



UrRecalls

Recalls tailored for you.

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Members:

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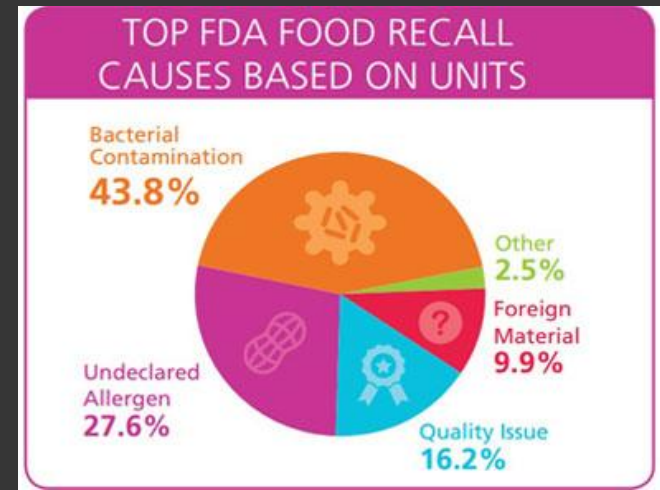


Problem

Not all products
are safe.



Data

- 48 million people are affected each year by food borne contaminants
- Roughly 32 million Americans have food allergies
- In the past week alone, over a dozen recalls were announced by the FDA




Solution

- UrRecalls delivers recall information to user.
- Report products based on safety suspicions.



This product has been recalled






Name: Frosted Flakes
USPC: 0 5844987024 1
Brand: Kellogs
Item: Cereal
Date: 3/21/2019


Reason: This product has undeclared Eggs

INGREDIENTS:
MALT O'MEAL FROSTED FLAKES
(Milled corn, sugar, salt, malt extract, corn syrup, vitamin C (ascorbic acid), niacin (niacinamide), reduced iron, vitamin A palmitate, vitamin B12, vitamin B6 (pyridoxine hydrochloride), folate (folic acid), vitamin B2 (riboflavin), vitamin B1 (thiamin hydrochloride), vitamin D, wheat starch.)

Allergens:
Wheat, Soy Beans


Scan Recall





Name: Frosted Flakes
USPC: 0 5844987024 1
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Item: Cereal
Date: 3/21/2019

No Recalls found

Suspect a harmful reaction?

Submit Report



Scope,
Stakeholders,
Requirements |



Scope

- UI to showcase a standardized database of recalls
- Community based sharing of product issues
- Standardizing FDA, CPSC, NHTSA datasets



Stakeholders

- This is a priority for health of our nation's population.



Requirements

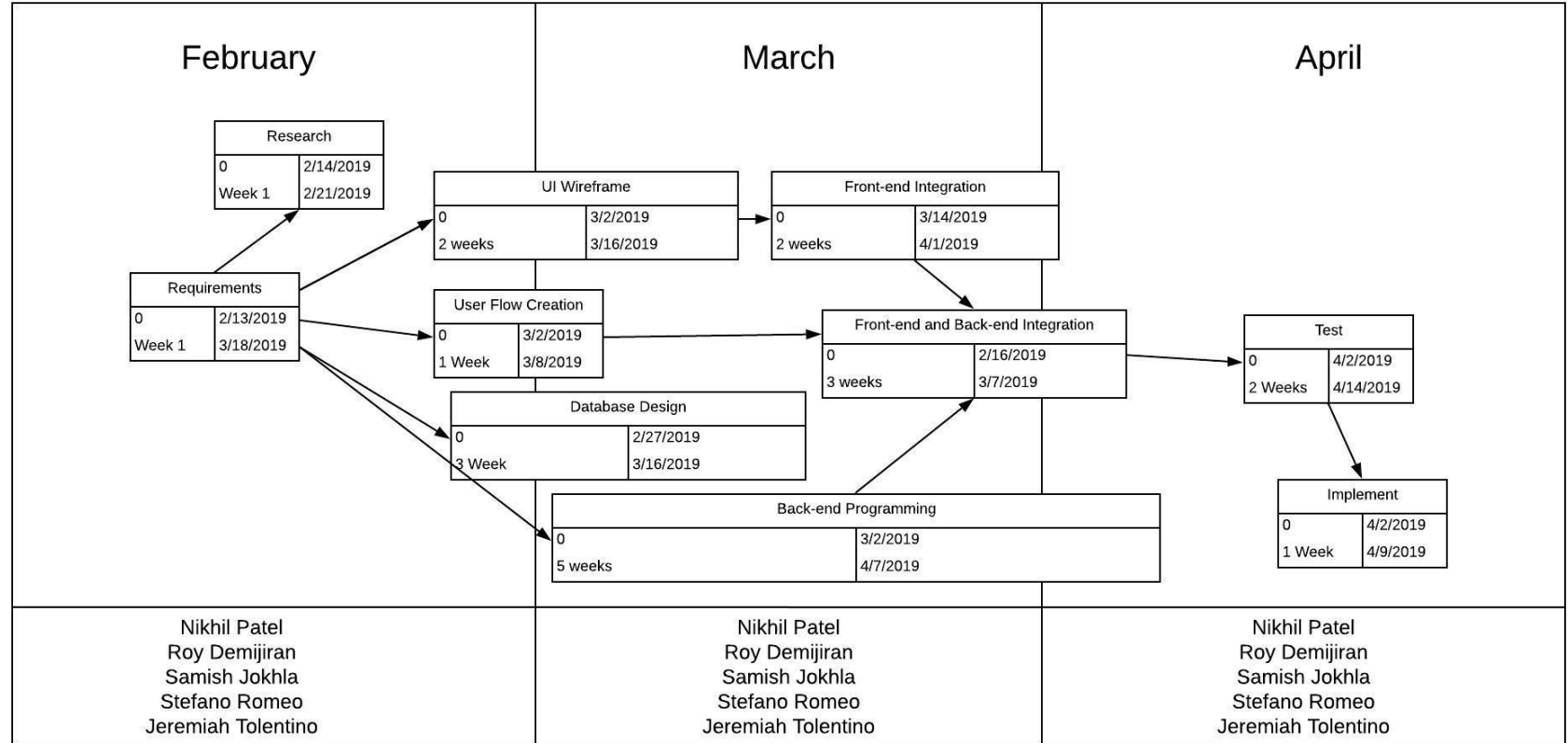
- Barcode scanner for ease of use
- Auto update recalls in database
- Ability to store user products scanned
- Push notifications for recent recalls





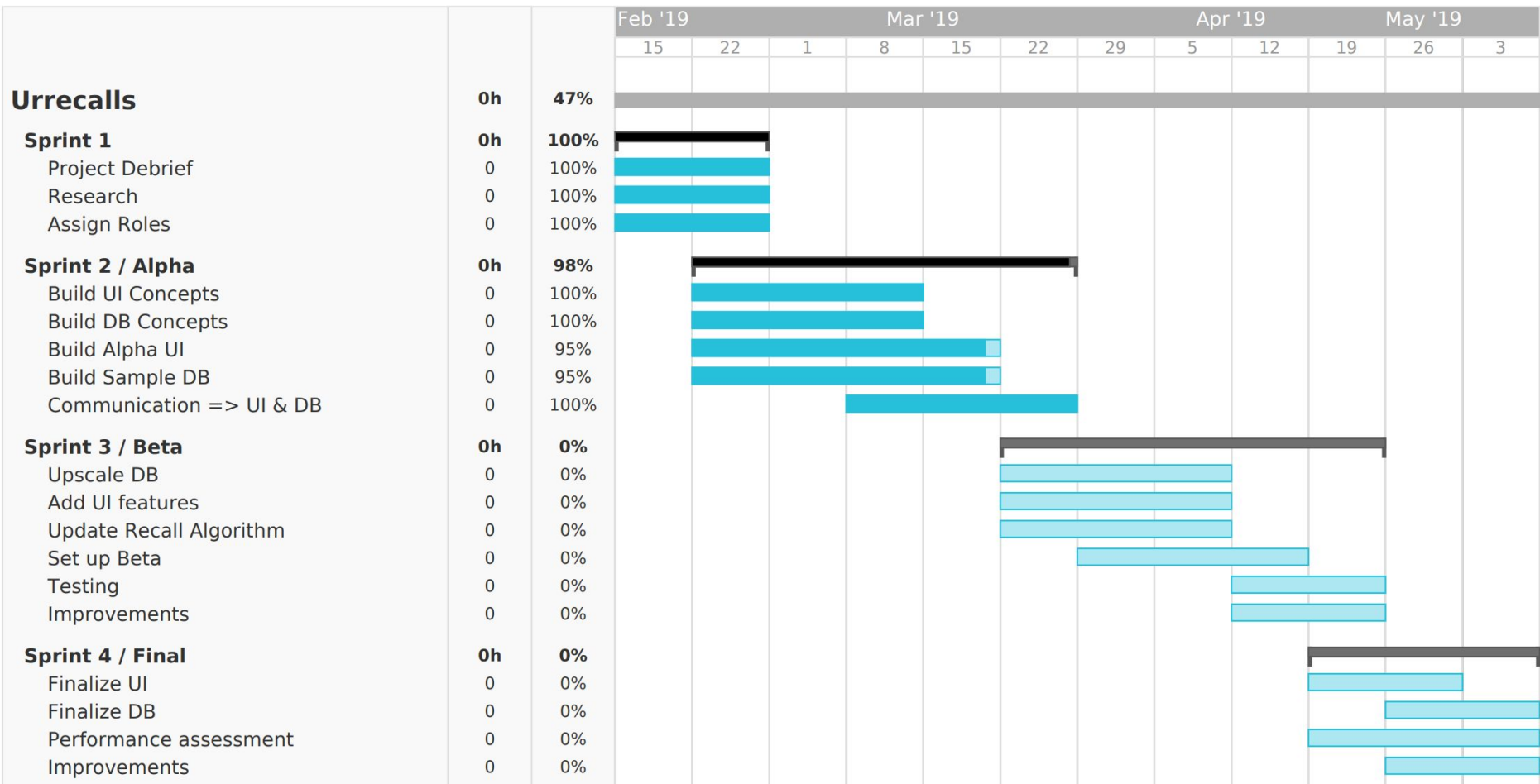
Work Breakdown Structure |

Work Breakdown Structure





Gantt Chart



Project Risks and Suggestions

Risks

Not knowing if every recall will be available

Not all product recall information includes
UPC/barcode

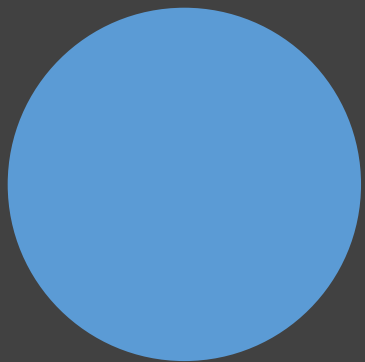
Suggestions

User product issue report forum

Standardize by product name and provide
suggestions while searching for recall

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 |
| Recall for every product may not be available | 0.7 | 8 | The app works as needed | Product no longer produced | Product not in recall database |

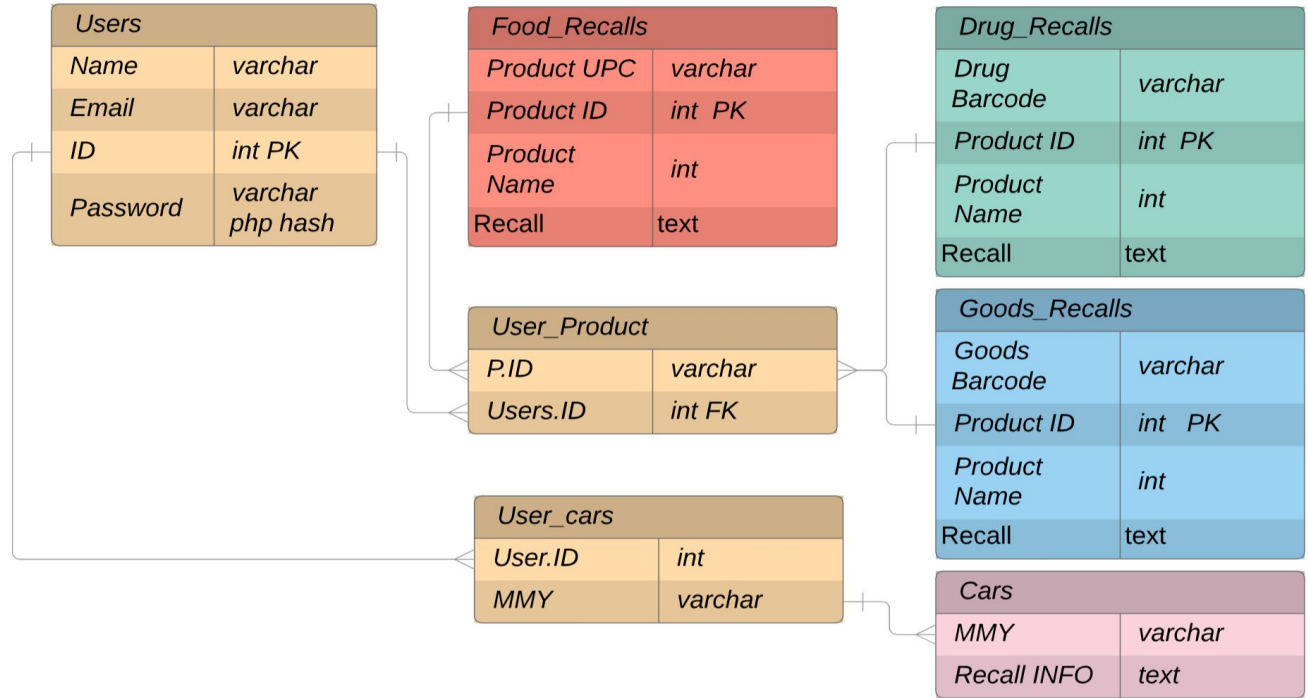


ER Diagram

Database ER Diagram

Urrecalls Database ER Diagram

Nikhil Patel | April 1, 2019



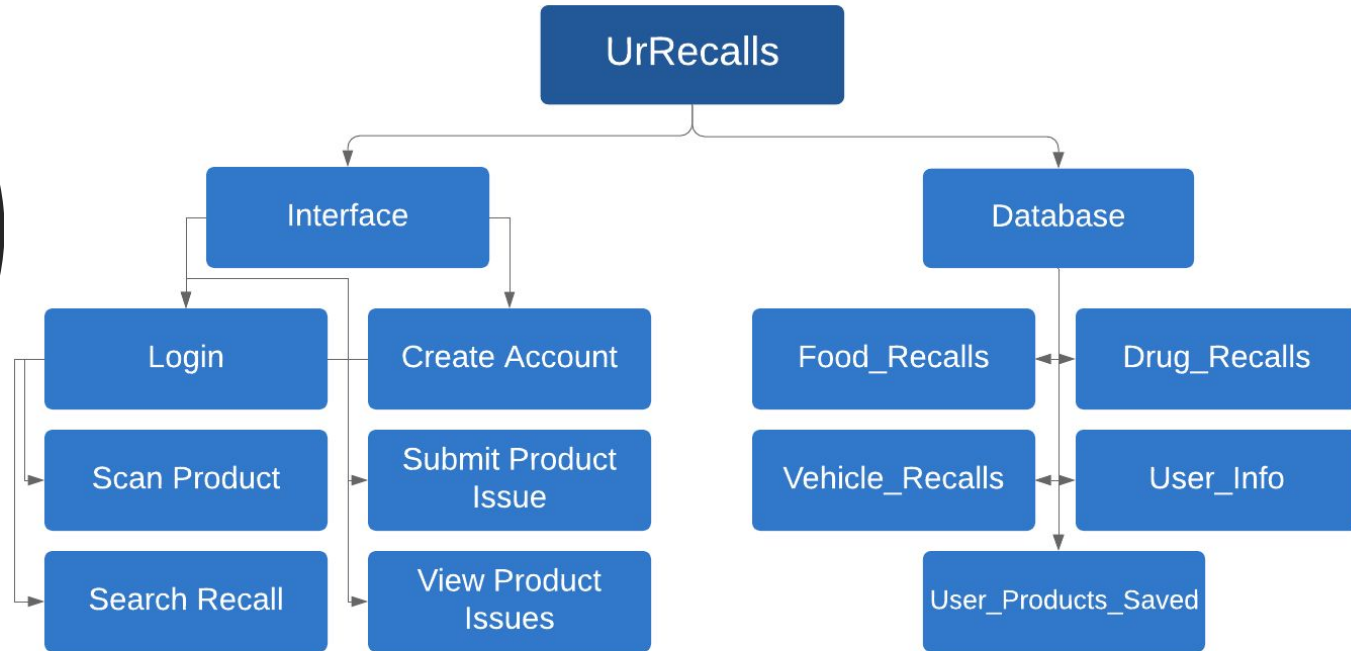


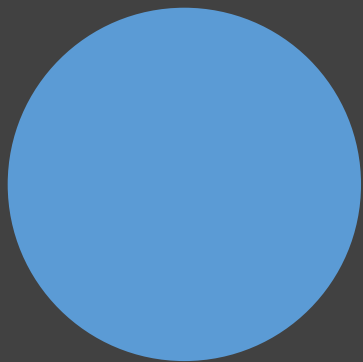
FD Diagram

FDD

Functional Decomposition Diagrams

Nikhil Patel | March 30, 2019





Prototype



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Notifications

History

Recall: Undeclared Eggs



Name: Frosted Flakes
UPC: 0 5844987024 1
Brand: Kelloggs
Item: Cereal
Date: 3/20/2019

Recall: Airbags



Name: Subaru Sedan
Make: Subaru
Model: Outback
Year : 2013

Recall: Seatbelt



Name: Stroller Roller 3
UPC: 0 232346345 2
Brand: Target
Item: Stroller
Date: 2/18/2019

Recall: Faulty Port



Name: Bose Wireless Headset
UPC: 0 5844987024 1
Brand: Bose
Item: Headphones
Date: 2/25/2019



Scan Recall

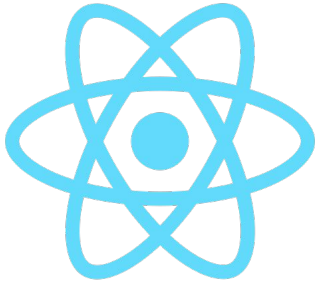


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Created Using

•Front-end: Affinity,
Adobe XD, React
Native

•Back-end: Various
API's, MySQL, PHP



Show of hands,
Who would use
this app?

Closing

Any Questions?

Works Cited

Slide 3: Left Pie chart

<https://www.advisenltd.com/advisen-data-spotlight-its-not-you-there-actually-are-more-food-recalls-than-there-used-to-be/>

Slide 3: Right Pie chart

<https://www.foodsafetynews.com/2018/08/bacteria-top-fda-recall-stats-for-2q-foreign-matter-leads-usda-recalls/>

Slide 3: Examples

<https://www.reuters.com/article/us-gm-recall-idUSKCN11F2AH>

<https://www.therichest.com/business/companies-business/the-10-scariest-product-recalls/>