Technical and/or User Manual:

<u>Information on deployment</u>

The project is deployed in Azure. We have deployed SQL server, spring boot back-end application and front end. For backend, we have used Spring Web Apps Resource type and for frontend we have deployed it using Static web Apps

<u>Instruction for grading:</u>

An account has already been built for the test and inspection
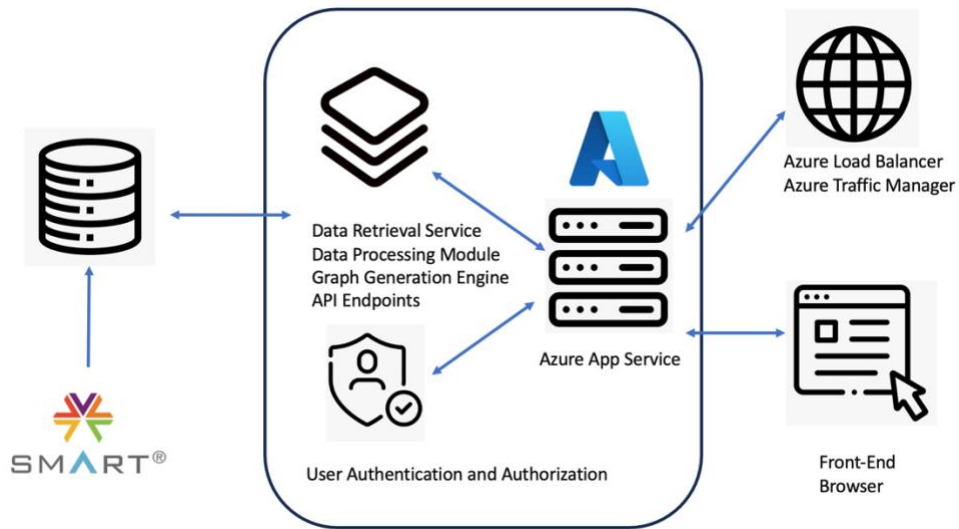
Username: dirkK   Password: 123456

1. Sign up for an account using a correct patient ID in FHIR system.
2. Enter the signed-up username and password to log in.
3. Click the Dashboard to see the health data trend (Blood Pressures/ Blood Glucose/ Food Intake/ Calories Calculation)
4. Enter food intake information for future tracking.
5. Look up personal information at the User Profile page

Research:

1. SMART on FHIR
   https://docs.smarthealthit.org/
2. Sample patient data of FHIR
   https://github.com/smart-on-fhir/sample-patients
3. Fetch Data From API (search by Patient ID):
   https://launch.smarthealthit.org/v/r4/fhir/Patient?_id=<patientid>
4. Postman: Data parsing, API calling test
5. FHIR Data structure learning
   https://hapi.fhir.org/baseR4/Patient
6. Restriction:
   No Latest data to track the correlation between calories/ activity and health condition

Architecture Diagram:

Figure 1 — Architecture Diagram

Startup and Configuration File:

For backend, the configuration file is application.properties. File location: src/main/resources/application.properties, For the front end, we don't have config file.