Team H20

CS6440 - Introduction to Health Informatics - Fall 2017 Team Final Presentation

Video URL: YouTube

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Our Project Topic



DIABETES

DIABETES IS ON THE RISE

422 MILLION adults have diabetes

3.7 MILLION
deaths due to diabetes
and high blood glucose

1.5 MILLION
deaths caused
by diabetes

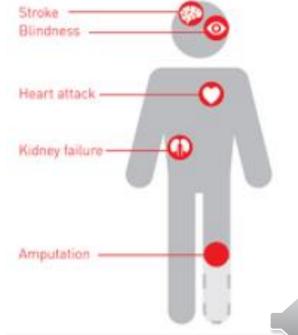


THAT'S 1 PERSON IN 11



Consequences

Diabetes can lead to complications in many parts of the body and increase the risk of dying prematurely.



Research

Needfinding:

Existing Apps







User Base:

Google Trends Data



Design Improvements:

User & Editorial Reviews Data





"Data input cannot be edited after saving and requires deletion and reentering"



"Data must be emailed separately with no direct in-app support"
"Although the app allows adding other conditions, they can't be tracked"



Our Project Goals

- Allow food entry tracking
- Allow health entry tracking
- See status over time
- Keep user informed through alerts
- Easy to use

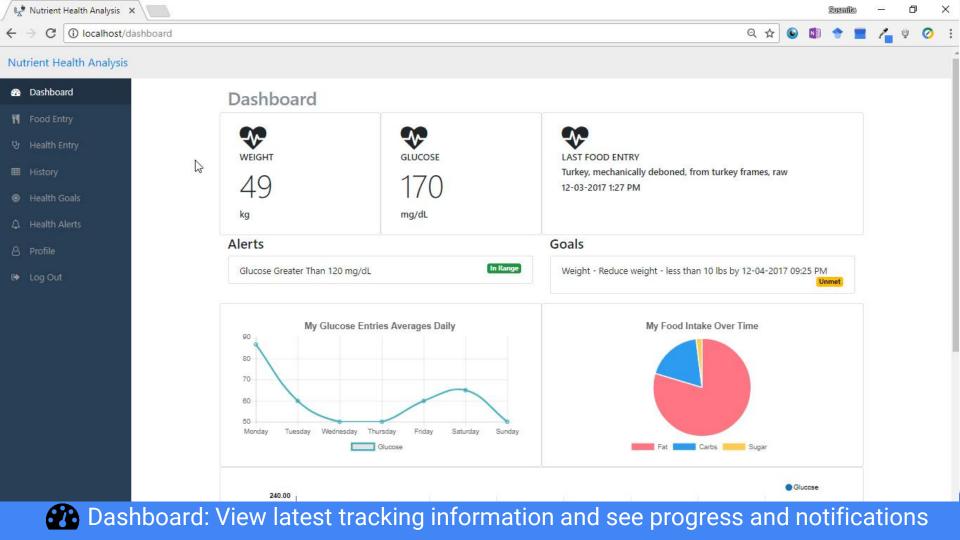


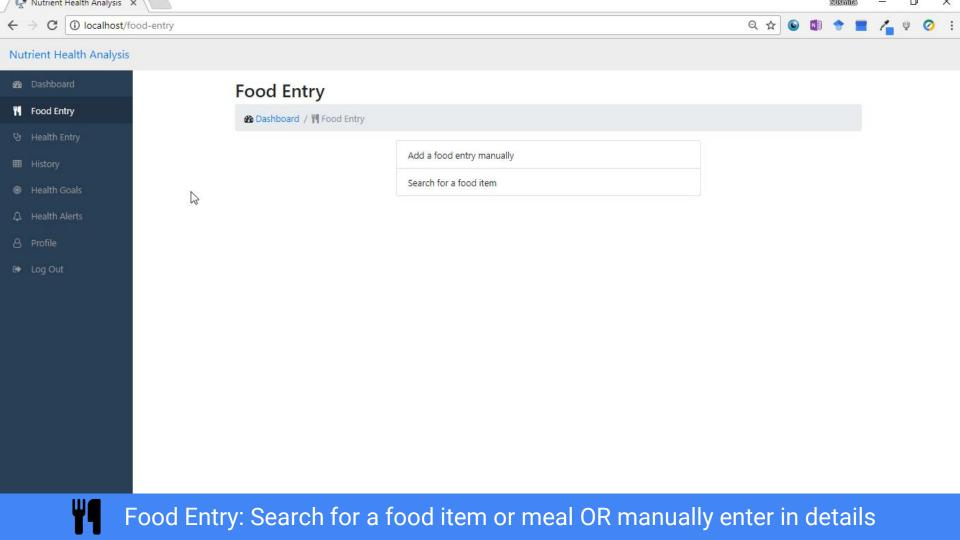


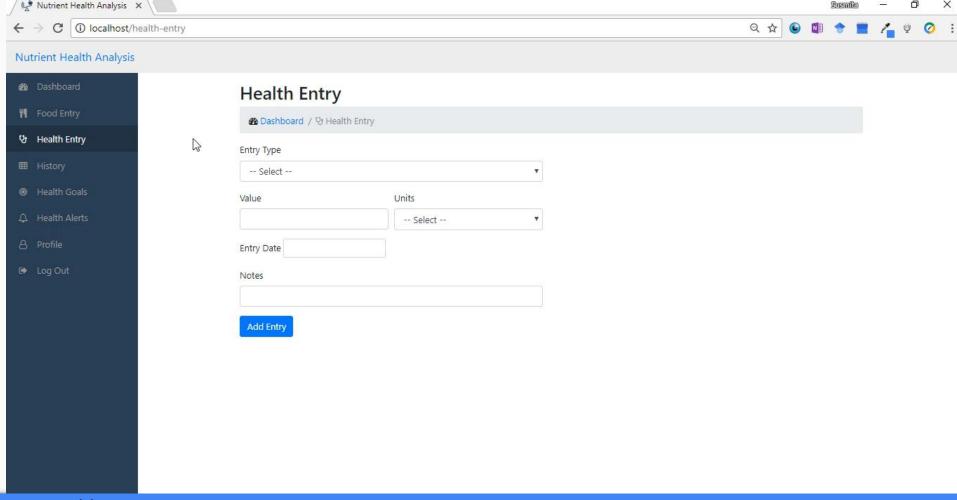




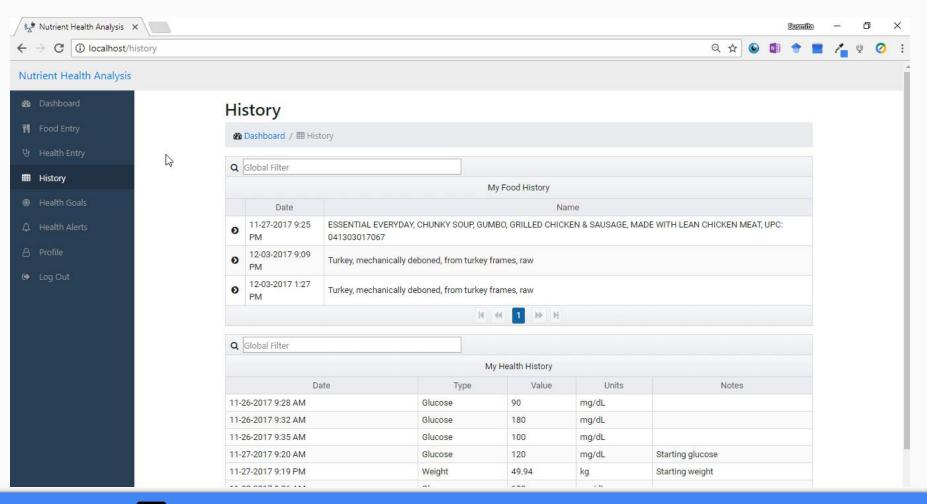
Login and Registration: Create a new account and log into account

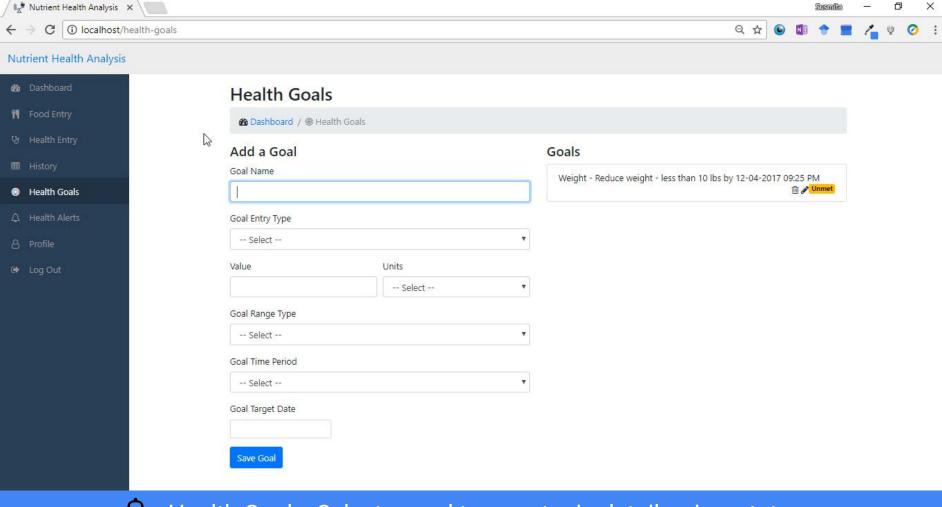






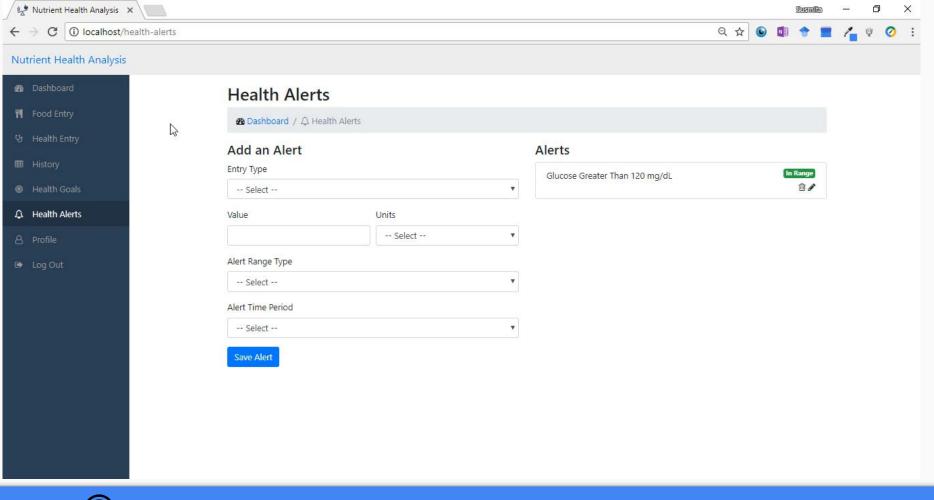
$\mathbf{\psi}_{\mathbf{j}}$ Health Value Entry: Select to track glucose or weight and enter in details



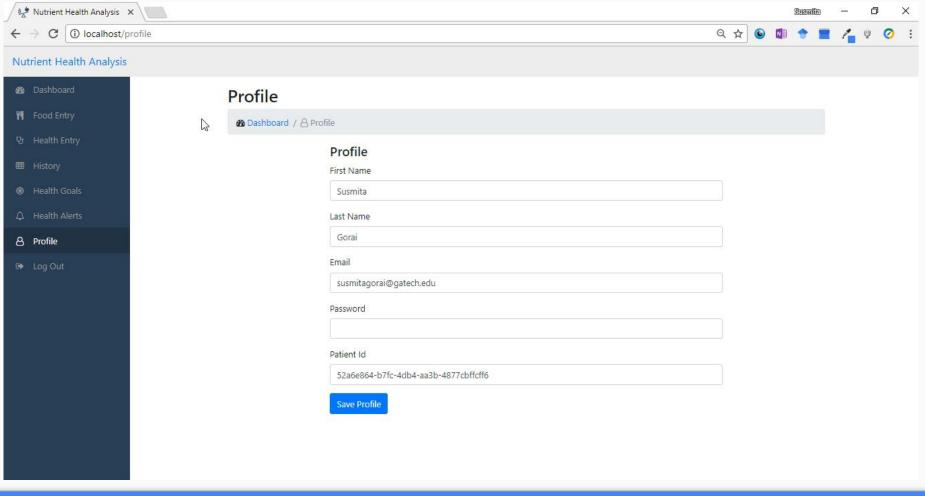




Health Goals: Select a goal type, enter in details, view status

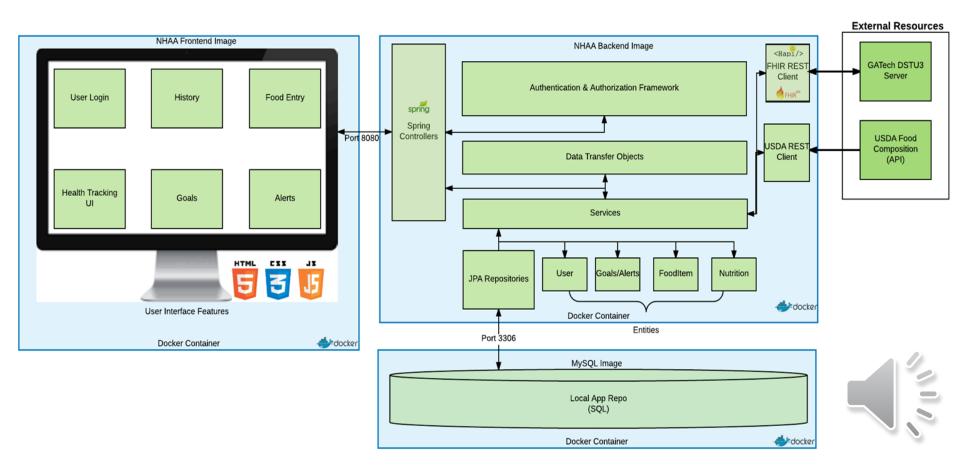


Mealth Alerts: Select a health metric and enter in a particular value and range

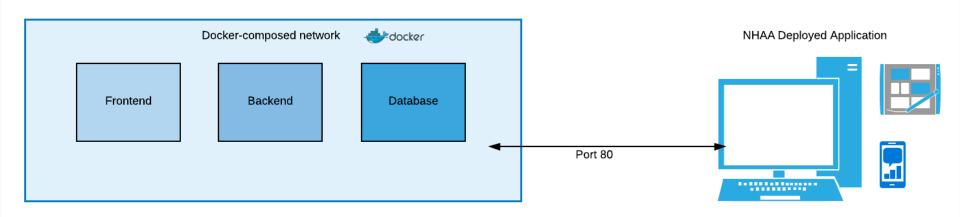




Our Current Status



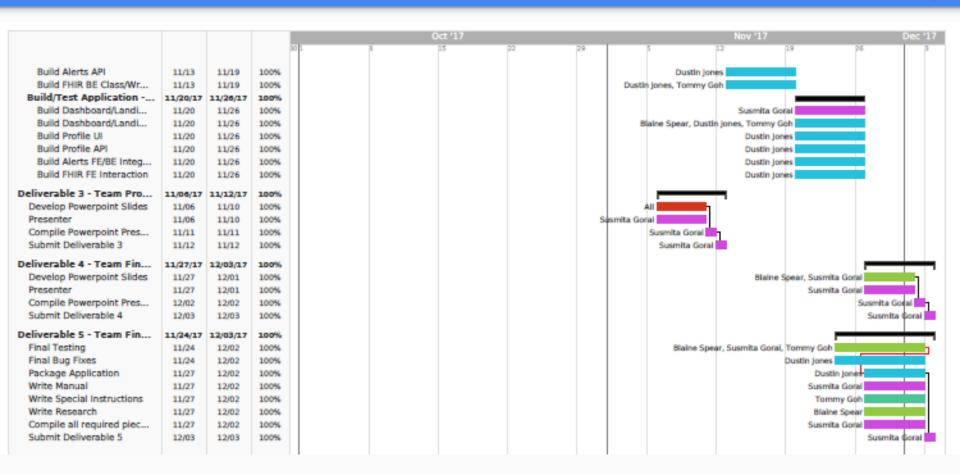
Our Deployment Strategy





Our Final Gantt Chart Update





Did we meet our goals?



Allow food entry tracking



Allow health entry tracking



See status over time



Keep user informed through alerts



Easy to use





Future Improvements

- **★** Recommendations
- **★** Machine Learning
- ★ Kid friendly version

- **★** Exercise levels
- ★ Other health values
- **★** oAuth



Our Team Contributions



- PM
- FE Dev
- Test

- FE Dev
- BE Dev
- PM

- BE Dev
- Research
- Test

- BE Dev
- Test
- Docker

