

MICHIGAN STATE

UNIVERSITY

Alpha Presentation

mHealthy: Healthy Eating Application

The Capstone Experience

Team Meijer

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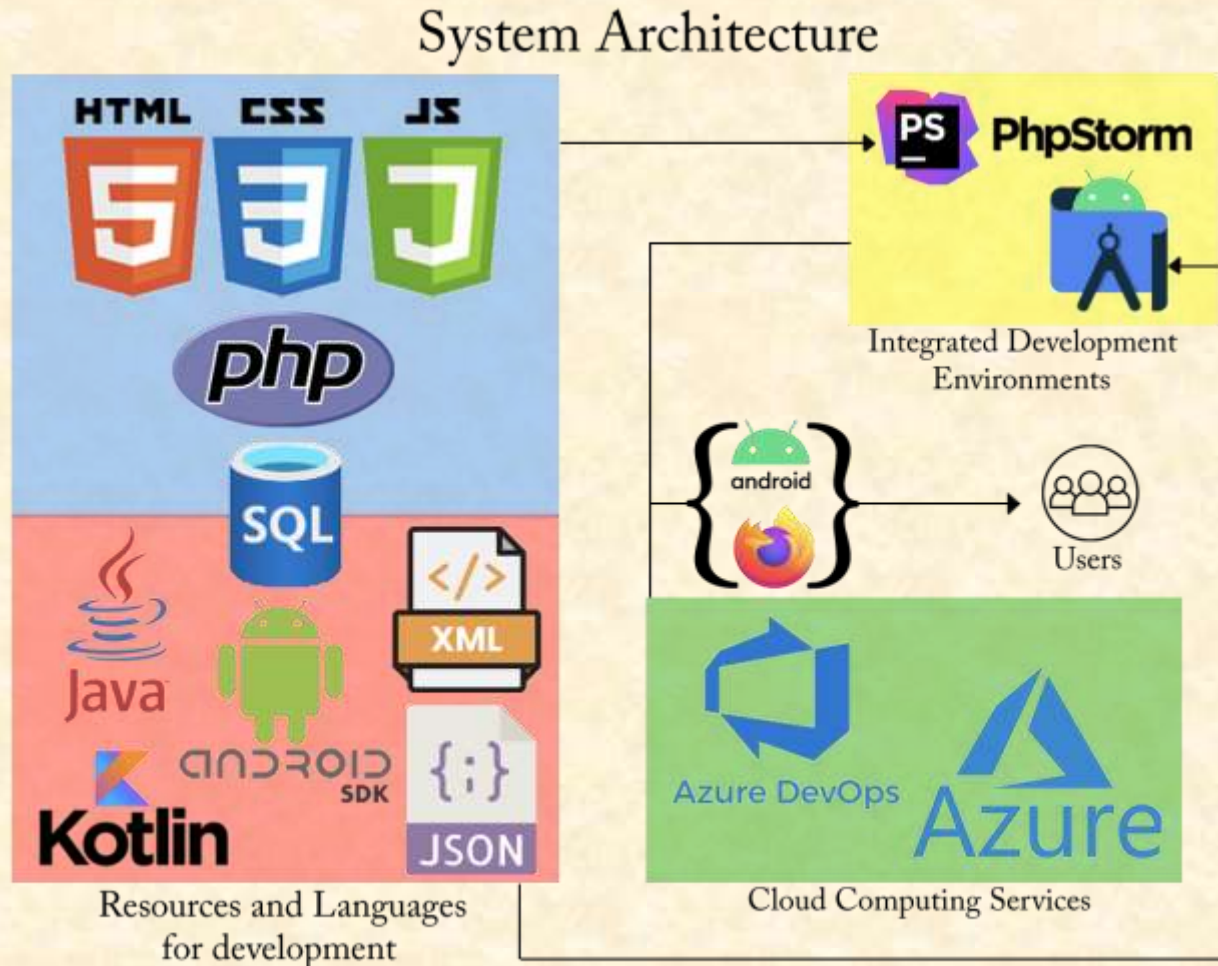
*From Students...
...to Professionals*

Project Overview

- Help customers make healthy choices by providing easy-to-understand information with a mobile application
- Create categories such as Gluten-Free, Keto, etc.
- Provide suggestions for healthy eating
- Design to be integrated into the current Meijer website and app



System Architecture



Profile Page - Web

Meijer | Profiles | mHealthy | Nutrition Profiles

mHealthy: Nutrition Profiles

Sort by:

Profiles

- J
- Y
- A
- F
- +

Please select all of the nutrition data you would like to include in your profile.
Values are per serving.

Calories

0-499 500-700 701+

On average, people should consume between 500-700 calories per meal, based on a 2000 calories per day diet.

Total Fat (g)

0-14 15-22 23+

Saturated Fat (g)

0-5 6-9 10+

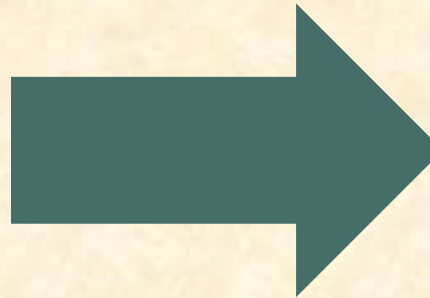
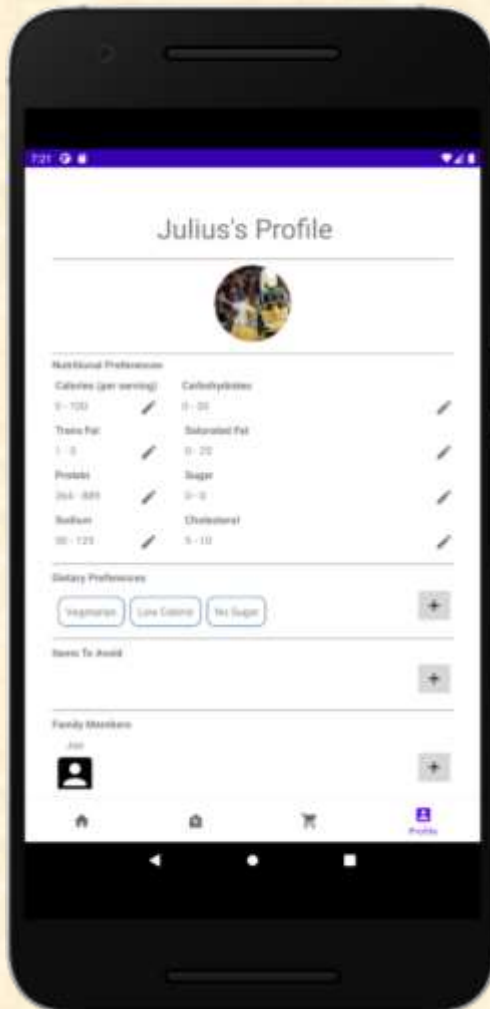
Trans Fat (g)

None 0-2 3+

Cholesterol (mg)



Profile Page - Mobile



Shopping Page - Web

Shopping Results for Julie

Profiles: J, Y, +

Sort by:

Filters

Shop by Category

- Chips
- Donuts and Snack Cakes
- Party Snacks
- Meat and Cheese Snacks
- Salsas, Dips & Spreads

Brand

- Meijer
- Name Brand
- Party Snacks
- Meat and Cheese Snacks
- Salsas, Dips & Spreads

Nutrition(per serving)

Calories: 0 - 499 500 - 700 701+

Fat (g): 0 - 14 15 - 22 23+

Protein (g): 0 - 5 6 - 9 10+

Carbohydrates (grams per serving): 0 - 50 51 - 150 150+

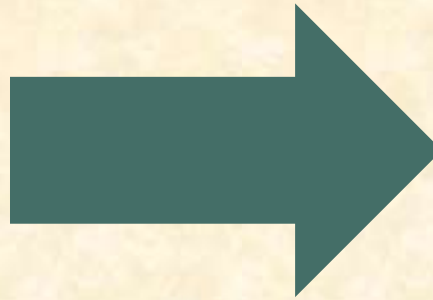
Allergy Restrictions

- Shellfish Gluten Tree Nuts Peanuts Eggs Dairy Fish Red Meat Meat Soy

\$1.99	\$18.99	\$15.49	\$4.99	\$4.36
\$1.69	\$2.75	\$11.99		



Shopping Page + Cart - Mobile



Suggestions Page - Web

mHealthy: Dietary Suggestion

We noticed that your items do not match your nutrition preferences. We have found that this item will get you closer to achieving your health goals!

StarKist Chunk Light Tuna in Water
2.6 oz pouch
\$1.29
[add to my cart](#)

J Y A F +

Shopping Cart (3 Items)

Item	Quantity	Price
BOOMCHICKAPOP Sweet And Salty Kettle Corn, 7 OZ Remove Add Note	1	\$2.99
Harvest Snaps Green Pea Snack Crisps Lightly Salted, 3.3 oz Remove Add Note	1	\$1.89
GoGo squeeZ Applesauce, Apple Apple, 3.2oz 4 Pack Remove Add Note	1	\$2.29

Order Summary

Subtotal
Pickup Fee
Deposit
Taxes
Savings (Sale & mPerks)

Estimated Total



What's left to do?

- Formulate suggestion algorithm
- Administer profile management
- Implement session-based filters
- Finalize web/mobile UI
- Further populate database for testing



Questions?

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