EE/CPRE/SE 492 WEEKLY REPORT 7   Date: 10/24/16

Group number: DEC1610
Project title: Continued Aggregation and Analysis of HealthCare Data
Client : UnityPoint Health, Des Moines, Iowa
Advisor: Prof. Mitra

Team Member	Role
Ben Kixmiller	Key Concept Holder
Haythem Ebrahem	Key Concept Holder
Cuong (Brian) Nguyen	Team Communications Leader
George Ndemi	Key Concept Holder
Jonathan Campbell	Team Webmaster
Aakash Sheth	Team Leader

(All the above information should be there in each weekly report)

✓ Weekly Summary (Short summary about what you did this week)

This week we went to Unity Point in Des Moines for an in person meeting. We showed off a proof of concept that took data from a fitbit and displayed statistics and relevant graphs. We had some technical difficulties with the backend so we are still trying to finish on that.

Past week accomplishments (please describe as what was done, by whom, when)

- ❖ Aakash
    - o Preparing for live demo
    - o Started working on web application component
        - ▪ Set up node server to make OAuth authenticated requests
        - ▪ Created REST endpoint to allow client requests
- ❖ Ben

- o Attend UPH meeting.
- o Working with George and Jon on the backend.
- ❖ Brian
  - o Implement admin authentication to app

- ❖ George
  - o Worked with Ben and Jon on the backend

- ❖ Haythem
  - o Attend UPH meeting in Des moines.
  - o Update tables on the severs
- ❖ Jonathan
  - o Finished attempting to connect spring to azure
  - o Decided on dev/production type setup
  - o UPH meeting in des moines

✓ **Pending issues (if applicable)**
   ❖
✓ **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS Cumulative Including Last semester
Aakash	- Developed a UI for the web to as a client to our node service - In Angular - I made several routes for various REST calls - Each request is authenticated - Created views for steps, heart rate, weight, and running simple queries against FitBit	12	102

Jonathan	● Spring connection to azure ● Attended UPH meeting	5	65
Ben	● Attend UPH meeting ● Worked on backend	3	61
Haythem	● Attend UPH meeting ●	3	98
George	● Worked on backend.	3	91
Brian	● Implement admin authentication ●	5	74

✓ **Comments and extended discussion**

✓ **Plan for coming week (please describe as what, who, when)**
  ❖ Aakash
      o
      o
  ❖ Brian
      o Continue to implement admin page
  ❖ Ben
      o Work with George and Jon to connect the backend.
      o
  ❖ George
      o Work with Ben and Jon on backend.
  ❖ Jonathan
      o Start working on controllers for rest point apis

✓ Summary of weekly advisor meeting (if applicable/optional)

We went as a group to Unity Point in Des Moines to show what we have done so far. Our demo (website) gets the steps, calories, food that we enter into the website, and tracking sleep. We thought they were happy with the demo but they had a couple things they wanted us to add. They would like us to show weekly, quarterly, and yearly data to see the trends of the data. They also suggested badges/achievements to help motivate the user to reach a goal that they set. We plan to meet with a physician from Unity Point to figure out what type of data they would get and suggestions for our app.