

# Assignment 1 - Detailed Feedback Report

Student ID: 38955

## 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:

### Research Analysis

- Found 4 research document(s)
- Multiple research artifacts for comprehensive analysis
- Research documentation includes visualizations

### Testing Quality

- Found 5 test file(s)
- Excellent test coverage with 5 test files
- Test framework configured: pytest.ini

### Version Management

- Good commit history: 24 commits
- Excellent commit message quality (100% meaningful)

- Prompt documentation found: Documentation\PROMPTS.md

## 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 (25243 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: 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

## 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

## **Extensibility**

Current Status: Excellent modular structure (avg 109 lines/file)

Recommended Actions:

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

## 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.