

NomNom Safe Development Project

Final Progress Report

Developed by: Anna Dinius

Project Duration: September 8 – November 23, 2025

Sprints: 2 (Sprint 1: 5 weeks, Sprint 2: 5 weeks)

Project Overview

Mission Statement

Empower users to dine out with confidence, knowing their dietary needs are respected and supported.

Repository

GitHub: <https://github.com/Anna-Dinius/Individual-Project/tree/main>

The Problem

!! Why This Application Matters

Challenge: unclear and inaccessible allergen information for restaurants

Why It's Important

- Empowers people with clear, trustworthy allergen guidance, helping them avoid accidental allergen exposure and build confidence in dining out

How I Solved It

Development Process

Agile Sprint Methodology:

- **Sprint 1:** Creating minimal viable product (MVP)
- **Sprint 2:** Improving user experience via UI & feature additions

Code Quality Metrics

Quality Indicators

- **Test Coverage:** 135 comprehensive test cases
- **Code Organization:** Clear module separation
- **Documentation:** Comprehensive user manual & architecture design docs
- **Error Handling:** Robust validation and exceptions
- **Maintainability:** DRY principles, reusable components









Quality Assurance - Test Distribution:






- **Unit Tests:** Core logic validation
- **Integration Tests:** Feature interaction
- **Acceptance Tests:** User scenarios
- **Regression Tests:** Cross-sprint validation
- **End-to-End Tests:** Workflow validation

Sprint Achievements Summary

Sprint 1 (MVP)

-  Basic UI
-  Allergen selection
-  View restaurant list
-  Filter restaurants by allergens
-  View restaurant details
-  **Burndown: 100%**

Sprint 2 (Enhancement)


-  Filter restaurants by cuisine
-  View restaurant menu
-  Filter menu items
-  User profiles
-  **Burndown: 100%**

Key Numbers - Total Project



Overall Statistics

- **Total Lines of Code: ~8,193**
 - Production Code: ~3,843 lines
 - Test Code: ~4,350 lines
- **Total Features: 8**
 - Sprint 1: 4 features
 - Sprint 2: 4 features
- **Total Requirements: 24**
 - Sprint 1: 4 requirements
 - Sprint 2: 20 requirements

- **Total Tests:** 135 test cases
- **Total Test Files:** 64
-  **Burndown Rate:**
 - Sprint 1: 100% (4/4 requirements)
 - Sprint 2: 100% (20/20 requirements)
 - Overall: 100% (24/24 requirements)

Conclusion

Project Success

Delivered: A fully functional, well-tested, user-friendly food safety app

Thank You

Questions?

Resources for More Information:

- **GitHub.io page:** <https://anna-dinius.github.io/Individual-Project>
- **GitHub Repository:** <https://github.com/Anna-Dinius/Individual-Project/tree/main>