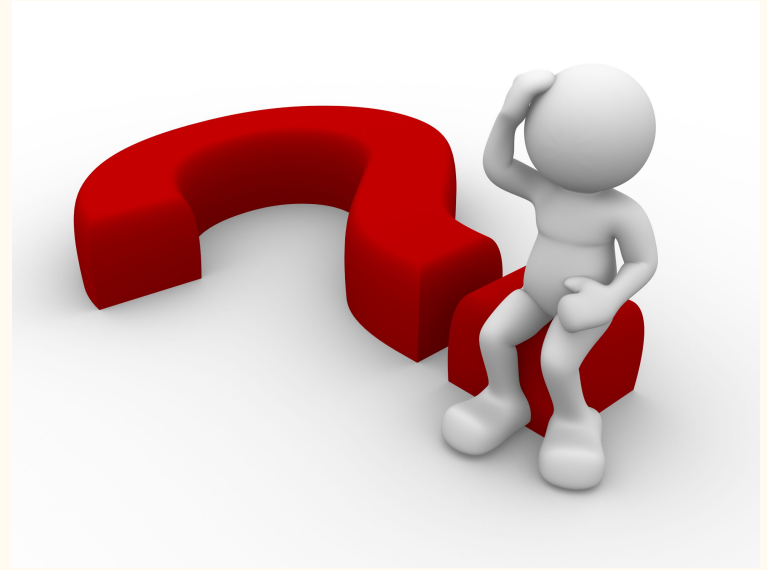# ScanAvert

—

Project Manager: Vince Calupad
Members: Edgar Chipeta, Thomas Grzywacz, Russel Tagaca

Problem

- Over 40 million Americans have dietary needs that require label study and interpretation to avoid harmful ingredients
- There is not a single solution to assist people in avoiding harmful substances based on personal criteria

Data

- More than 170 foods that can cause allergies
- Roughly 32 million Americans have food Allergies
- 7.3 Million Americans are listed as vegetarians
- Roughly 45 Million Americans are on a diet

Solution

- ScanAvert simplifies the process of making safer, compatible food choices
- Delivers immediate compatibility information and suggests substitutes
- Automatically alerts you to recalls of any product in your scanning history
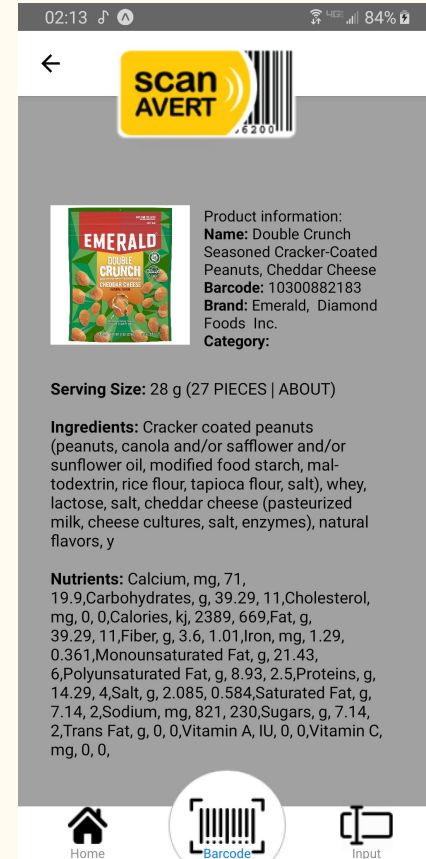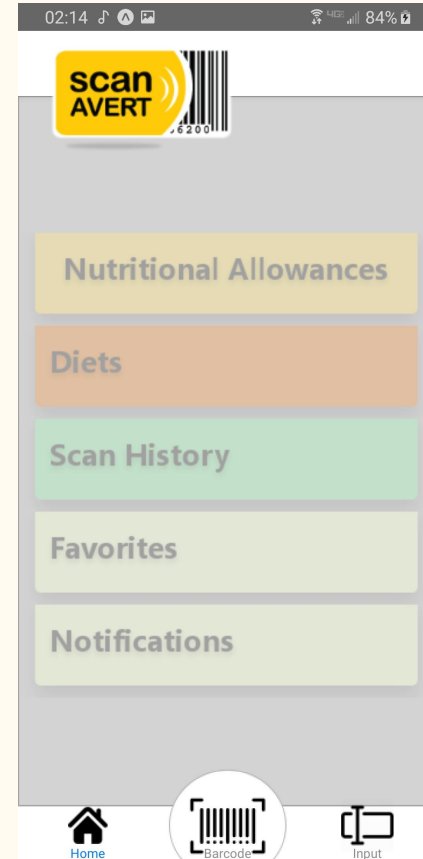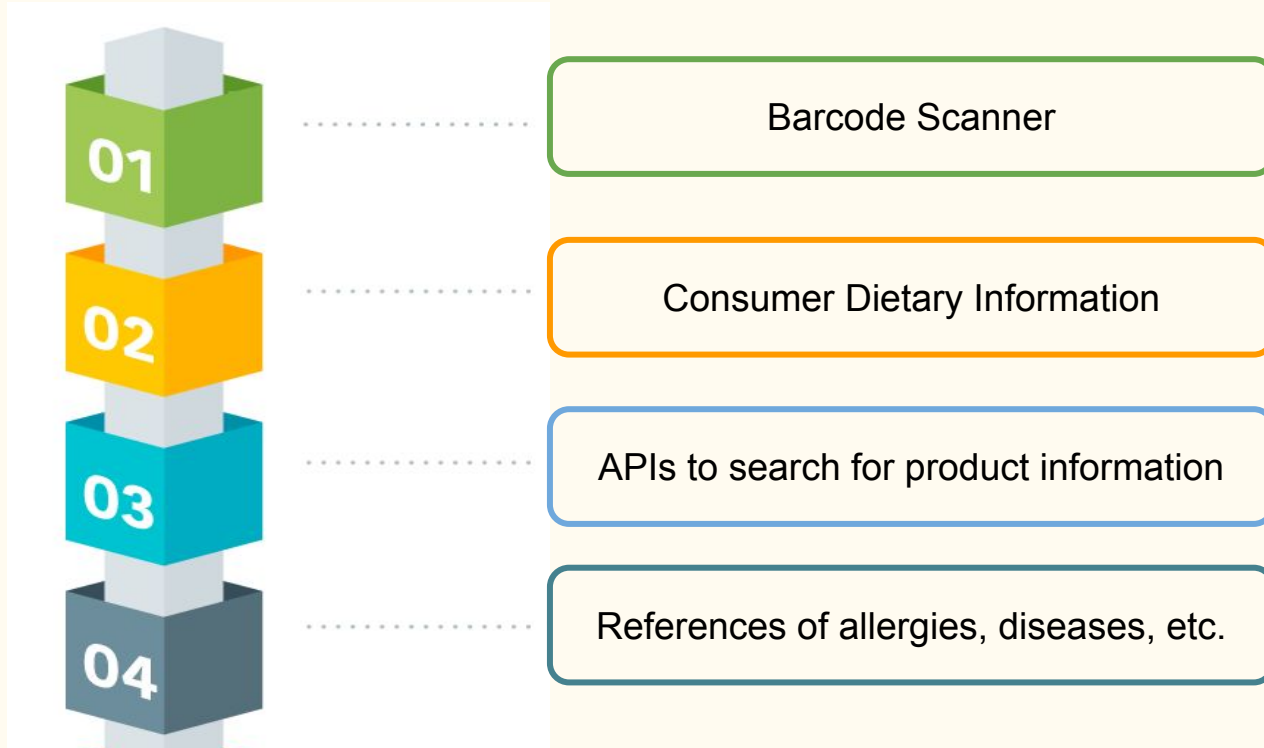
Scope
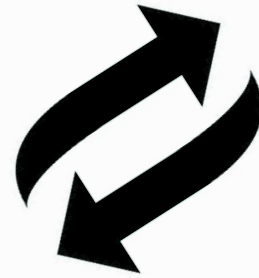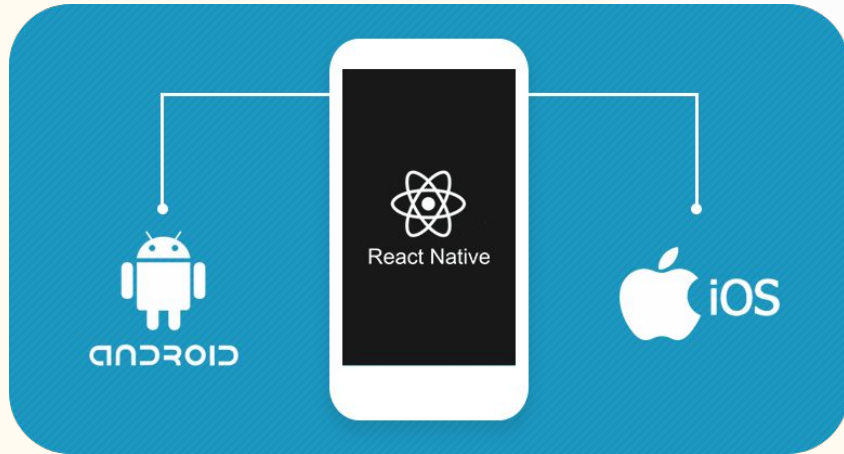
Stakeholders

- People with food allergies or intolerance to ingredients
- People taking prescriptions responsibly
- People with ethical, ideological observances
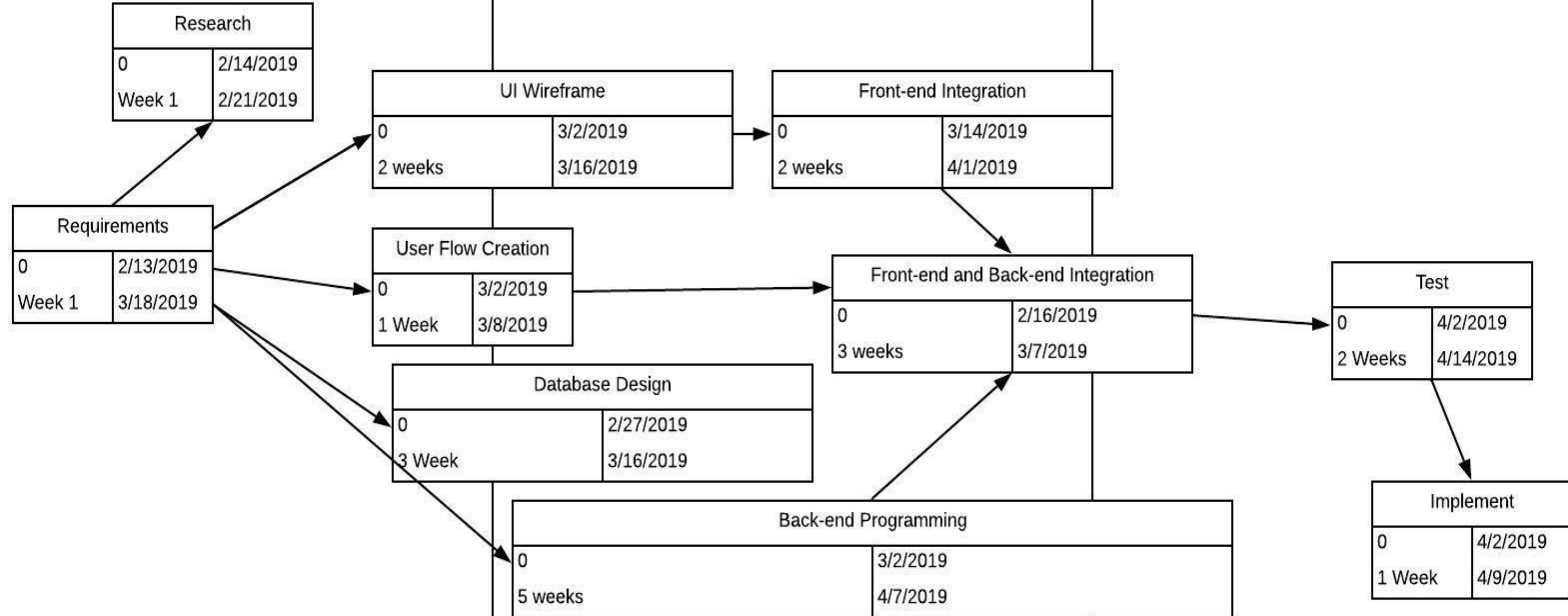- People adhering to a dietary regimen

Requirements

01 ········· Barcode Scanner

02 ········· Consumer Dietary Information

03 ········· APIs to search for product information

04 ········· References of allergies, diseases, etc.

Work Breakdown Structure
—

February | March | April

Research
| 0 | 2/14/2019 |
| Week 1 | 2/21/2019 |

Requirements
| 0 | 2/13/2019 |
| Week 1 | 3/18/2019 |

UI Wireframe
| 0 | 3/2/2019 |
| 2 weeks | 3/16/2019 |

User Flow Creation
| 0 | 3/2/2019 |
| 1 Week | 3/8/2019 |

Database Design
| 0 | 2/27/2019 |
| 3 Week | 3/16/2019 |

Back-end Programming
| 0 | 3/2/2019 |
| 5 weeks | 4/7/2019 |

Front-end Integration
| 0 | 3/14/2019 |
| 2 weeks | 4/1/2019 |

Front-end and Back-end Integration
| 0 | 2/16/2019 |
| 3 weeks | 3/7/2019 |

Test
| 0 | 4/2/2019 |
| 2 Weeks | 4/14/2019 |

Implement
| 0 | 4/2/2019 |
| 1 Week | 4/9/2019 |

February	March	April
Vince Calupad	Vince Calupad	Vince Calupad
Edgar Chipeta	Edgar Chipeta	Edgar Chipeta
Russel Tagaca	Russel Tagaca	Russel Tagaca
Thomas Grzywacz	Thomas Grzywacz	Thomas Grzywacz

Gantt Chart

	Feb '19	Mar '19	Apr '19	May '19

ScanAvert Project Timeline — 0h — 0%

Task	Hours	%
Sprint 1	**0h**	**0%**
Assign Roles	0	0%
Research	0	0%
Sprint 2	**0h**	**0%**
User Flows	0	0%
Draft Design	0	0%
Wireframe	0	0%
Mockup	0	0%
Design Refinement	0	0%
Prototype 1	0	0%
Sprint 3	**0h**	**0%**
Product Development	0	0%
Alpha	0	0%
Testing	0	0%
Beta	0	0%
Performance Assesment	0	0%
Prototype 2	0	0%
Sprint 4	**0h**	**0%**
Improvements	0	0%
Project Specifications	0	0%
Final Draft	0	0%
Final Product	0	0%
Final Report	**0h**	**0%**
Draft Final Report	0	0%
Revise Final Report	0	0%
Finalize	0	0%
Submit	0	0%

Project Risks

Risk	Probability (0.0 - 1)	Consequence (1 - 10)	Product	Cause	Symptom
Requirements not met	0.5	7	Project gets made on time	Difficulties with code base	Lack of consistencies of product deadlines
App dependencies no longer available	0.2	10	The app continues to function as is	React native is a new and growing language	Current feature gets deprecated
Scanned product not in database	0.7	8	The app works as needed	Product no longer produced	Item not in chomp database

ER Diagram
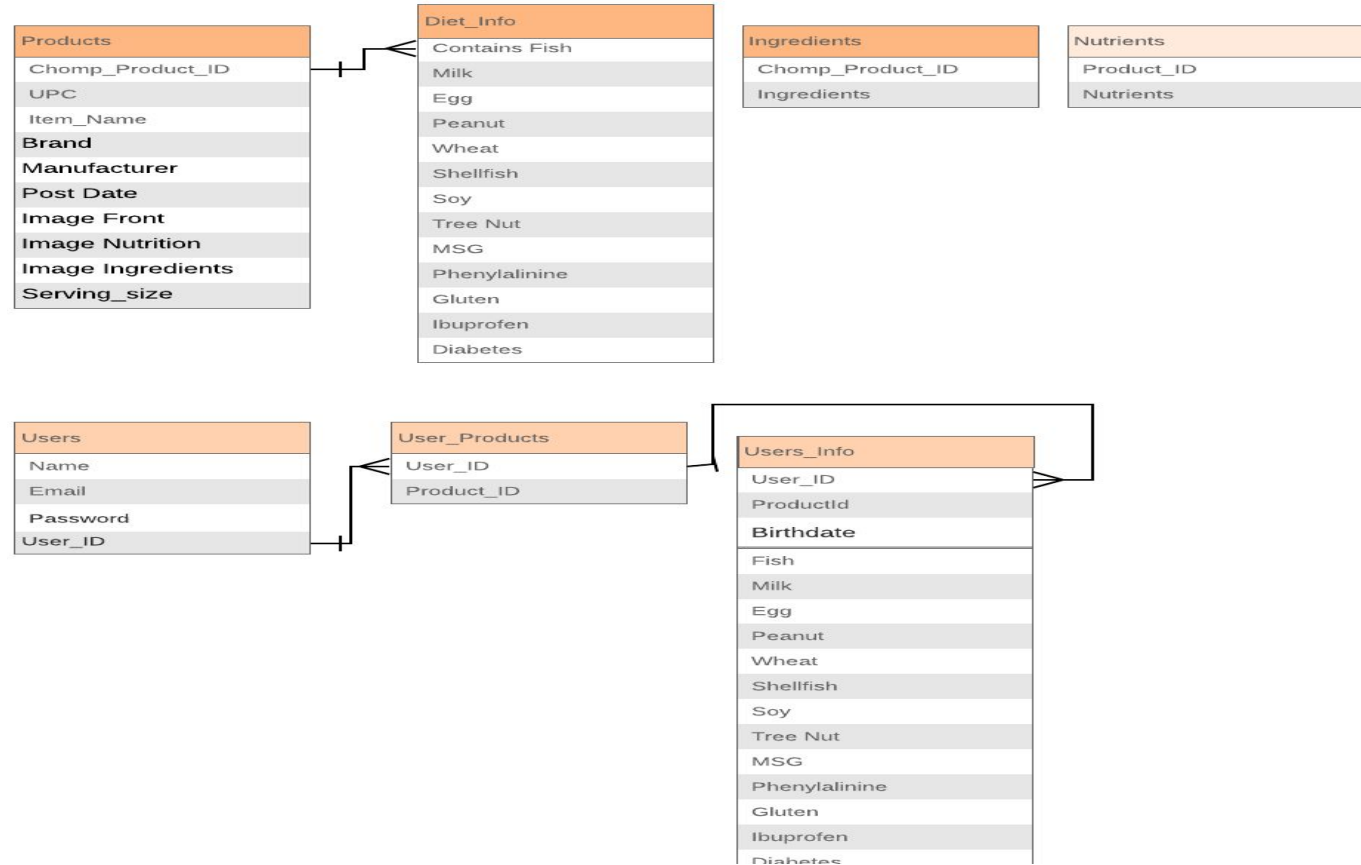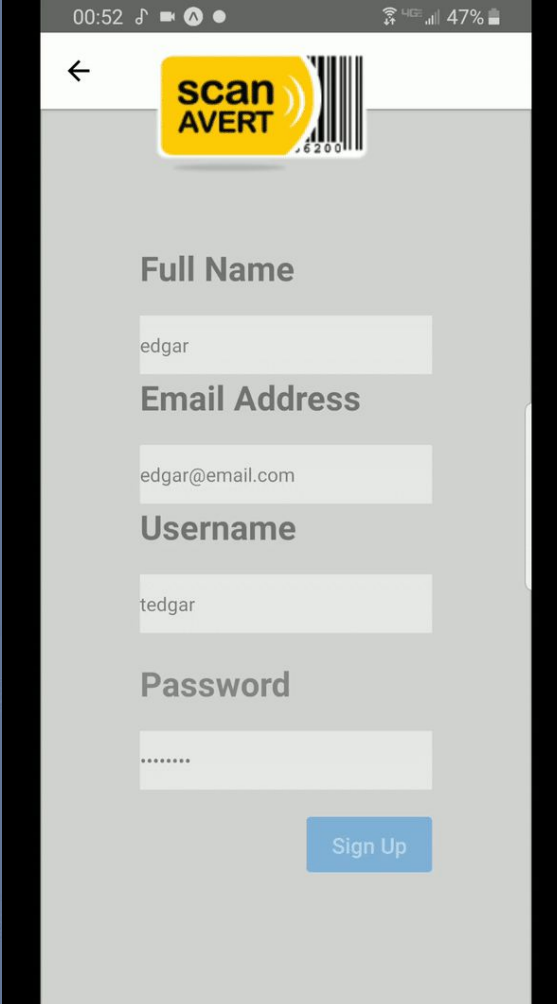
FDD
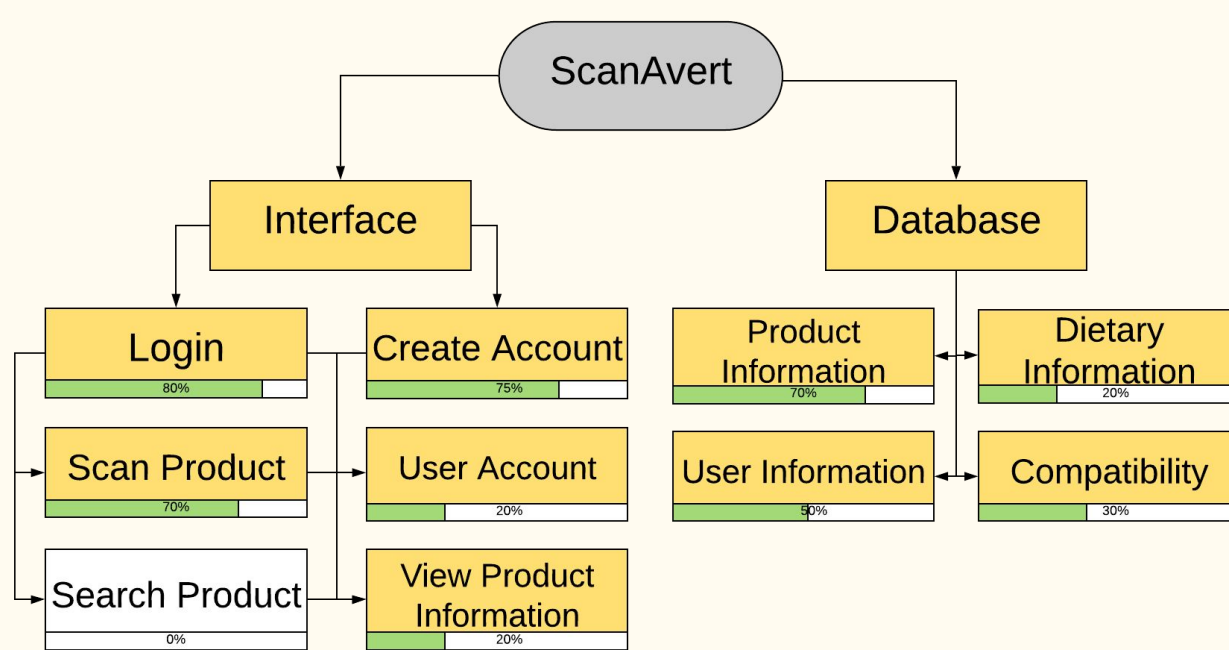
Prototype
—

Sign up &
Dietary
Needs
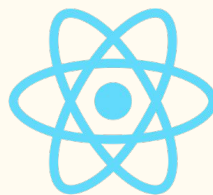
Login and Barcode

Search History

Tools

Affinity Designer

Adobe XD

React Native

Prototype implementation

Closing

—

Show of hands, Who would find this app helpful?