DETAILED GRADE BREAKDOWN

Assignment 2

Student ID:	48993
Repository:	HW2_LSTM_Frequency_Extraction
Assessment Date:	2025-12-04

FINAL SCORE: 71.0 / 100

Performance Tier: Potential

Skills Summary

Skill	Score	Status
Ui Ux	10.0/10	✓ Excellent
Quality Standards	0.0/10	✗ Poor
Project Planning	10.0/10	✓ Excellent
Version Management	5.0/10	■ Fair
Testing Quality	10.0/10	✓ Excellent
Extensibility	1.0/10	✗ Poor
Research Analysis	10.0/10	✓ Excellent
Costs Pricing	5.0/10	■ Fair
Config Security	10.0/10	✓ Excellent
Code Documentation	10.0/10	✓ 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	✓
TOTAL	**10.0**	**10.0**	

What Was Found

• Found 18 image(s)/screenshot(s)

• Excellent visual documentation with 5+ images

• UI documentation found: ASSIGNMENT_REQUIREMENTS.md, requirements.txt, agent_communication\QUICK_START.md

What Was Missing

• All criteria met!

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	✗
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: 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: 5.0/10 points

Status: ■ Fair

Points Breakdown

Criterion	Max Points	Earned	Status
Git commits >10	2.0	1.0	✗
Meaningful commit messages	2.0	1.0	✗
PROMPT_BOOK.md exists	5.0	2.5	✗
Branching strategy	1.0	0.5	✗
TOTAL	**10.0**	**5.0**	

What Was Found

What Was Missing

• All criteria met!

How to Improve (+5.0 points)

1. Create PROMPT_BOOK.md to document AI interactions (+5.0 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	✓
TOTAL	**10.0**	**10.0**	

What Was Found

• Found 10 test file(s)

What Was Missing

• All criteria met!

Skill: Extensibility

Score: 1.0/10 points

Status: ✗ Poor

Points Breakdown

Criterion	Max Points	Earned	Status
Plugin/extension system	3.0	0.3	✗
Modular structure (3+ dirs)	3.0	0.3	✗
Interfaces/APIs	2.0	0.2	✗
Extension documentation	2.0	0.2	✗
TOTAL	**10.0**	**1.0**	

What Was Found

• Basic extensibility documentation found: README.md (extensibility section)

What Was Missing

• All criteria met!

How to Improve (+9.0 points)

1. Create plugin/extension system for modularity (+3.0 points)

2. Refactor into modular structure with smaller files (+3.0 points)

3. Define interfaces/APIs for extensibility (+2.0 points)

4. Add extension points and code examples (+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	✓
TOTAL	**10.0**	**10.0**	

What Was Found

• Found 35 research document(s)

• Found 21 data file(s) for analysis

What Was Missing

• All criteria met!

Skill: Costs Pricing

Score: 5.0/10 points

Status: ■ Fair

Points Breakdown

Criterion	Max Points	Earned	Status
Cost analysis document	5.0	2.5	✗
Cost mentions in docs	3.0	1.5	✗
Budget tracking	2.0	1.0	✗
TOTAL	**10.0**	**5.0**	

What Was Found

• Substantial cost discussion found (14 mentions)

What Was Missing

• All criteria met!

How to Improve (+5.0 points)

1. Consolidate into dedicated cost analysis document (+3.0 points)

2. Add more detailed cost analysis (+1.0 point)

3. Create dedicated budget tracking system (+1.0 point)

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: 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 (54969 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!

Overall Assessment Summary

Key Strengths (8+ points)

• Ui Ux: 10.0/10

• Project Planning: 10.0/10

• Testing Quality: 10.0/10

• Research Analysis: 10.0/10

• Config Security: 10.0/10

• Code Documentation: 10.0/10

Critical Gaps (<5 points)

• Quality Standards: 0.0/10

• Extensibility: 1.0/10

Recommended Actions

Immediate Priority:

• Address Quality Standards (0/10 points)

High Priority:

• Improve Extensibility (1.0/10 points)