

Nom Nom Safe

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Problem Statement

“Restaurants lack a centralized, user-friendly way to manage and communicate allergen-related menu information, leading to potential health risks for customers and inefficiencies for businesses.”

Development Plan

Sprint 1 (March 24 - April 6)

- Frontend Development Only
- Goal: Have all major UI components built and styled

Sprint 2 (April 7 - April 20)

- Backend Development & Integration
- Goal: Connect frontend to backend with MongoDB, implement business logic

Sprint 3 (April 21 - May 2)

- Bug Fixes, Testing, Documentation
- Goal: Have a full-stack application with proper documentation and testing ready for demonstration & submission

Rules

- No Surprises
- Divide and Conquer
- Start early and finish early
- Buy, don't build
- Comment your code
 - Provide descriptions for functions
 - Provide clarification as necessary
- CC all team members on emails to the professor regarding the project.
- One person will take notes of what is discussed in a meeting for those who are not there.
 - The note-taker for the meeting should be available to make time to answer questions for those who could not make it.
- Penalty in the form of low peer review points when anyone breaks the team rules.

Tools

Front-end:

- HTML
- CSS
- JS/JSX
- React

Back-end:

- Nodejs
- Mongoose
- Express

Database:

- MongoDB

Documentation:

- Notion
- Canvas
- Google Docs
- Git/GitHub

Communication:

- Microsoft Teams

IDE:

- Visual Studio Code

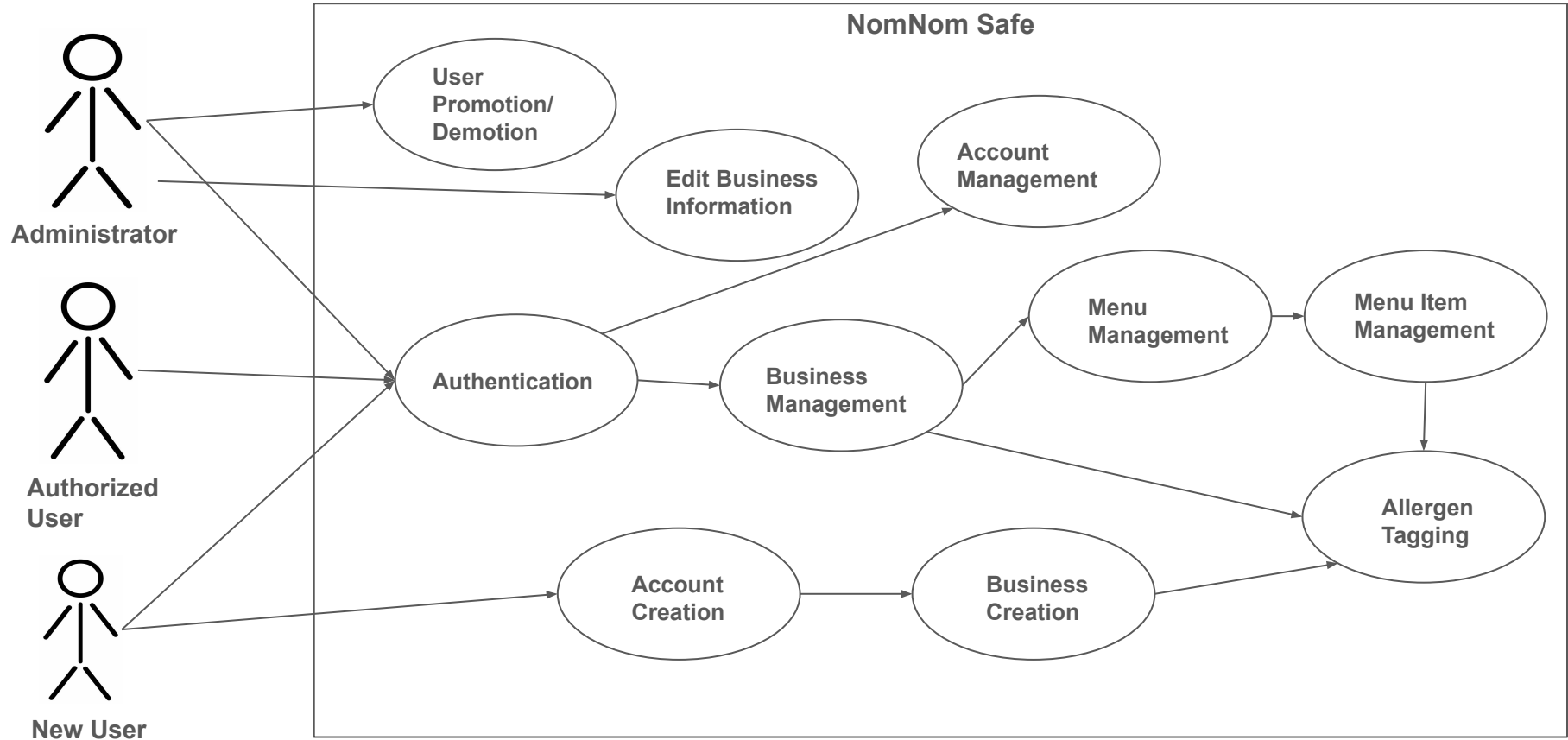
Modules

- Authentication
- Setup
- Business
- Menu
- Menu Items
- Admin
- Testing



MODULES

Use Case Diagram



Authentication Module

Purpose

- User login
- User sign up
- Credential management

NomNom Safe

[Back to Dashboard](#)

Edit Login Information

Which would you like to change?

☒ Email

☐ Password

Current Email *

Current Email

New Email *

New Email

Confirm New Email *

Confirm New Email

Save

NomNom Safe

NomNom Safe

First Name *

First Name

Last Name *

Last Name

Email *

johndoe@mail.com

Password *

Password

Confirm Password *

Confirm Password

Sign Up

Already have an account? [Log in](#)

Welcome to NomNom Safe!

NomNom Safe

Email *

johndoe@mail.com

Password *

Password

Log In

Don't have an account? [Sign Up](#)

Authentication Module - Error Handling with UI Feedback

- Custom error and confirmation messages

Emails do not match.

Ok

Passwords do not match.

Ok

Password must be at least 6 characters long.

Ok

New email must be different from current email.

Ok

New password must be different from current password.

Ok

Login email changed successfully.

Ok

Login password changed successfully.

Ok

You have been logged out successfully.

Ok

Current email is incorrect.

Ok

Current password is incorrect.

Ok

Setup Module

- **Purpose:** Guides users through business creation and initial configuration in a 3-step wizard (or alternatively being added to an existing business)
 - User chooses to create new business or be added to existing business
 - If new user, prompted for basic business information (Step 1)
 - Then asked for unavoidable allergens and special diet accommodations (Step 2)
 - Then asked preferred menu item layout (Step 3)
 - Then directed to Menu Dashboard

1.

NomNom Safe

NomNom Safe

First Name *
Scrooge

Last Name *
McDuck

Email *
mcduck@mail.com

Password *

Confirm Password *

Sign Up

Welcome to NomNom Safe!

2.

NomNom Safe

Choose Business


Do you want to create a new business or join an existing one?

☒ Create a new business

☐ Join an existing business

Next

3.

NomNom Safe 

Step 1/3

Basic Business Information

Please enter your business name and website URL (if applicable):

McDuck's

mcducks.com

Please enter your business's address:

1 McDuck Manor

Street Address 2


Duckberg KY 41042

Please Note:

Information given in this section will be shown publicly to the users (your customers). Please only give info you want them to see.

If you are a mobile food truck service, please put your most recent or upcoming location, or the location of an event, in the "Location Address" box. This location can be changed at anytime via the "business info" settings.

4.

NomNom Safe 

Step 2/3

Your Menu

Do your menu items always contain certain allergens?

☒ Lactose (milk) ☐ Gluten

☐ Meat ☐ Fish

☐ Animal Products ☐ Eggs

☐ Shellfish ☐ Tree Nuts

☐ Peanuts

Do you use any special preparation techniques or provide menu items for any diets?

☐ Keto ☐ Vegan ☒ Vegetarian

☐ Halal ☐ Kosher ☒ Pescatarian

The image shows two versions of the 'Add Menu Item' form side-by-side. The left version has the 'Ingredients' and 'Description' sections hidden by default, with only the 'Name' field visible. The right version has both the 'Ingredients' and 'Description' sections expanded by default, showing input fields and dropdown menus for each.

Business Module

Purpose: Manages business profile information and settings

NomNom Safe



+ Add a Menu


Your Menu Dashboard

Master Menu

This menu will be
shown to customers

View Menu

Scrooge McDuck
mcduck@mail.com

 Edit Login Info

 Edit Business Info

 Log Out



Edit Business Information



Business Name

McDuck's

Business Disclaimer

(Ignored for now)

Website URL

mcducks.com

Unavoidable Allergies

lactose

Address

1 McDuck Manor , Duckberg, KY 41042

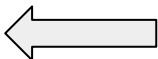
Special Preparations

vegetarian, pescatarian

* This information will be displayed to users of the app

Cancel

Save

[+ Add a Menu](#)

Your Menu Dashboard

Master Menu

This menu will be shown to customers

[View Menu](#)

IMF Specials

Limited time offerings

[View Menu](#)[+ Add a Menu](#)

Your Menu Dashboard

Master Menu

This menu will be shown to customers

[View Menu](#)

IMF Specials

Limited time offerings

[View Menu](#)

Untitled Menu

New menu created

[View Menu](#)[+ Add Item](#)

Master Menu

[Integrate Menu](#)

Menu Items

Prague Special



London Special



Menu Module

- Purpose: Handles menu management, including:
 - Creating Menus
 - Editing Menus
 - Deleting Menus
 - Viewing Menus & navigating to Menu Items

Menu Items Module

Purpose: Handles adding menu items, editing, and adding them to different menus

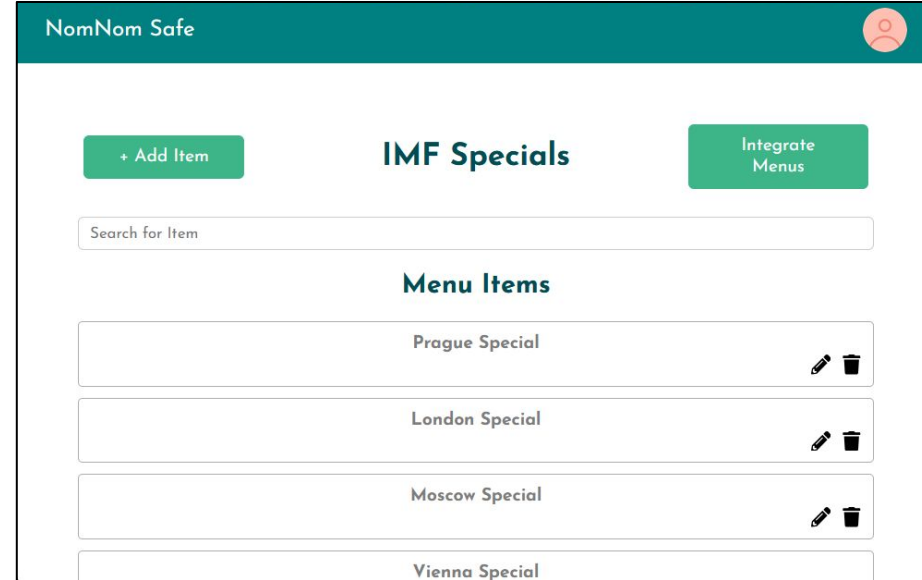
- Add Menu Item
- Menu Items Page
- Menu Item Swap

Implementation:

- Custom Assets: Checkbox, Menu Item Pages
- Schema
- Routes

Menu Items Page

- Allows user to view the items on particular menu
- Allows editing of the items
- Allows removing item from the menu



Menu Items Page

Menu Items

Prague Special



London Special



Name:

London Special

Description:

Sunday roast

Ingredients:

Ingredients

Allergens:

gluten, meat

 Save

IMF Specials

Integrate
Menus

+ Add Item

Search for Item

Menu Items

Prague Special



Prague Special

Description:

Fruit dumplings

Ingredients:

Allergens:

gluten

London Special



Moscow Special



Vienna Special



Vatican Special



Shanghai Special



Menu Items Page

+ Add Item



IMF Specials

Integrate Menus



Search for Item


Menu Items

London Special



London Special



 localhost:3000

Remove menu item from non Master Menu by moving it in in Integrate Menu.

OK

Allergens:

gluten

meat

Are you sure you want to delete this item?

Yes, Delete

Cancel

+ Add Item



Master Menu

Integrate Menus

Search for Item

Menu Items

Prague Special





Are you sure you want to delete this item?



Yes, Delete

Cancel



London Special



Moscow Special



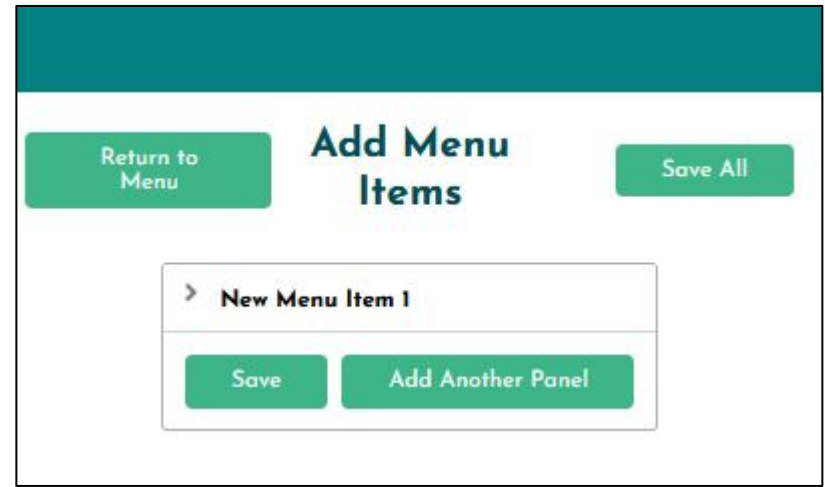
Vienna Special



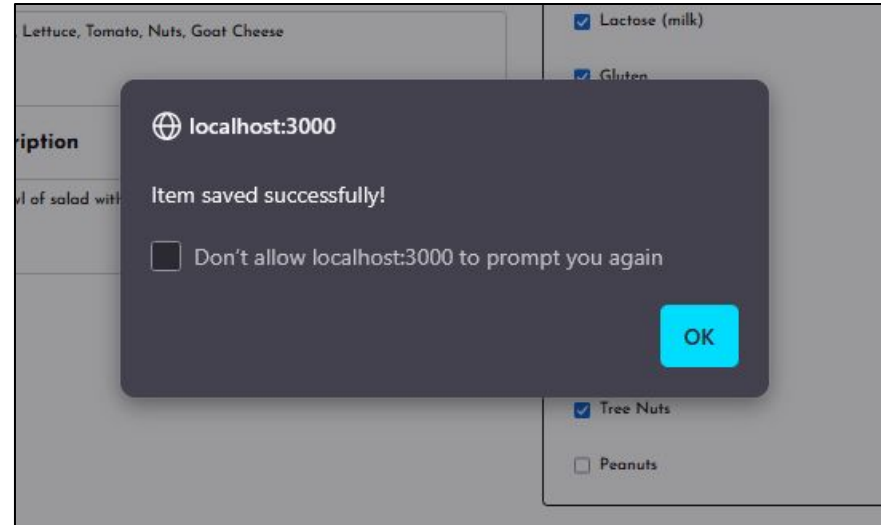
Add Menu Items

- Allows the user to add menu items
 - All menu items automatically added to Master Menu in addition to specific parent menu
- Allows user to safely add multiple menu items at once

+ Add Item



The screenshot shows a web interface for adding menu items. At the top, there's a teal header. Below it, a white container has a teal 'Return to Menu' button on the left, the title 'Add Menu Items' in the center, and a teal 'Save All' button on the right. Below the title is a form for 'New Menu Item 1'. This form has a teal 'Save' button and a teal 'Add Another Panel' button.



Add Menu Items

Return to
Menu

Add Menu Items

Save All

Shaken not Stirred

Name:

Shaken not Stirred

Ingredients

Olive, Lettuce, Tomato, Nuts, Goat Cheese

Description

A bowl of salad with a Mediterranean flavor

This Item Contains the Following Allergens:

Tree Nuts, Gluten, Lactose (milk)

Most Common Allergens

☒ Lactose (milk)

☒ Gluten

☐ Meat

☐ Fish

☐ Animal Products

☐ Eggs

☐ Shellfish

☒ Tree Nuts

☐ Peanuts

Save

Add Another Panel

> Glitter Hotdog

Save

Add Another Panel

> New Menu Item 3

Save

Add Another Panel

New Menu Item 3

Name:

Ingredients

Description

This Item Contains the Following Allergens:

No allergens selected

Most Common Allergens

☐ Lactose (milk)

☐ Gluten

☐ Meat

☐ Fish

☐ Animal Products

☐ Eggs

☐ Shellfish

☐ Tree Nuts

☐ Peanuts

Save

Add Another Panel

Add Menu Items

[Return to Menu](#)

Add Menu Items

[Save All](#)

> Ticking Tacos

[Save](#)[Add Another Panel](#)

> New Menu Item 2

[Save](#)[Add Another Panel](#)

> ...

[Save](#)[Add Another Panel](#)

localhost:3000

One or more items are missing names. Please enter a name for each item before saving.

☐ Don't allow localhost:3000 to prompt you again

OK

[Return to Menu](#)

Add Menu Items

[Save All](#)

> Shaken not Stirred

[Save](#)[Add Another Panel](#)

> Glitter Hotdog

[Save](#)[Add Another Panel](#)

> New Menu Item 3

[Save](#)[Add Another Panel](#)

localhost:3000

Please enter a name for the menu item.

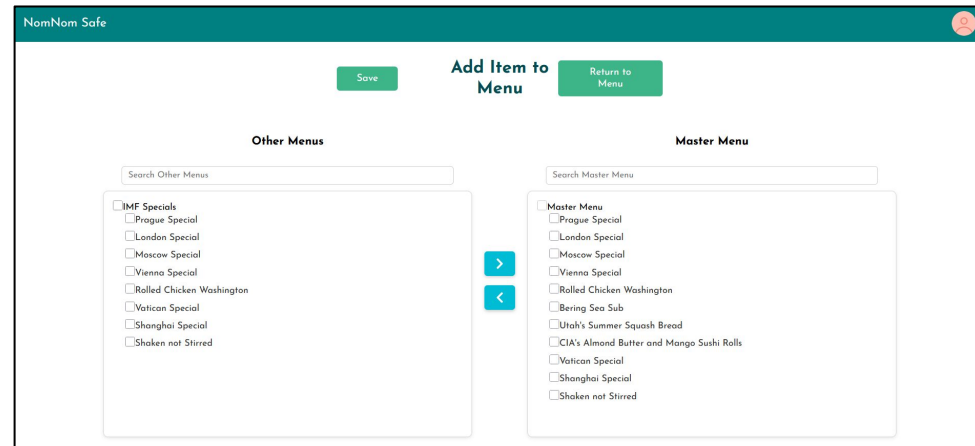
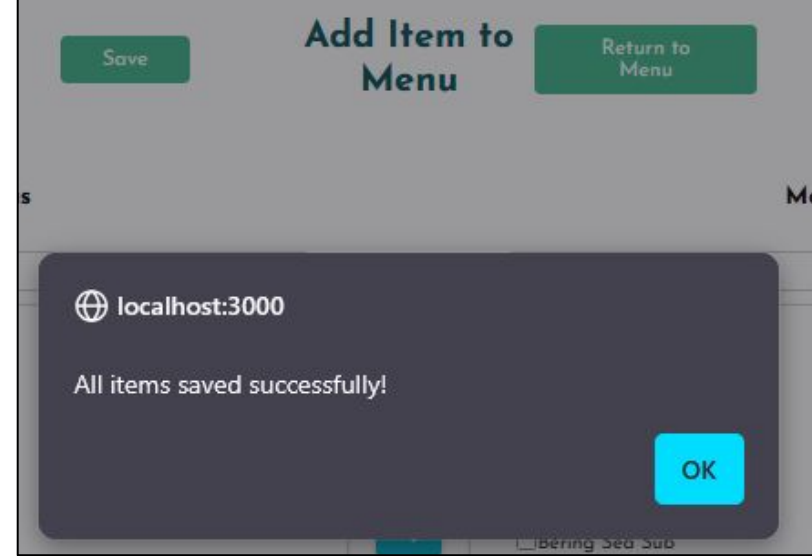
☐ Don't allow localhost:3000 to prompt you again

OK

Menu Item Swap

- Allows the user to smoothly add or remove menu items from menus
- Can handle updating lots of menus at once
- User forgiveness with moving items

Integrate
Menus



Menu Item Swap

Save

Add Item to Menu

Return to Menu

Other Menus

Search Other Menus

☒ IMF Specials

☐ Prague Special

☐ London Special

☐ Moscow Special

☐ Vienna Special

☐ Vatican Special

☐ Shanghai Special

☐ Shaken not Stirred

>

<

Master Menu

Search Master Menu

☐ Master Menu

☐ Prague Special

☐ London Special

☐ Moscow Special

☐ Vienna Special

☒ Rolled Chicken Washington

☐ Bering Sea Sub

☐ Utah's Summer Squash Bread

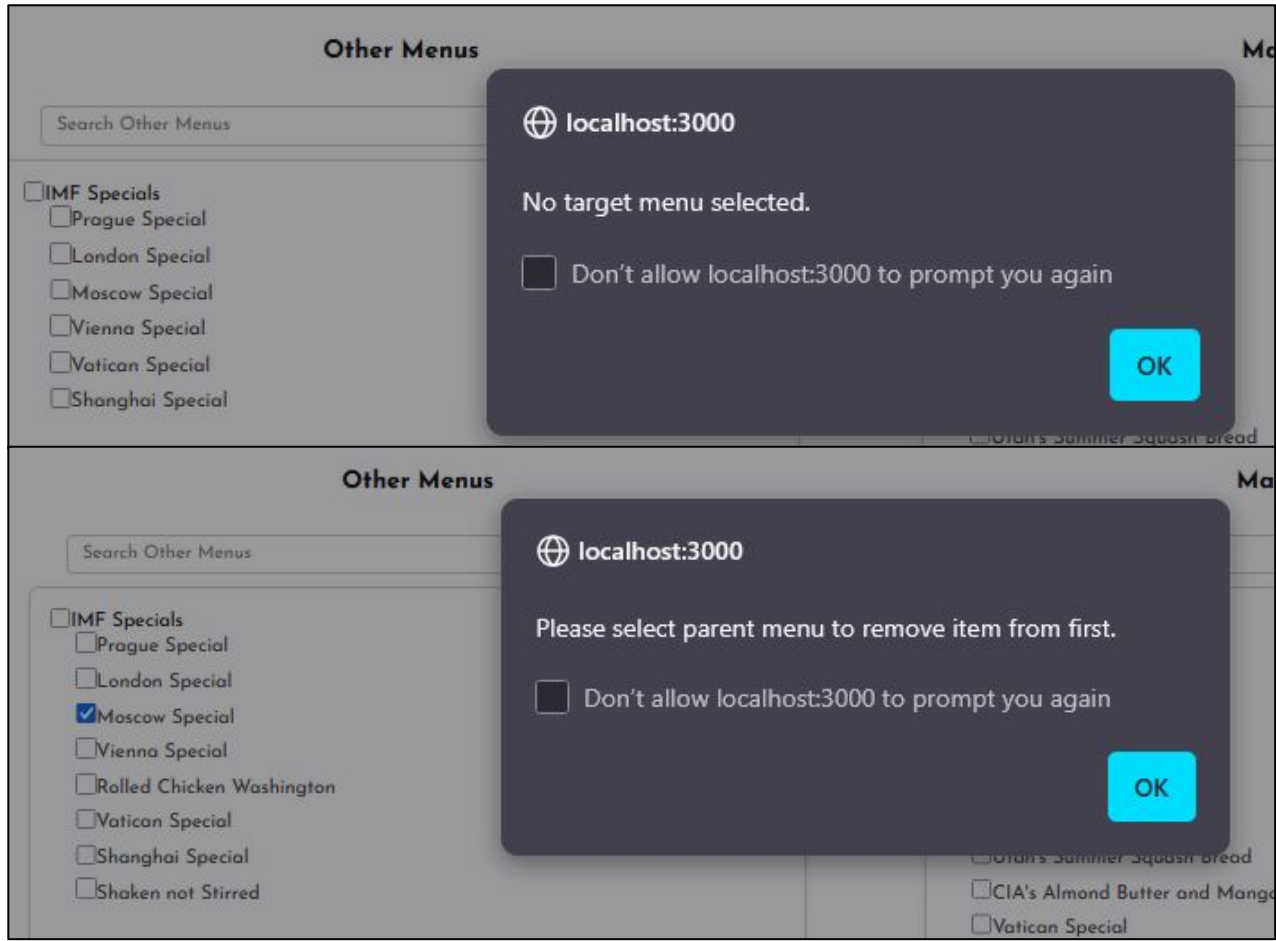
☐ CIA's Almond Butter and Mango Sushi Rolls

☐ Vatican Special

☐ Shanghai Special

☐ Shaken not Stirred

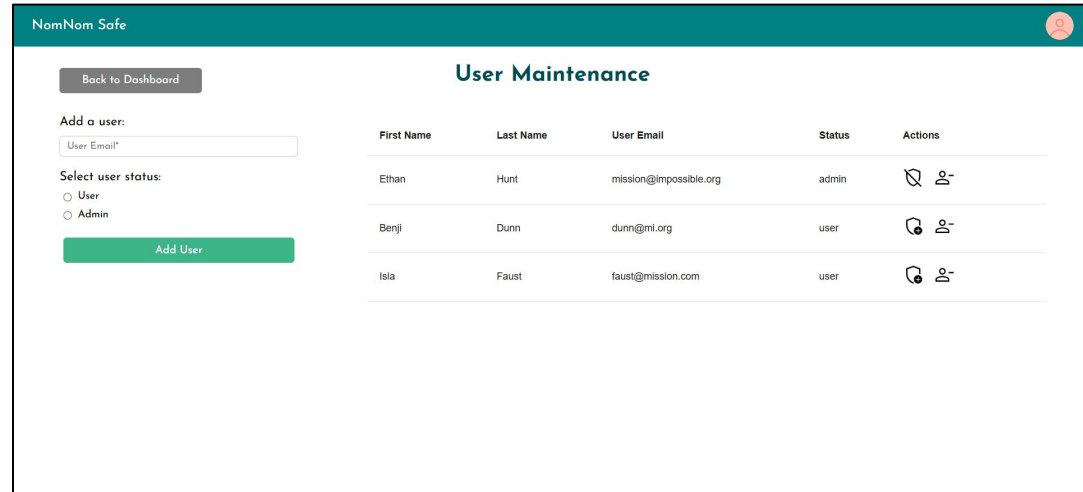
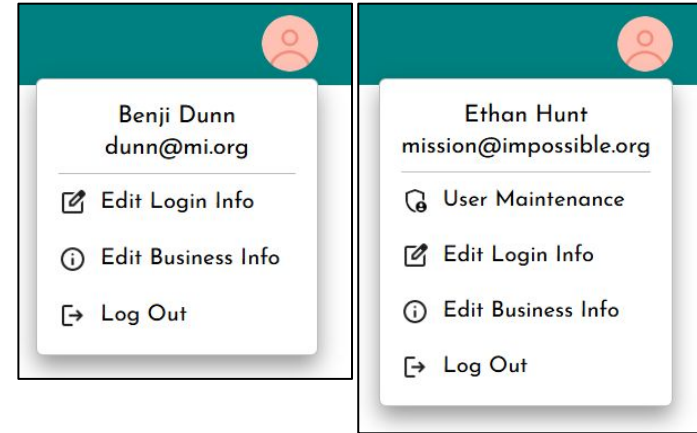
Menu Item Swap



Admin Module

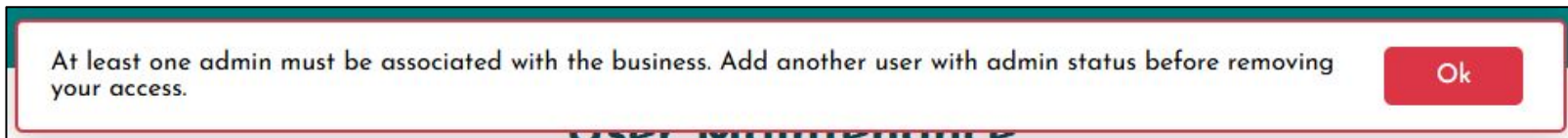
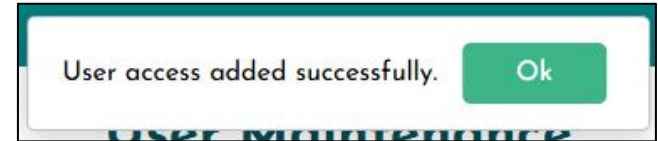
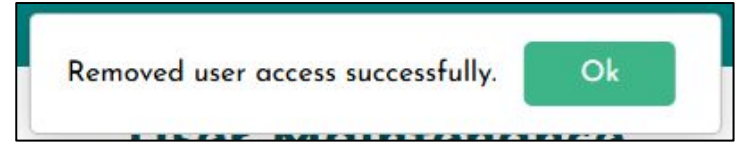
Purpose

- Allows an admin to manage which users have access to the business
- Actions:
 - Promote users to admins
 - Demote admins to users
 - Revoke user/admin access
 - Give access to an existing user



Admin Module - Error Handling with UI Feedback

- Custom error and confirmation messages



Demonstration

