EE/CPRE/SE 492 WEEKLY REPORT 1   **Date: 9/13/16**

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

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)**

At the start of the school year, we each took a task to work on. We have a new advisor now in Dr. Mitra. We met with Wade a couple of times to tell him of our progress and what we are going to work on in the future. We have a meeting with Wade on the 14th to show him what we have done since this semester. We are also meeting with our new advisor next week.

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

❖ Aakash
   o Continued development on iOS app
   o Prototyped the layout, and overall design
      ▪ Working with TabBar Controller to set initial layout

- ▪ Experimented with HealthKit API
  - ● Able to get/set steps, heart rate etc
  - ● Started on stats for base data set
- o Set up meeting time with advisor
- o Created tasks in Trello
- ❖ Ben
  - o Worked on implementing bar charts.
  - o For the first week of the semester, reviewed Swift.
- ❖ Brian
  - o Learn how Fitbit API work
  - o Learn more about Swift
  - o Attend the meeting

- ❖ George
  - o Worked on data analysis- standard deviation, mean , min and max.
  - o Worked on fitbit implementations.
  - o Attended meeting.

- ❖ Haythem
  - o Research local DB.
  - o Implemented Realm framework.
  - o Implemented add and query functions.
  - o Attended Meetings.
- ❖ Jonathan
  - o Review swift
  - o Attend meetings

✓ Pending issues (if applicable)
  ❖

✓ Individual contributions

NAME	Individual Contributions	Hours this week	HOURS Cumulative Including Last semester
Aakash	● Scheduled weekly meeting ● Finished TabBar Layout ● Integrated HealthKit manager ○ Able to save and get user inputted data ● Looking into AWS for backend hosting options	6	54
Jonathan	● Swift ● Meetings	3	43
Ben	● First week- Swift ● After that, worked on implementing graphs ● Weekly Report Writeup	8	46
Haythem	● Implemented Realm framework. ● Implemented add and query functions.	12	57
George	● Worked on data analysis ● Attended meeting ● Fitbit implementation.	10	57
Brian	● Attended weekly meeting ● Fitbit API	3	41

✓ Comments and extended discussion

✓ Plan for coming week (please describe as what, who, when)
  ❖ Aakash
      ○ I need to implement more iOS design features to make the app more native

- o We need to connect to the FitBit API, and explore other wearable options that we can gather data from
- ❖ Brian
  - o Set up Fibit account
- ❖ Ben
  - o Work with George on implementing Garmin
  - o Research more about Garmin
- ❖ George
  - o Work on Garmin.
- ❖ Jonathan
  - o Look in to db solutions
- ❖ Haythem
  - o Implement delete for db.
  - o Work with Cuong for adding fitbit data to the db.

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

No meeting with advisor.