

# Assignment 3 - Detailed Feedback Report

Student ID: 63691

## 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:

### Project Planning

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

### Research Analysis

- Found 1 Jupyter notebook(s) and 8 research document(s)
- Multiple research artifacts for comprehensive analysis
- Visualizations found in 1 notebook(s)

### Testing Quality

- Found 7 test file(s)
- Excellent test coverage with 7 test files

- Excellent test count: 197 test functions

### **Config Security**

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

### **Costs Pricing**

- Cost analysis document found: docs\COST\_ANALYSIS.md
- Comprehensive cost documentation (195 mentions in 4 files)
- Cost calculations found in code

### **Code Documentation**

- README.md found (16972 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: requirements.txt, docs\BUILDING\_BLOCKS.md

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: Linting configured: pyproject.toml

Recommended Actions:

- Set up CI/CD pipeline (GitHub Actions, GitLab CI, etc.)
- Create code style guide or CONTRIBUTING.md
- Set up pre-commit hooks for automatic quality checks
- Configure quality assurance tools

## **Extensibility**

Current Status: Good modular structure (avg 189 lines/file)

Recommended Actions:

- Create plugin/extension system for modularity
- Further refactor to smaller modules
- Define interfaces/APIs for extensibility
- Document extension/customization approach

## 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

## 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: 2025-12-03

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