

# DETAILED GRADE BREAKDOWN

## Assignment 2

Student ID: 48961

Repository: Assignment2\_LSTM\_extracting\_frequencies

Assessment Date: 2025-12-02

## FINAL SCORE: 87.5 / 100

Performance Tier: Good

## Skills Summary

Skill	Score	Status
Ui Ux	10.0/10	✓ Excellent
Project Planning	5.0/10	■ Fair
Extensibility	7.0/10	✓ Good
Research Analysis	10.0/10	✓ Excellent
Testing Quality	10.0/10	✓ Excellent
Quality Standards	10.0/10	✓ Excellent
Version Management	10.0/10	✓ Excellent
Code Documentation	10.0/10	✓ Excellent
Config Security	6.0/10	✓ Good
Costs Pricing	9.5/10	✓ Excellent

# Skill: Ui Ux

**Score: 10.0/10 points**

Status: ✓ Excellent

## Points Breakdown

Criterion	Max Points	Earned	Status
Screenshots/images (1+)	3.0	3.0	✓
Screenshots/images (5+)	3.0	3.0	✓
UI documentation	2.0	2.0	✓
User guide exists	2.0	2.0	✓
<b>TOTAL</b>	<b>10.0</b>	<b>10.0</b>	

## What Was Found

- Found 15 image(s)/screenshot(s)
- Excellent visual documentation with 5+ images
- UI documentation found: requirements-dev.txt, requirements.txt, docs\development\QUICK\_FIX\_SUMMARY.md

## What Was Missing

- All criteria met!

# Skill: Project Planning

Score: 5.0/10 points

Status: ■ Fair

## Points Breakdown

Criterion	Max Points	Earned	Status
PRD.md exists	2.0	0.0	✗
ARCHITECTURE.md exists	5.0	5.0	✓
Problem Statement	1.0	0.5	✗
Functional Requirements	1.5	0.8	✗
Success Metrics	0.5	0.2	✗
<b>TOTAL</b>	<b>10.0</b>	<b>5.0</b>	

## What Was Found

- ARCHITECTURE.md found

## What Was Missing

- All criteria met!

## How to Improve (+5.0 points)

1. Create PRD.md with Problem Statement, Functional Requirements, and Success Metrics (+4.0 points)

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

## What Was Found

- Plugin/extension system found: .

## What Was Missing

- All criteria met!

## How to Improve (+3.0 points)

1. Refactor into modular structure with smaller files (+3.0 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	✓
<b>TOTAL</b>	<b>10.0</b>	<b>10.0</b>	

## What Was Found

- Found 77 research document(s)
- Found 1 data file(s) for analysis

## What Was Missing

- All criteria met!

# 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 15 test file(s)

## What Was Missing

- All criteria met!

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

## What Was Found

- Code style guide found: CODE\_OF\_CONDUCT.md, CONTRIBUTING.md

## 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\development\DEVELOPMENT\_PROMPTS\_LOG.md

## What Was Missing

- All criteria met!

# 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 (60694 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: Config Security

Score: 6.0/10 points

Status: ✓ Good

## Points Breakdown

Criterion	Max Points	Earned	Status
No hardcoded secrets (CRITICAL)	5.0	3.0	✗
.env.example exists	2.0	1.2	✗
.gitignore exists	1.0	0.6	✗
Uses environment variables	2.0	1.2	✗
<b>TOTAL</b>	<b>10.0</b>	<b>6.0</b>	

## What Was Found

- No hardcoded secrets found in production code
- .gitignore file found with .env properly ignored

## What Was Missing

- No hardcoded secrets found in production code

## How to Improve (+4.0 points)

1. Create .env.example file to document required environment variables (+2.0 points)
2. Implement environment variable usage in code (+1.0 point)
3. Improve overall security practices (+1.0 point)

# Skill: Costs Pricing

**Score: 9.5/10 points**

Status: ✓ Excellent

## Points Breakdown

Criterion	Max Points	Earned	Status
Cost analysis document	5.0	4.8	✗
Cost mentions in docs	3.0	2.8	✗
Budget tracking	2.0	1.9	✗
<b>TOTAL</b>	<b>10.0</b>	<b>9.5</b>	

## What Was Found

- Multiple cost documents found (6): docs\guides\COST\_ANALYSIS\_GUIDE.md, docs\innovations\COST\_ANALYSIS\_CHECKLIST.md
- Cost calculations found in code
- API pricing analysis found (excellent for LLM projects)

## What Was Missing

- All criteria met!

## How to Improve (+0.5 points)

1. Create dedicated budget tracking document (+0.5 points)

# Overall Assessment Summary

## Key Strengths (8+ points)

- Ui Ux: 10.0/10
- Research Analysis: 10.0/10
- Testing Quality: 10.0/10
- Quality Standards: 10.0/10
- Version Management: 10.0/10
- Code Documentation: 10.0/10
- Costs Pricing: 9.5/10

## 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