Individual Project

NomNom Safe

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NomNom Safe as a Solution

Problem:

- **Difficulty accessing reliable allergen and dietary information from independent and locally-owned food service businesses**, who often lack accessible tools for sharing that information

Example: Smokey Bones (4 pages)

STARTERS	Gluten Free	Egg	Fish	Milk	MSG	Peanuts	Shellfish	Soy	Sulfites	Tree Nuts	Wheat	Other Gluten
STARTERS												
Pretzel Bones	N	N	N	N	N	N	Y	N	N	Y	Y	
with Beer Cheese	Y	N	N	Y	Y	N	N	N	N	N	N	Y
Fried Pickles	N	N	N	N	N	N	N	N	N	N	Y	
with Ranch Dressing	N	Y	N	Y	N	N	N	N	Y	N	Y	
Loaded Cheese Fries	Y	Y	N	Y	N	N	N	N	N	N	N	
with Ranch Dressing	Y	Y	N	Y	N	N	N	N	Y	N	N	
Korean BBQ Pork Belly Pops	N	Y	N	N	N	N	N	Y	N	N	Y	
New Cornbread 2 pc WITH Pecan Butter	N	N	N	Y	N	N	N	Y	N	Y	Y	
New Cornbread 2 pc without Pecan Butter	N	N	N	Y	N	N	N	Y	N	Y	Y	
New Cornbread 4 pc WITH Pecan Butter	N	N	N	Y	N	N	N	Y	N	Y	Y	
New Cornbread 4 pc without Pecan Butter	N	N	N	Y	N	N	N	Y	N	Y	Y	
The BBQ Mag Nacho	N	N	N	Y	N	N	N	Y	Y	N	Y	
Mini Mag Nacho	N	N	N	Y	N	N	N	Y	Y	N	Y	
New BBQ Crowd Pleaser	N	Y	N	Y	N	N	N	Y	N	N	Y	Y
with Ranch Dressing	Y	Y	N	Y	N	N	N	N	Y	N	N	
Soups												
Loaded Brisket Chili	N	N	N	Y	N	N	N	N	N	N	N	
Brunswick Stew	N	N	Y	N	N	N	N	Y	N	N	N	
Salads												
Salad - Bones, Plain (197 w/o dressing)	w/o croutons	N	N	N	N	N	N	N	N	N	N w/o croutons	depending on dressing
Salad - Bones with Chicken (445 w/o dressing)	w/o croutons	N	N	N	N	N	N	N	N	N	N w/o croutons	depending on dressing
Salad - Bones with Fried Chicken (467 w/o dressing)	w/o croutons	N	N	N	N	N	N	N	N	N	Y	depending on dressing
Salad - Bones with Sirloin (491 w/o dressing)	w/o croutons	N	N	N	N	N	N	N	N	N	N w/o croutons	depending on dressing
Salad - Bones with Grilled Shrimp (239 w/o dressing)	w/o croutons	N	N	Y	N	N	N	Y	N	N	N w/o croutons	depending on dressing
Salad - Bones with Salmon (725 w/o dressing)	w/o croutons	N	N	Y	N	N	N	Y	N	N	N w/o croutons	depending on dressing
Caesar with Chicken	N	Y	Y	Y	N	N	N	Y	N	N	Y	
Caesar with Salmon	N	Y	Y	Y	N	N	N	Y	N	N	Y	
Caesar with Steak	N	Y	Y	Y	N	N	N	Y	N	N	Y	
Nutty Chicken Salad	N	N	N	Y	N	N	N	N	N	Y	N	
Side Salad	w/o croutons	N	N	N	N	N	N	N	N	N		depending on dressing
Side Caesar	N	Y	Y	Y	N	N	N	Y	N	N	Y	
DRESSINGS	Gluten Free	Egg	Fish	Milk	MSG	Peanuts	Shellfish	Soy	Sulfites	Tree Nuts	Wheat	Other Gluten
Ranch	N	Y	N	Y	N	N	N	Y	Y	N	Y	
Bacon Vinaigrette	Y	N	Y	Y	N	N	N	N	N	Y	N	
Honey Mustard	N	Y	N	Y	N	N	N	Y	Y	N	Y	
Caesar	N	Y	Y	Y	N	N	N	N	N	N	Y	Y
Blue Cheese	N	Y	N	Y	N	N	N	N	N	N	Y	Y
Balsamic Vinaigrette	N	N	N	Y	N	N	N	N	Y	N	Y	Y

Example: Cheesecake Factory (13 pages)

Product Name	NOTES	ALLERGENS (Listed as 'Contains' or 'May Contains' if allergen exists in the product)													
		Gluten	Crustaceas	Egg	Fish	Peanuts	Soybeans	Nuts	Milk	Sulphites	Celery	Mustard	Sesame	Clams	Lupin
SPECIALITY DRINKS															
ON THE ROCKS															
PINEAPPLE CHERRY LIMEADE										Contains					
TROPICAL GINGER COOLER															
ITALIAN ORANGE SODA															
COCONUT LIMEADE															
LEMON MINT COOLER															
BERRY SPRITZER															
CITRUS SPLASH															
ISLAND COOLER															
BLENDED															
STRAWBERRY DAIQUIRI															
PINA COLADA										Contains					
FROZEN ICED MANGO															
TROPICAL FRUIT SMOOTHIE															
STRAWBERRY FRUIT SMOOTHIE															
PEACH SMOOTHIE															
MOJITOS															
COCONUT MOJITO								Contains		Contains					
MOJITO															
PINEAPPLE MOJITO															
STRAWBERRY MOJITO															
PASSION FRUIT MOJITO															
CUCUMBER MOJITO															
SMALL PLATES & SNACKS															
LITTLE HOUSE SALAD		Contains					Contains			Contains		Contains			
CRISPY BRUSSELS SPROUTS							Contains		Contains						
STUFFED MUSHROOMS		Contains		Contains			Contains	May Contain	Contains	Contains	Contains				
LOADED BAKED POTATO TOTS		Contains		Contains			Contains		Contains	Contains		Contains			
BEET AND AVOCADO SALAD							Contains		Contains	May Contain					
CHEESEBURGER SPRING ROLLS		Contains		Contains			Contains		Contains	Contains	Contains	Contains			
KOREAN FRIED CAULIFLOWER		Contains		Contains	Contains		Contains		Contains	Contains		Contains	Contains		
CHICKEN TAQUITOS		Contains		Contains			Contains		Contains	Contains	Contains	Contains			
CHICKEN SAMOSAS		Contains		Contains		May Contain	Contains	May Contain	Contains	Contains		Contains			
FRIED ZUCCHINI		Contains		Contains	Contains		Contains		Contains	Contains		Contains			
CRISPY FRIED CHEESE		Contains		Contains			Contains		Contains						
CRISPY TEMPURA SHRIMP		Contains	Contains	Contains	May Contain		Contains			Contains		Contains	Contains		

Example: Dunkin' Donuts (182 pages)

PRODUCT NAME	Bulls Donut
CATEGORY	Donuts - Regional
FLAVOR	Bulls Donut
INGREDIENTS	Donut: Enriched Wheat Flour (Flour, Malted Barley Flour, Niacin, Reduced Iron, Thiamin Mononitrate, Riboflavin, Folic Acid), Water, Palm Oil, Yeast Donut Concentrate [Soy Flour, Salt, Leavening (Sodium Acid Pyrophosphate, Baking Soda), Wheat Starch, Whey (a milk derivative), Nonfat Dry Milk, Gum Blend (Cellulose Gum, Guar Gum, Acacia Gum, Carrageenan, Xanthan Gum), Sodium Caseinate (a milk derivative), Sodium Stearoyl Lactylate, Contains 2% or less of: Soybean Oil, Soy Lecithin, Whole Egg, Natural Flavor, Turmeric Extract (Color)], Enzymes, Annatto Extract (Color), Yeast, Dextrose, Mono and Diglycerides, Ascorbic Acid; Red Icing: [Vanilla Flavored Icing: Sugar, Water, Corn Syrup, Rice Starch, High Fructose Corn Syrup, Palm Oil, Corn Starch, Contains 2% or less of: Maltodextrin, Dextrose, Soybean Oil, Artificial Flavor, Salt, Sodium Propionate and Potassium Sorbate (Preservatives), Citric Acid, Polyglycerol Esters of Fatty Acids, Agar, Soy Lecithin, Spirulina Extract (Color); Red Coloring: Glycerin, Red Beet Powder and Annatto (Colors)]; Vanilla Flavored Icing: Sugar, Water, Corn Syrup, Rice Starch, High Fructose Corn Syrup, Palm Oil, Corn Starch, Contains 2% or less of: Maltodextrin, Dextrose, Soybean Oil, Artificial Flavor, Salt, Sodium Propionate and Potassium Sorbate (Preservatives), Citric Acid, Polyglycerol Esters of Fatty Acids, Agar, Soy Lecithin, Spirulina Extract (Color).
ALLERGENS	Eggs, Milk, Soy, Wheat

PRODUCT NAME	Buttermilk Donut
CATEGORY	Donuts - Regional
FLAVOR	Buttermilk Donut
INGREDIENTS	Donut: Buttermilk Cake Donut Mix [Enriched Wheat Flour (Wheat Flour, Malted Barley Flour, Niacin, Iron, Thiamin Mononitrate, Riboflavin, Folic Acid), Sugar, Soybean Oil, Powdered Buttermilk, Dry Egg Yolk, Leavening (Sodium Bicarbonate, Sodium Acid Pyrophosphate, Sodium Aluminum Phosphate), Modified Food Starch, Soy Flour, Salt, Natural Flavor, Soy Lecithin, Konjac Flour], Water, Palm Oil; Glaze: Sugar, Water, Maltodextrin, Contains 2% or less of: Corn Starch, Mono and Diglycerides, Citric Acid, Agar, Cellulose Gum, Potassium Sorbate (Preservative), Artificial Flavor.

Sprint 1 Retrospective

(9/8/2025 - 10/14/2025)

Project Metrics

- Number of features planned: **4**

- Number of features implemented: **4**

- Number of requirements planned: **4**

- Number of requirements met: **4**

- 🔥 Burndown rate:
  - **100%** total
  - **25%** per week
  - **~3.6%** per day

- Total LoC: **1,403**

Features Implemented

✅ Allergen input/selection

✅ Ability to change allergen input/selection

✅ List of restaurant names based on allergen input/selection

✅ Ability to view restaurant information (cuisine, address, hours, website, phone number)

What Went Wrong

- Milestones/plan was not fully fleshed out
- Schedule complications

What Went Well

- 100% burndown rate overall

Analysis & Improvement Plan

- Apply the start early, finish early rule

Week-by-Week Progress Summary

- Week 2: Design, DB set up, home page UI, restaurant list retrieval
- Week 3: Filter restaurants by allergen selection, restaurant detail page UI
- Week 4: UI improvements
- Week 5: generate tests, implement error handling, refactored code

Sprint 2 Plan

(10/20/2025 - 11/23/2025)

Goals

Implement the following features:

1. Filter restaurants by cuisine

2. View restaurant menu

3. Filter menu items

4. User profiles

Metrics

Total number of features planned: **4**

Total number of epic requirements planned: **5**

Total number of sub requirements planned: **15**

Total number of requirements planned: **20**

Timeline & Milestones

- Week 6: Implement restaurant filter feature

- Week 7: Implement view restaurant menu feature

- Week 8: Implement filter menu items feature

- Week 9: Implement user profiles feature

- Week 10: Testing, documentation, error handling

Key Dates

- Individual presentation: 10/29/2025
- Individual milestones:
    i. 10/26: have restaurant filter feature fully implemented

    ii. 11/2: have view restaurant menu feature fully implemented

    iii. 11/9: have filter menu items feature fully implemented

    iv. 11/16: have user profiles feature fully implemented

    v. 11/23: have testing, documentation, and error handling completed