

Alpha Presentation Enhanced Shopping Experience Using Al

The Capstone Experience

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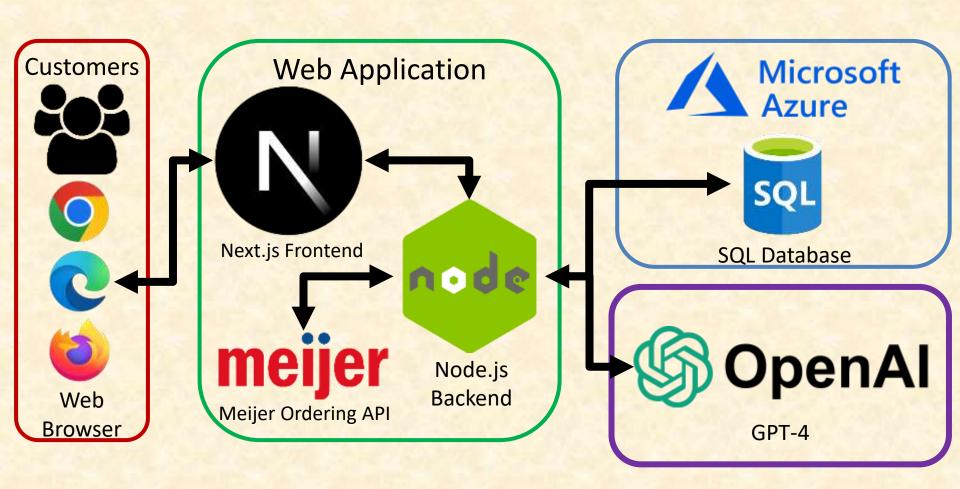


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Project Overview

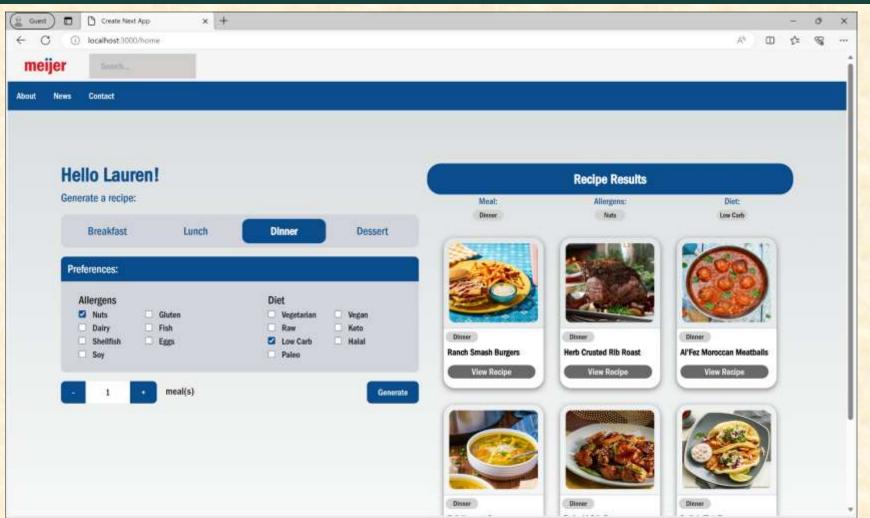
- Make it easier for customers to find recipes that they will like
- Create custom recipes based on dietary preferences and purchase history
- Contained in web application

System Architecture



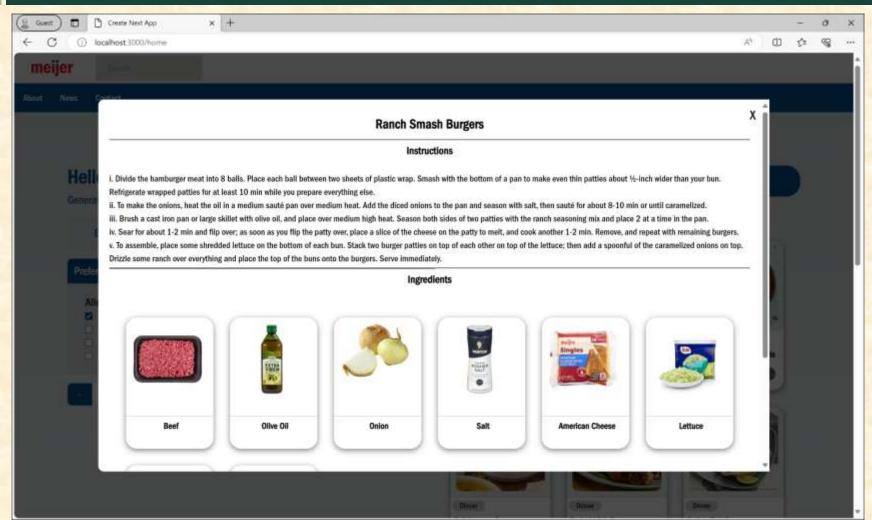


Home Screen after Recipe Generation



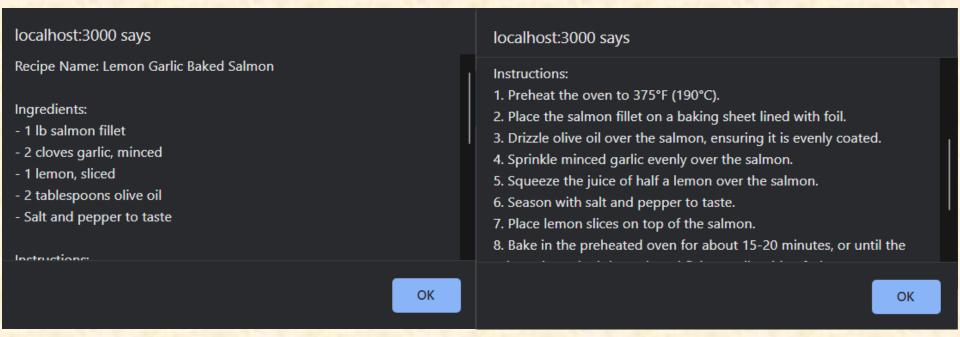
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Recipe Modal





Recipe from GPT Output



Frequently Purchased Products and Image

```
PS C:\Users\zachg\Desktop\CSE 498\capstone meijer> npm run sqlalpha
 > meijer-next@0.1.0 sqlalpha
 > node ./sql/sqlalpha.js
 Get the top 8 most frequent pruchases from userID 2
 429, 555, 1543, 1866, 2066, 496, 1018, 1725
 Get me the names of the product related to the upid so I can tell GPT the product name
 upid - product name
 429 - Meijer 100% All Natural Boneless Skinless Chicken Breasts, Family Pack
 555 - Fresh from Meijer Mild Italian Sausage Links, 19 oz
 1543 - Meijer Shredded Mozzarella Cheese, 16 oz
 1866 - Meijer Extra Virgin Olive Oil, 17 oz
 2066 - Meijer Lasagna Pasta, 16 oz
 496 - Meijer Restaurant Style Meatballs, 20 oz
 1018 - Garlic, 1 lb
 1725 - Meijer Spaghetti Pasta, 16 oz
 Get the image (in base64 string) of the most frequently purchased product
 iVBORwOKGgoAAAANSUhEUgAAAlgAAAJYCAYAAAC+ZpjcAAAAAXNSROIArs4c6QAAIABJREFUeJzsvemWJLeRJXwNcI+IXGthVbFY...
 Acutal length of image base64 string is 308740 characters long
```

○ PS C:\Users\zachg\Desktop\CSE 498\capstone meijer>

What's left to do?

- Ordering API
- Saving recipes
- Increase efficiency
- User dashboard
- Update UI to match new prototype

Questions?

