Sprint 3 Plan - VoiceToText - EK Health - March 14, 2016 - Revision 0

Goals: Build an user interface that closely mimics the official DataCare's web service. Attempt to successfully connect to the same backend database of DataCare's web service in order to pull, push, and update data as required by the mobile application interface.

Task listing, organized by user story:

1. As a developer, I need to access the DataCare's testing Database Server, so that the nurses can interact with a system that mimics the DataCare's web service.

   Tasks:

   1. Meet with the Datacare engineer and learn how to connect to DataCare's server. (4 ideal hours)
   2. Learn how fetch data from the server, update data from the server, and push data to the server. (8 ideal hours)
   3. Implement the fetch, update, and push on iOS and Android versions. (20 ideal hours on each platform)
   4. Learn how to set up authentication with the server securely. Possibly look for resources on encrypting data on mobile phone if plausible. (5 ideal hours)
   5. (Android: RS, KC, OR, GA) (iOS: MC, VT, LG)
   6. 8 Story Points
2. As a developer, I need to build interfaces for Android and iOS that are similar to each other, so that users feel comfortable switching their platforms and still feel they are using the same system.

Tasks:

1. Create activities for each of login/cases/ViewCase/EditCase/AddNote. (10 ideal hours)
2. Implement a tableview of “My Cases”. (10 ideal hours)
3. Implement a detailed view for each case and connect it to the parent table view (20 ideal hours)
4. Connect the offline voice recognition to the notes section.
5. (Android: RS, KC, OR, GA) (iOS: MC, VT, LG)
6. 13 Story Points

3. As a developer, I need to load the most commonly used words by a nurse using DataCare’s web service into the application system, so the offline speech recognition accuracy increases.

   Tasks:

   1. Research how to load different word files. (2 ideal hours)
   2. Implement limited dictionary that is accurate but smaller. (2 ideal hours)
   3. (Android: RS, KC, OR, GA) (iOS: MC, VT, LG)
   4. 5 Story Points

4. As software engineers, we need to perform testing and ensure the project we build is functional.

   Tasks:

   1. Test the offline voice recognition module. (3 ideal hours)
   2. Test the application interface and UI objects. (5 ideal hours)
   3. (Everyone)
   4. 3 Story Points

5. As a user, I must be able to read and have access to a user manual, so that I can understand how to login, view cases, edit notes for a case, and create cases.

   Tasks:

   1. Write an easy to read user manual. (3 ideal hours)

2. Implement a view in the mobile applications if plausible for user manual (5 ideal hours)
3. (Everyone)
4. 3 Story Points

Team Roles:

Octavio (OR) - Software Engineer

Kalpana (KC)- Software Engineer

Robin (RS) - Software Engineer, Liaison

Karthik (VT) - Software Engineer

George (GA) - Software Engineer

Marcos (MC) - Software Engineer, Scrum Master

Lou (LG)- Software Engineer

Initial Task Assignment:

Octavio (OR) - User story 3. Research how to load different word file for Android.

Kalpana (KC) - User story 2. Implement an Android User Interface.

Robin (RS) - User story 1. Learn how to set up authentication with the server securely.

Karthik (VT) - User story 2. Implement an iOS User Interface.

George (GA) - User story 1. Implement the fetch, update, and push on Android.

Marcos (MC) - User story 3. Research how to load different word files for iOS .

Lou (LG) - User story 1. Implement the fetch, update, and push on iOS.

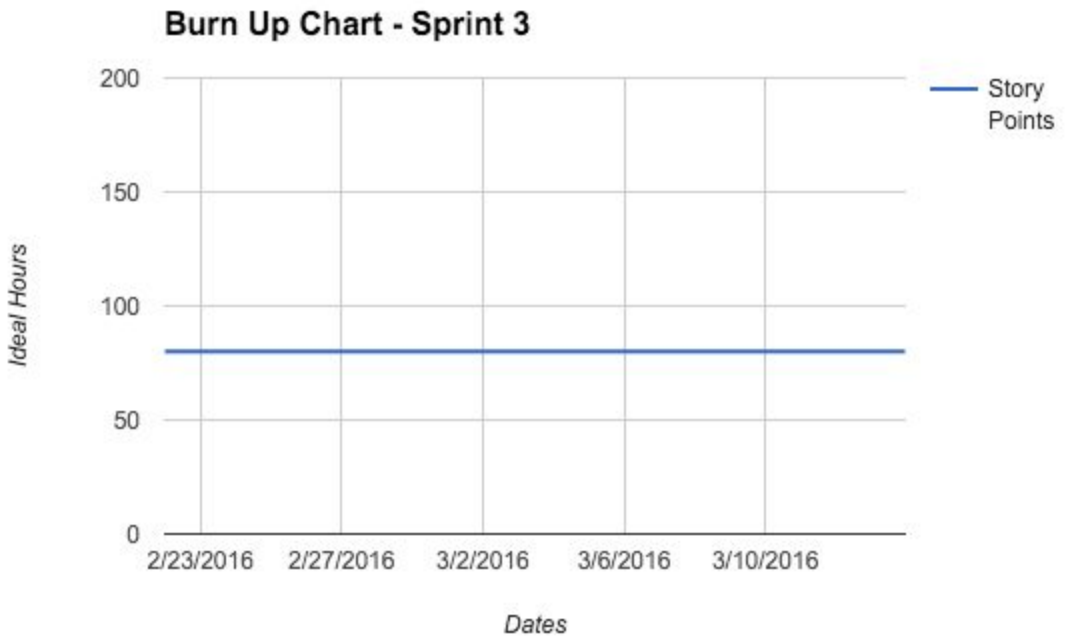
Scrum Meeting Times

Tuesday 6 PM

Thursday 6 PM - Meeting with TA at 6:30 PM

Sunday 1 PM

Initial Burn Up Chart



Initial Scrum Board - Sprint 3