

Benjamin Tate, Tanner Quesenberry, Ricky Ngo, Ivan Xa, and Andrea Dias
Group 10
04/23/2017
CS 361 -- Section 400
Weekly Update 2 for Project A
Due: 11:30 pm

What we accomplished this week:

- Customer was sent a brief document with questions regarding the scope of the proposed project and the finer details of its intended implementation.
- Had a group meeting 1pm 4/20 to establish goals, assign tasks, etc.
 - Talked about our understanding of the requirements as we see them now
 - Discussed ideas for possible expansion of the system scope
- Send Summary of our idea of what the customer's system will be
- Determine whether or not to add more features to the project.
- Determine customer's priorities with regards to added features
- Received response from customer regarding our summary of his vision and ideas for expansion
 - Customer approved summary and ideas
 - We will need to ask for more details about his priorities
- Meeting on Tuesday at 10am if customer didn't respond in time for Sunday's meeting

Who completed or helped in each task

- Each group member composed a few questions to be asked of the customer.

Did you accomplish all that was planned?

- Yes, we created a game plan for what we are going to do and figured out who is going to do what.

What are your goals for next week.

- Complete a rough and/or final draft for each portion of the project.
- Review each other's work and determine necessary changes for final draft submission the following week.

Rough idea of the split in work we do:

1)Unstructured Text

2)3 most important use cases

3)Unstructured text fit criteria

4)UML class diagram or ERD

5)Message sequence chart

6)Photograph

7)Dataflow diagram

8)lower-level dataflow

9)failure node

10)discussion of how well architecture supports

Roles:

Ricky - 7, 8

Benjamin - 3, 4

Ivan - 5, 6

Tanner - 9, 10

Andrea - 1, 2

Summary:

Essentially, we want to have a site and/or mobile app that has a search function in which you can search with certain criteria (radius, area code, city, doctor network, people who are referred to your hospital a lot etc.) the EMR systems of hospitals, health care clinics, etc.. The person who would be using this site would most likely be a person in charge of the clinic/hospital, but as a public site/app, anyone would have access to this application. To access the application, one could have a login (username, password) for services dealing with patient records, but it could also be used without a login for non patient related services. Did we get this right?

As for now, we think that the scope of the project is too small for the requirements in Project A, but one of your responses did mention the possibility of a central database.

“Now that I think about it, if this project seems to limited, it might be nice to take those survey results and create our own central database with them for easier access instead of having to open the survey every time someone searches. I will leave that up to you since either way will work.”

We have some suggestions below that could implement this central database as well as other ideas to increase the scope of the project. Please let us know which ones you would be interested in adding and an idea of how they would work. For the project, we are assuming that we have unlimited time and money as per the Project A description.

Suggestions:

- Use results of national survey of healthcare providers to create centralized database
- Give individual providers the ability to keep a list of colleagues that they often refer patients to or get referrals from
- Free EMR system for healthcare providers (think Open Source vs Closed Source)
 - Have all new patient health records be inserted into the new system going forward

- Have hospitals buyout their historical data and transferred to our new system or we buyout the data from our competitors.
- Allow medical professionals to share EMR data between one another for shared patients
- Possibly allow public site to review providers