Bi-Weekly Report Number 10

FHIR FLI Version 2.0

Team Number 18

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Current Progress:

We have arranged a progress check meeting with our client the Friday before this one and he gave a positive feedback. Although changing the design of the front-end of the web application wasn't a part of our requirements we didn't like the design as it was too simple, non-responsive and not intuitive, so we decided to try to incorporate changing it in our schedule.

Mostafa has finally managed to fix the Fitbit logging out error on redirect (which we thought it was fixed last week), however we discovered that it wasnt and he had to re-implement a different Fitbit API library which caused a setback on our progress. Docker integration (a requirement) & HTTPS (part of the Fitbit Protocol) has also been done.

Zhengxian has talked to the client about the fact that we need a wildcard DNS Certificate to complete the decentralised data storage requirement, that is due to the fact that we are implementing a technology called Solid inrupt which requires the user to have certain prefixes and his username in a URL which needs this certificate.

Every team member individual progress:

- **Mostafa Ibrahim:**
    - Fixed Logging out bug (Major bug)
    - Meeting with the client to check his feedback
    - Re-implementation of a different Fitbit API library
    - Working on parameters endpoint checking of the user registration system.

- **Zhengxian Fan:**
    - Continuing with Solid Inrupt implementation
    - Researching into DNS Wildcard certificates and their cost

- **Jiahao Wang:**
    - Working on front-end edits
    - Working alongside Zhengxian Fan on finishing the third requirement
    - Implementing a ReactJS template to change the whole website design.

Next 2 weeks plan:

We aim to try to finish the project as much as possible during the next 2 weeks due to the fact that we have our final exams and the deadline for submission in 5 weeks. The next steps include purchasing the wildcard DNS certificate, finishing the Solid Inrupt implementation, storing the Fitbit FHiR data into Solid and designing an API to grab the data from the storage and represent at least 1 visualisation (according to the client).

After doing that, we will start testing the whole system and making sure everything works. Also, we will get started on doing the rest of the submissions which include:

- 2 Videos
- Client code handover and walkthrough
- Final Presentation
- Final Website
- Final Individual report and deciding the contribution table.