

EE/CPRE/SE 492 WEEKLY REPORT 4

Date: 10/03/16

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 Ebrahim	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 started working on the backend and researching Spring Boot and connecting to the provided SQL server.

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

❖ Aakash

- o Communicated with client, and team
- o Mostly helped others with iOS project setup and Git
- o Setup a pull request system
- o Updated Trello
- o Replaced many placeholder data with actual data from HealthKit.

❖ Ben

- o Line Charts are done with help from Aakash.

- o Begin researching GET requests.
- ❖ Brian
 - o Implement more util functions to get different Fitbit data
- ❖ George
 - o Worked on DynamoDb
 - o Started working on Azure
- ❖ Haythem
 - o Work with AWS.
 - o Work with AZura.
- ❖ Jonathan
 - o Connect Spring api with self hosted azure db
 - o Started creating DAOs

✓ **Pending issues (if applicable)**



✓ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS Cumulative Including Last semester</u>
Aakash	<ul style="list-style-type: none"> ● Started OAuth process <ul style="list-style-type: none"> o Spoke with Kyle from UPH about help with this o FitBit developer settings configuration also took some time ● Was able to create methods for calculating standard dev and avg for each of the metrics ● I demo'd at the weekly meeting 	7	80
Jonathan	<ul style="list-style-type: none"> ● Created some daos ● Connected spring to azure db 	4	56

Ben	<ul style="list-style-type: none"> ● Researched Get Requests ● Attended Weekly Meeting 	3	54
Haythem	<ul style="list-style-type: none"> ● Work with Azura ● Work with AWS 	10	87
George	<ul style="list-style-type: none"> ● Worked on Amazon DynamoDb ● Worked on Azure 	9	80
Brian	<ul style="list-style-type: none"> ● Wrote more util function for diff data ● 	4	59

✓ **Comments and extended discussion**

We started working on AWS and Azure but it canceled by client.

✓ **Plan for coming week (please describe as what, who, when)**

❖ Aakash

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❖ Brian

- Research on Garmin devices and API

❖ Ben

- Work on Get Requests

❖ George

- Work on azure

❖ Jonathan

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❖ Haythem

- Work on SQL server.

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

None