

# Assignment 2 - Detailed Feedback Report

Student ID: 48971

## Assessment Overview

Your submission demonstrates a foundation that shows potential but requires substantial development. While there are fundamental elements in place, there are multiple critical areas requiring attention. You have substantial potential to improve, and the recommendations below outline a clear path forward to strengthen your software engineering practices and meet the assignment requirements.

## Areas of Excellence

Your submission demonstrates particular strength in the following areas:

### Project Planning

- PRD.md found
- Problem Statement found in PRD
- Functional Requirements found in PRD

### Research Analysis

- Found 1 Jupyter notebook(s) and 3 research document(s)
- Multiple research artifacts for comprehensive analysis
- Visualizations found in 1 notebook(s)

### Testing Quality

- Found 3 test file(s)

- Good test coverage with 3 test file(s)
- Excellent test count: 40 test functions

## Code Documentation

- README.md found (21789 bytes)
- Installation instructions found in README
- Usage examples found in README

## Areas for Improvement and Development

The following areas require focused attention and development. Addressing these will significantly strengthen your software engineering practices and overall project quality:

### Ui Ux

Current Status: UI documentation found: DESIGN.md, requirements.txt

Recommended Actions:

- Add screenshots of your application
- Add at least 5 screenshots showing different features
- Add UI screenshots to README.md

### Quality Standards

Current Status: Code quality information in README: README.md (quality standards section)

Recommended Actions:

- Configure linting tools (pylint, eslint, etc.)
- Set up CI/CD pipeline (GitHub Actions, GitLab CI, etc.)
- Create dedicated style guide or CONTRIBUTING.md

- Set up pre-commit hooks for automatic quality checks

## **Extensibility**

Current Status: Somewhat modular (avg 209 lines/file)

Recommended Actions:

- Create plugin/extension system for modularity
- Break down large files into smaller modules
- Define more interfaces for better extensibility
- Add extension points and code examples

## **Version Management**

Current Status: Limited commit history: 2 commits

Recommended Actions:

- Make more commits (target: >10)
- Create PROMPT\_BOOK.md to document AI interactions

## **Costs Pricing**

Current Status: Limited cost documentation (2 mentions)

Recommended Actions:

- Create cost analysis document (e.g., COSTS.md, budget.xlsx)
- Add detailed cost analysis
- Create budget tracking system/document

## Priority Action Items

### High Priority Enhancements:

These areas would significantly strengthen your submission and should be addressed after the immediate focus items:

- Improve Ui Ux
- Improve Quality Standards
- Improve Extensibility
- Improve Version Management
- Improve Costs Pricing

## Conclusion

Your submission demonstrates potential, but requires substantial development in multiple critical areas. Focus first on the immediate priority items, which address fundamental requirements. Work systematically through each area, seeking examples and best practices. Remember that software engineering is a skill that develops through practice and iteration. Use this feedback as a roadmap for improvement.

Assessment Date: 2025-12-04

This report provides developmental feedback to support your learning and growth.