exists	5.0	1.5	✗
Branching strategy	1.0	0.3	✗
TOTAL	10.0	3.0	

What Was Found

What Was Missing

- All criteria met!

How to Improve (+7.0 points)

1. Make more commits (target: >10) (+2.0 points)
2. Create PROMPT_BOOK.md to document AI interactions (+5.0 points)

Overall Assessment Summary

Key Strengths (8+ points)

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

Critical Gaps (<5 points)

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

Recommended Actions

Immediate Priority:

- Address Testing Quality (0/10 points)
- Address Quality Standards (0/10 points)
- Address Costs Pricing (0/10 points)

High Priority:

- Improve Extensibility (3.0/10 points)
- Improve Ui Ux (2.0/10 points)
- Improve Version Management (3.0/10 points)