Practicum Sprint #5

WHAT YOU HAVE ACCOMPLISHED THIS WEEK

- Embedded the Synthea image published by Docker hub as a service to our **docker-compose.yml file** that sits on the top of our spring boot application. All the commands that are specific to the Synthea application can now be executed inside this container. This will allow the API service to talk with Synthea and the necessary flag passed by the user can be mapped programmatically between the services for generating the relevant data.
- Investigated all the required profiles for US Core implementation guide and added it to the code repository.
- Added a method to retrieve all the attributes from all profiles for implementation guide (US Core). In the next sprint, we will use these values to make a comparison with the actual Synthea data and figure out the missing attributes.
- Added a method to handle code datatype to fetch values from valueset when it's available and send a warning when the valueset is not in json format.
- Mapped default values for primitive data types which will be sent as response in case the data is not available from Synthea.

HAVE YOU CONNECTED WITH YOUR MENTORS:

- We are having weekly sync with Mentors.

CHALLENGES YOU HAVE ENCOUNTERED

- Figuring out the missing attribute in the Synthea JSON file which is present in the implementation guide. Initial approach that was discussed among the teams was to fetch each attribute from Synthea data using different functions. However, the required effort to complete this task turned out to be greater than the requirement it was going to satisfy. Hence, the team is considering different approaches.

YOUR PLANS MOVING FORWARD

- Get the profiles and corresponding fields for each profile which has to be included in the generated example.
- Add feature to generate values for the fields for both missing profiles and missing fields within each profile
- Add a test API which can be used to test the application to get data from Synthea based on the flag set and send responses back to the UI.

HOW MANY HOURS HAVE YOU SPENT ON THE PROJECT THIS WEEK AND LAST WEEK

- Roughly 8 to 10 hours

HOW MANY DO YOU PLAN TO SPEND NEXT WEEK

- Roughly 8 to 10 hours