

## **Release Plan 2 EK VoiceText - EK Health - April 7 - June 2 - Version 1 (4/5/16)**

**Team Name:** EK Health, DataCare

**Team Members:** Lou, George, Octavio, Karthik, Kalpana, Marcos

**Tentative Project Title:** EK VoiceTet

**Description:** A voice-to-text framework that enables healthcare professionals to record notes and view demographics information regarding the various patients under their care.

**High Level Goals:** Incorporate the workflow of adding a new “Activity Note” into a mobile platform (iOS and Android) and utilize the offline speech module (OpenEars and Pocket Sphinx) and the offline data synchronization. Improve the User Interface and User Experience

### **Team Roles:**

Octavio (OR) - Software Engineer

Kalpana (KC) - Software Engineer

Karthik (VT) - Software Engineer

George (GA) - Software Engineer

Marcos (MC) - Software Engineer

Lou (LG) - Software Engineer

### **User Stories for Release:**

#### **Sprint 1:**

1. As software engineers, we need to FETCH data from an online database server (Firebase) so that we can connect the data to the UI objects in the application.

Tasks:

- a. Establish Firebase connection
- b. FETCH data from the database
- c. Parse JSON using SwiftyJSON on iOS and JSONReader on Android

- d. Connect JSON (key, value) pairs to UI Objects

User Points: 13 Points. VT MC LG KC GA OR

2. As software engineers, we need to continue developing (making modifications) the user interface for the iOS and Android versions of the applications so that the user experience between both applications is seamless.

Tasks:

- a. Follow iOS design guidelines
- b. Follow Android's Material design guidelines
- c. Minimize layout differences between both applications
- d. Design UI components (i.e. home screen icon) for both platforms
- e. Display the most recent report number
- f. Display who submitted the note(s) and at what time (reverse chronological order)
- g. User should be able to create a note for specific contact that is clicked

User Points: 13 Points. VT MC LG KC GA OR

3. As a user of the application, I want to note down how much time I spent working on a case so that I can bill the client properly and record it in the notes.

Tasks:

- a. Implement a timer object that keeps track a user is working on a client's case
- b. Record the timer in the notes
- c. Save the time into the database

User Points: 8 Points. GA VT LG MC

4. As software engineers we want to continue finding ways of improving offline voice recognition libraries.

Tasks:

- d. Research methods to improve offline libraries
- e. Test improvement efficiency

User Points: 3 Points. GA VT LG MC

## **Sprint 2:**

1. As software engineers, we need to test at least two major modules (database and offline speech module) of the application, so that at the of the release the application is fully functional.

Tasks:

- a. Test if data is being fetched and updated when connected/not connected to network
- b. Test if OpenEars and PocketSphinx work

User Points: 8 Points. Everyone

2. As software engineers, we need to practice our presentation for Sponsor's day and create a powerpoint presentation to demonstrate our application and the tools we used.

Tasks:

- a. Create a powerpoint that showcases the core features of the application
- b. Practice

User Points: 8 Points. Everyone

3. As software engineers, we need to implement a search controller that allows users to search content such recent notes.

Tasks:

- a. Implement a search controller in iOS and Android

User Points: 5 Points. Everyone

Backlog:

None so far.