Obesity Tracker

Team Overview

- Prahar Patel (Sole Contributor)

Introduction

- Tracking food entries.
- Tracking health entries.
- Displaying charts/graphs for a short- and long-term analysis.
- Make data readable and understandable by our users.

WHY ?

- Obesity has been on an exponential incline especially in North America.
- There are more and more technology friendly people who can use the app.
- Helps them record and maintain their food intake as well as glucose levels to avoid being
  - Obese
  - Diabetic

System Architecture

- Backend (SpringBoot, JAVA)
- Frontend (Angular JS, TS and CSS)
- DB (MySQL)
- FHIR Service

Deployment Strategy

- All four services previously mentioned are containerized and deployed through docker.
- Each contain their DOCKERFILE
- The application can be run using “docker-compose up --build -d” from root directory.
- For demo, the app is deployed on my private VM (Virtual Machine) on Google Cloud Platform (GCP) and exposed to internet via ngrok.

Demo

- Youtube URL - https://youtu.be/MR2vG1reCQE

Future Work

- Recommendations
- More charts/graphs for food intake
- Cross-platform app that also works on mobile platforms