

# Assignment 1 - Detailed Feedback Report

Student ID: 38993

## Assessment Overview

Your submission demonstrates a good foundation with significant room for growth. You have addressed several core requirements, and there is significant potential to elevate your work. The areas identified below represent opportunities for substantial improvement that will strengthen your software engineering practices and LLM application development skills.

## Areas of Excellence

Your submission demonstrates particular strength in the following areas:

### Ui Ux

- Found 8 image(s)/screenshot(s)
- Excellent visual documentation with 5+ images
- README includes UI screenshots/documentation

### Project Planning

- PRD.md found
- Functional Requirements found in PRD
- ARCHITECTURE.md found

### Research Analysis

- Found 1 Jupyter notebook(s) and 6 research document(s)
- Multiple research artifacts for comprehensive analysis

- Visualizations found in 1 notebook(s)

### **Testing Quality**

- Found 4 test file(s)
- Excellent test coverage with 4 test files
- Excellent test count: 26 test functions

### **Config Security**

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

### **Code Documentation**

- README.md found (8552 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:

### **Quality Standards**

Current Status: Linting configured: pyproject.toml

Recommended Actions:

- 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
- Add more quality tools

## **Extensibility**

Current Status: Excellent modular structure (avg 72 lines/file)

Recommended Actions:

- Create plugin/extension system for modularity
- Define more interfaces for better extensibility
- Document how to extend/customize the system

## **Costs Pricing**

Recommended Actions:

- Create cost analysis document (e.g., COSTS.md, budget.xlsx)
- Document costs, pricing, and budget considerations
- Create budget tracking system/document

## Priority Action Items

### Immediate Focus Areas:

These items require your immediate attention as they represent critical gaps in the current submission:

- Address Costs Pricing

### High Priority Enhancements:

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

- Improve Quality Standards
- Improve Extensibility

## Conclusion

Your submission shows good potential and a developing understanding of software engineering principles. The areas identified above represent clear opportunities for growth. Focus on the immediate priority items first, then systematically work through the other recommendations. With dedicated effort on these areas, you can significantly strengthen your skills and project quality.

Assessment Date: 2025-12-04

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