NomNomSafe

Business-Facing MVP & Learning With AI

ASE 485 – Capstone Project

Project Plan Presentation (PPP)

Problem Context

What is NomNomSafe?

NomNomSafe is a system designed to help restaurants **manage and communicate allergen-related menu information clearly and intentionally**.

It treats menu data as **living, safety-relevant information**, not static text.

Problem Context

The Domain

- Restaurant menu management
- Food allergens and safety communication
- Business-owned data and accountability

The Problem

- Menus change frequently
- Allergen information is often implicit or inconsistent
- Updates are manual and error-prone
- Small mistakes can carry real risk

Problem Context

Motivation

For business users:

- Confidence that menu data is accurate
- Clear ownership of allergen information
- Reduced ambiguity during updates

For the system:

- Structured, reviewable data
- Predictable behavior
- A foundation that supports safety-first decisions

Sprint Structure

Incremental and Intentional

Sprint 1 is designed to:

- Reduce complexity before adding features
- Establish clear MVP boundaries
- Produce a stable, usable business-facing foundation

Each sprint builds on **clarity and correctness**, not feature volume.

Sprint 1 Scope (Culminates in MVP)

What Sprint 1 Delivers

- A functional **business-user MVP**

- Clear separation between MVP and non-MVP features

- Improved front-end structure and maintainability

- Core workflows that could realistically ship

This sprint focuses on *doing fewer things well.*

Feature 1: Archive Non-MVP Features

Goal

Reduce active system complexity.

What This Means

- Non-MVP features are hidden from the UI
- Archived features cannot be accessed through routing
- Code is retained, clearly labeled, and inactive

Why It Matters

- Prevents accidental use
- Clarifies project scope
- Makes refactoring safer

Feature 2: Refactor MVP Features (Front-End)

Goal

Improve structure without changing behavior.

What This Means

- MVP behavior remains unchanged
- Validation and error handling become consistent
- Front-end code follows clean design principles

Why It Matters

- Easier to maintain and extend
- Reduces technical debt early
- Improves confidence in future changes

Feature 3: Expanded Search, Filter, and Sort

Goal

Improve item discovery for business users.

What This Means

- Search items by name
- Filter by menu
- Filter by allergen inclusion or exclusion
- Combine search, filter, and sort predictably

Why It Matters

- Faster item management
- Less friction during review
- Better control over allergen-related data

Feature 4: Improved Business Onboarding

Goal

Make onboarding clear and unambiguous.

What This Means

- Structured onboarding flow
- Manual entry supported
- Optional prefilled data from external services
- Required fields clearly indicated and validated

Why It Matters

- Fewer onboarding errors
- Clear expectations
- Cleaner business data

Sprint 1 Schedule & Milestones

Week-by-Week

Week 4: Feature Isolation

- Identify MVP vs non-MVP
- Archive non-MVP features

Week 5: Front-End Refactoring

- Apply design principles
- Standardize validation

Week 6: Item Discovery Enhancements

- Search, filter, sort

Week 7: Onboarding Improvements

- Structured, validated business profiles

Learning With AI – Topic 1

Food Allergen Ontology

What I Am Exploring

- How allergen concepts can be structured

- Entities, relationships, and rules

- Where ambiguity naturally appears

Learning With AI – Topic 2

AI-Assisted Menu Parsing & Review

What I Am Exploring

- Whether AI can assist during menu imports
- Highlighting possible allergens
- Catching misspellings or ambiguous terms

Key Boundary

- AI suggestions are **reviewable and editable**
- Business users remain responsible for decisions

Closing

Where This Leaves Us

- Sprint 1 delivers a clear, stable business-user MVP

- Scope is intentional and controlled

- Learning with AI is exploratory and reflective

More detailed requirements and documentation are available in:

- The project repository

- Canvas capstone pages

Questions or discussion?