Want 2 Remember App

powered by We2Link, Inc.

The Team:

Michael C. Malone, Company Liaison
Steven Conaway, Company Software Liaison
Zilong, Ye, Faculty Advisor
Kevin Benavente, Team Lead
Liangbin/Leon Huang
Tanya Kitchaiskulrit
Jesus Roman
Jesus Osuna
Edward Ramirez
Alejandro Salazar
Thomas Weatherell

Mission Statement: Develop and deploy a Mobile and Web app to help those with cognitive impairment and their caregivers to gain increased freedom through short term memory support.

Topics

- Team Scope of Work

- System Architecture

- Overview (High Level View)

- Training

- Git Schema/Process

- Agile Methodology

- Closer Look of the Application (Custom Components)

- Beta Testing Distribution

- Application Demo

- Future Work

Kevin Benavente

Team Scope of Work

The team is focus on building the minimum viable product
to go to market.

| App Capability	Required	Desired
App Beta Upgrade		
Code Refactoring	X	
Beta User Question Support / Response	X	
Program using an Agile Methodology	X	
Additional Memory Template implementation and optimization	X	
Redesign User Interface	X	
Circle of Care		
Implement Shared Access to user profile	X	
Geo-tracking of supported user	X	
Proximity		
User Proximity with GPS	X	
User Proximity with Bluetooth		X
Location Proximity with GPS	X	
App Revenue Generation		
In App Ad Integration (Ad Service API)	X	

Kevin Benavente

System Architecture

3 Major Part to our Architecture
– Offline Storage (Redux, Device
File System etc.)
- iPhone/Android Mobile Application
powered by React Native
– Cloud Database Server built with
MongoDB
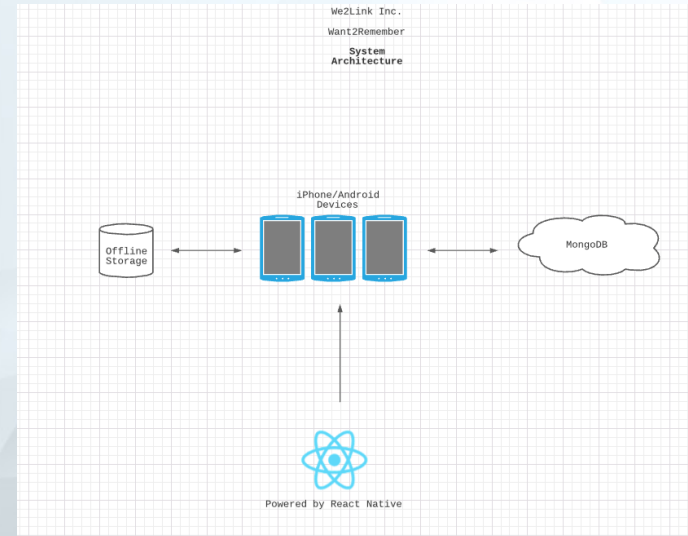

```
4
5    const initialState = {
6        memories: [],
7        memoryID: 0,
8        focusedMemory: {memory: null, navigatedFrom: null},
9        imported: false,
10       version: null,
11   };
```

Overview
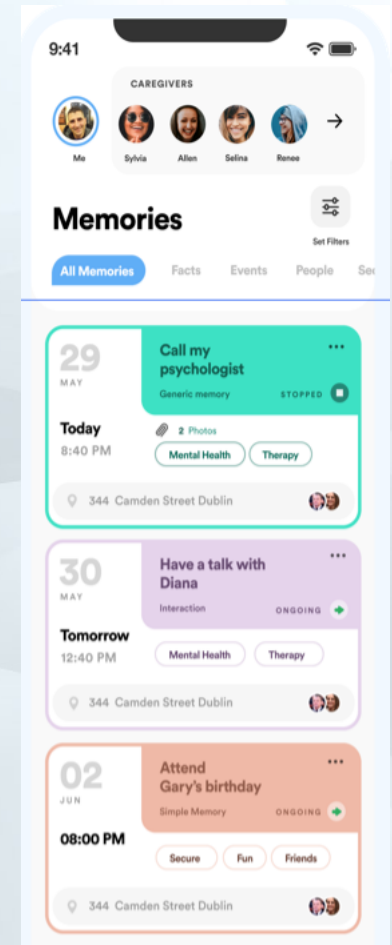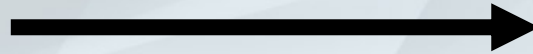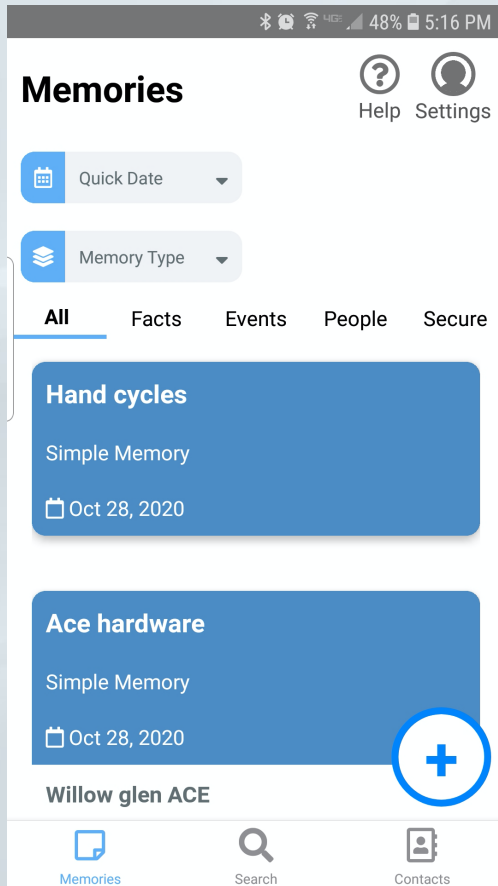
React Native/JavaScript

- Udemy Course
- 2 weeks of learning
- Setting up emulators
- Expo CLI* vs React Native CLI*
- Condensed outline for the course
- 32.5 hours whole course vs 17.5 hours condensed

- React Native - The Practical Guide [2020 Edition]
  - Bonus: JavaScript Refresher — 50 minutes
  - Bonus: React.js Refresher — 1 hour 6 minutes
  - Getting Started — 1 hour 11 minutes
  - Diving into the Basics [COURSE GOALS APP] — 2 hours
  - Debugging React Native Apps — 32 minutes
  - Components, Styling, Layouts — Building Real Apps [GUESS A NUMBER APP] — 3 hours 49 minutes
  - Responsive & Adaptive User Interfaces and Apps — 1 hour 16 minutes
  - Navigation with React Navigation [THE MEALS APP] — 4 hours 10 minutes
  - Updating to React Navigation 5+ —1 hour 26 minutes
  - State Management & Redux — 1 hour 8 minutes

Development > **Mobile Development** > **React Native**

React Native - The Practical Guide [2020 Edition]

Use React Native and your React knowledge to build native iOS and Android Apps - incl. Push Notifications, Hooks, Redux

Bestseller 4.6 ★★★★☆ (17,728 ratings) 96,196 students

Created by Academind by Maximilian Schwarzmüller, Maximilian Schwarzmüller

Last updated 11/2020   English   English, French [Auto], 6 more

Wishlist ♡   Share ↗   Gift this course

What you'll learn

- ✓ Build native mobile apps with JavaScript and React
- ✓ Dive deeper into React Native
- ✓ Develop cross-platform (iOS and Android) mobile apps without knowing Swift, ObjectiveC or Java/ Android
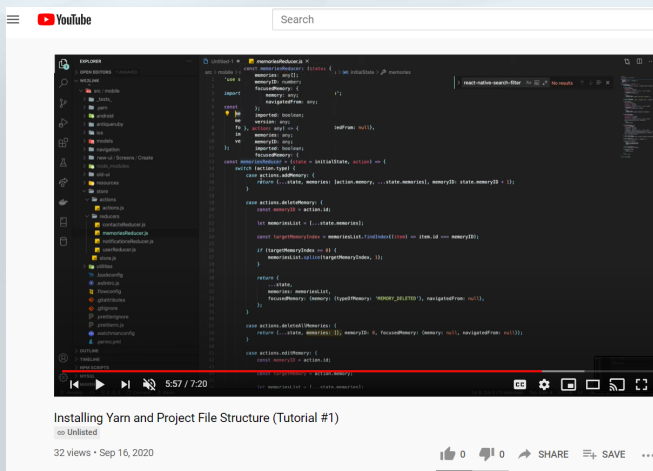
* command-line interface (CLI) processes commands to a computer program in the form of lines of text
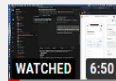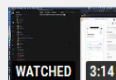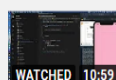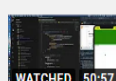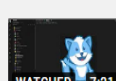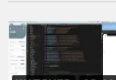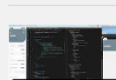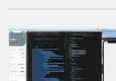
Leon Huang

Training

Personalized Training
- In Depth Training
- Project File Structure
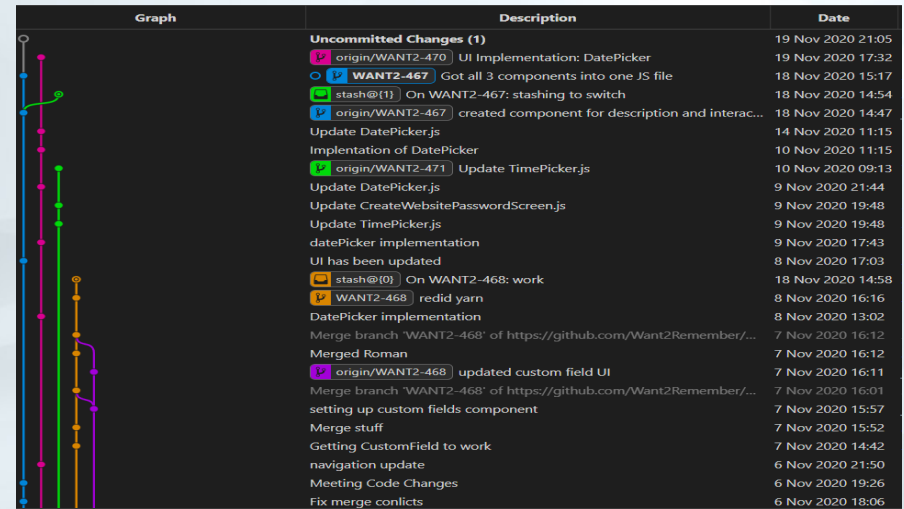- Project Package Management / Yarn
- Hands on Training

Edward Ramirez

GIT Process

- Branch Management

- Master branch
  - Develop
    - Features Branch
      - UI redesign branch
        - Components

Graph	Description	Date
	Uncommitted Changes (1)	19 Nov 2020 21:05
origin/WANT2-470	UI Implementation: DatePicker	19 Nov 2020 17:32
WANT2-467	Got all 3 components into one JS file	18 Nov 2020 15:17
stash@{1}	On WANT2-467: stashing to switch	18 Nov 2020 14:54
origin/WANT2-467	created component for description and interac...	18 Nov 2020 14:47
	Update DatePicker.js	14 Nov 2020 11:15
	Implentation of DatePicker	10 Nov 2020 11:15
origin/WANT2-471	Update TimePicker.js	10 Nov 2020 09:13
	Update DatePicker.js	9 Nov 2020 21:44
	Update CreateWebsitePasswordScreen.js	9 Nov 2020 19:48
	Update TimePicker.js	9 Nov 2020 19:48
	datePicker implementation	9 Nov 2020 17:43
	UI has been updated	8 Nov 2020 17:03
stash@{0}	On WANT2-468: work	18 Nov 2020 14:58
WANT2-468	redid yarn	8 Nov 2020 16:16
	DatePicker implementation	8 Nov 2020 13:02
	Merge branch 'WANT2-468' of https://github.com/Want2Remember/...	7 Nov 2020 16:12
	Merged Roman	7 Nov 2020 16:12
origin/WANT2-468	updated custom field UI	7 Nov 2020 16:11
	Merge branch 'WANT2-468' of https://github.com/Want2Remember/...	7 Nov 2020 16:01
	setting up custom fields component	7 Nov 2020 15:57
	Merge stuff	7 Nov 2020 15:52
	Getting CustomField to work	7 Nov 2020 14:42
	navigation update	6 Nov 2020 21:50
	Meeting Code Changes	6 Nov 2020 19:26
	Fix merge conlicts	6 Nov 2020 18:06

Legend	
🔵	Want2-467
🔴	Want2-470
🟢	Want2-471
🟠	Want2-468
🟣	Want2-468

Jesus Osuna
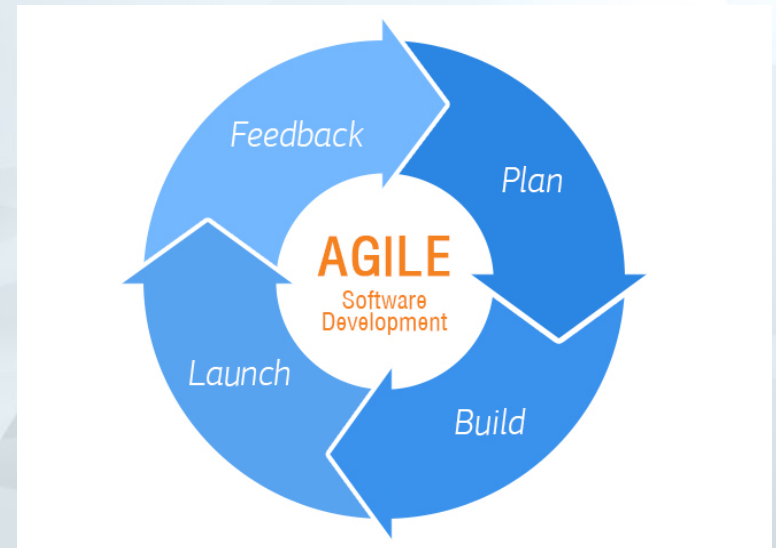
- Agile
  - Iterative development
  - Work on small workpiece rather than a whole chunk
  - Sprint planning (2 Week Sprints)
  - Sprint review
  - Visualize the development process
    - To-do
    - In-progress
    - Done
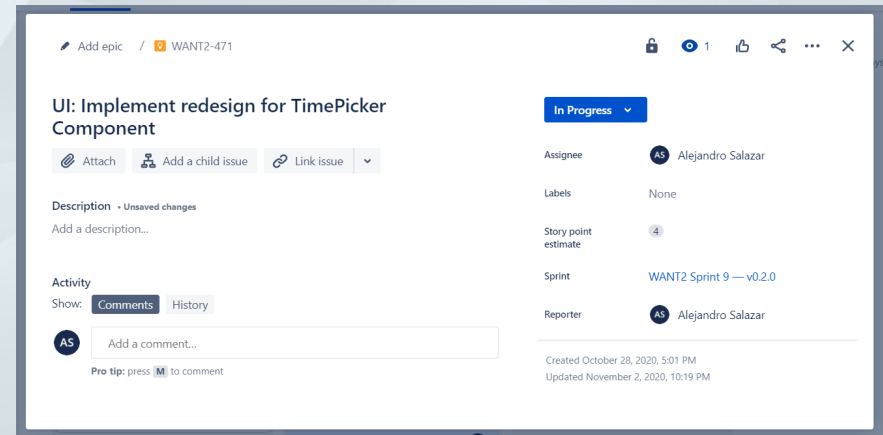

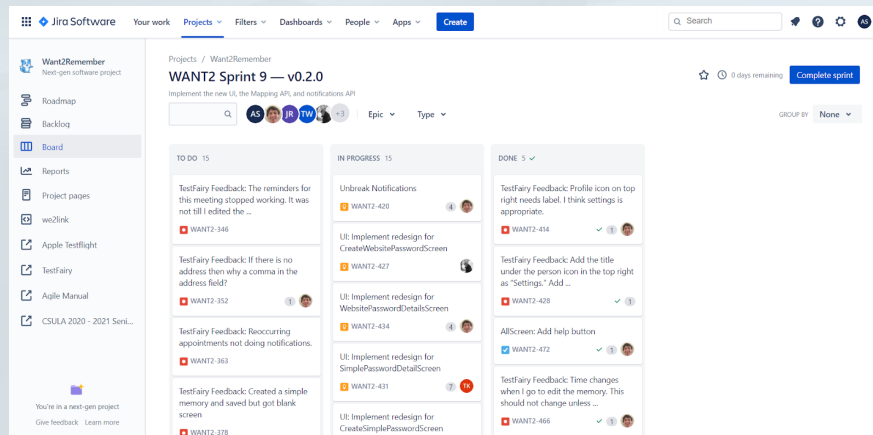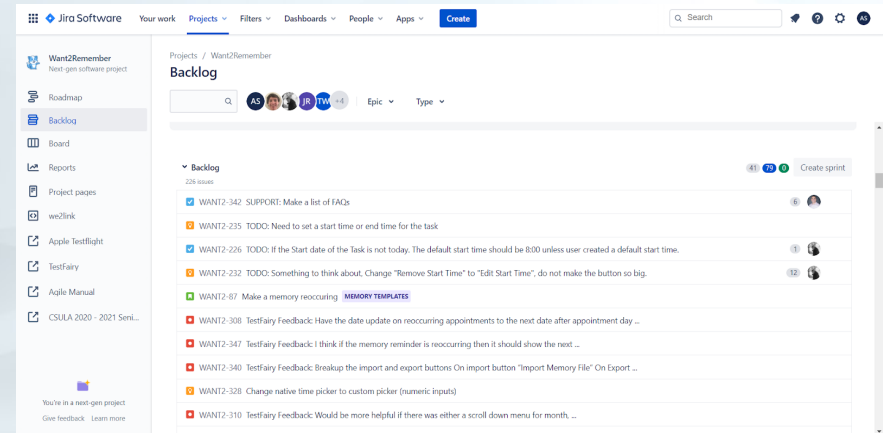Tanya Kitchaiskulrit

We2Link Agile Process

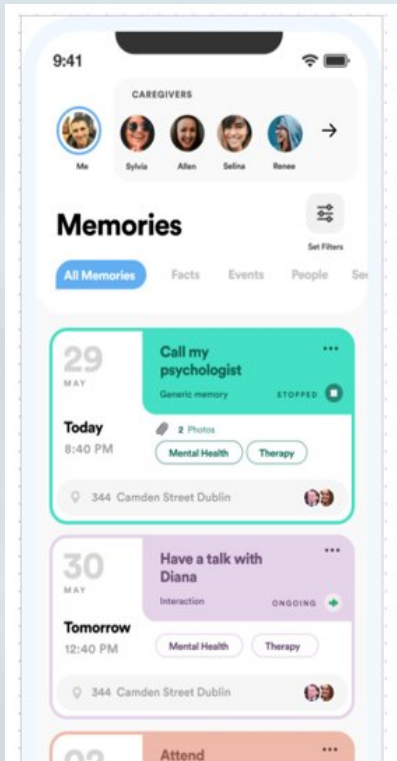2 of 2

- Confluence
  - Store Documentation
  - Collaboration
- Jira
  - Keep track of work
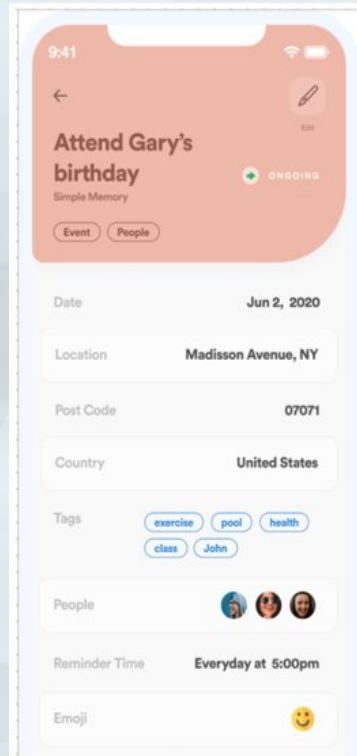 - Backlog
  - Sprints
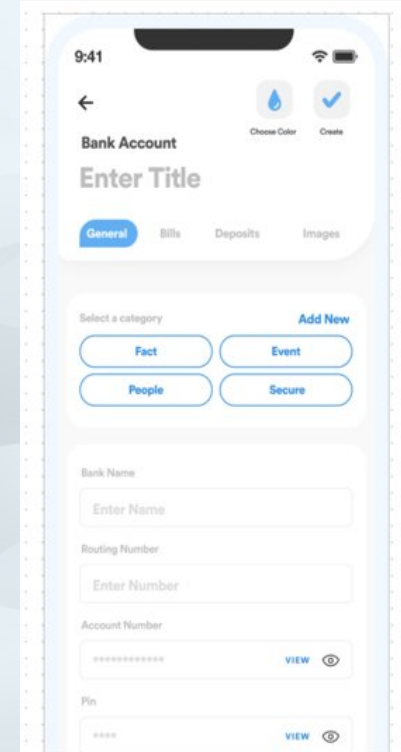 - Story points (Time estimate)

Alejandro Salazar

Create, Detail, & Quick Look Screens

Quick Look Screen

Details Screen

Create Screen

Thomas Weatherell

Custom Components

- React Native is all about achieving **reusability** through the use of **components**

- The example screen on the right is made up of components:
  - Header
  - Category picker
  - Date picker
  - Text input fields
  - Emoji picker
  - Etc...

- Built-in vs. Custom components
  - The team has built 15 custom components
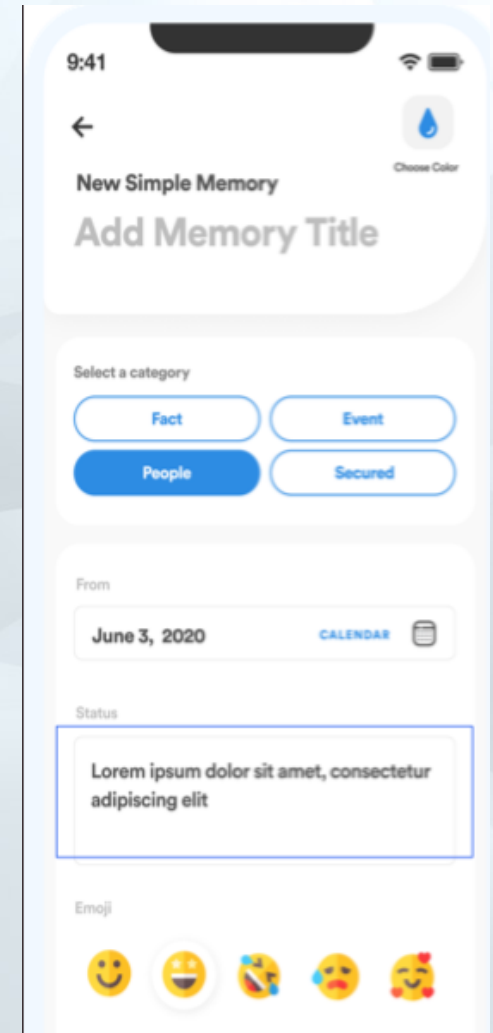
Thomas Weatherell

Custom Components

Custom Component: Detail.js

- TagsDetail
- PeopleDetail
- Etc.

Used in "More Details" Screens

An example of a Create screen -->

Thomas Weatherell

Beta Testing Distribution

- Test Flight for iOS

- Test Fairy for Android

- Manually update to newest versions

- Invite Beta Testers by email

- View user feedback

Test Fairy

Test Flight App

TIME	APP	OS	BUILD	USER ID	REPORTED BY	FEEDBACK	ISSUE
2020-11-24 08:57:35	Want 2 Remember	Android	0.1.14 (81)	User-Iwn79QbCMV5b4zFCwX7U		Need to have text input boxes resize	WANT2-483
2020-11-20 16:31:04	Want 2 Remember	Android	0.1.14 (81)	User-esFUv5MCNYtN4ady3jRQ		Why can i not edit tags?	WANT2-481
2020-11-20 16:31:04	Want 2 Remember	Android	0.1.14 (81)	User-esFUv5MCNYtN4ady3jRQ		I misspelled contact name and edited it. Then tried to sych again but it did not update with new spelling.	WANT2-482
2020-11-04 19:49:11	Want 2 Remember	iOS	0.1.13 (78)	User-18E43DBE66C143D6A843	sjconaway48@gmail.com	Test feedback	WANT2-476
2020-10-26 10:57:33	Want 2 Remember	Android	0.1.13 (78)	User-nWUQR56kYwlMRDXGDEdR		Time changes when I go to edit the memory. This should not change unless I choose it to change.	WANT2-466
2020-10-18 16:10:10	Want 2 Remember	Android	0.1.13 (78)	null		Did not synch with contact. Thought this was solved.	WANT2-464
2020-10-18 16:10:10	Want 2 Remember	Android	0.1.13 (78)	null		Cannot add from memory	WANT2-465
2020-10-16 06:41:27	Want 2 Remember	Android	0.1.13 (78)	User-TM7YhuJXReQ6sUksDxGQ		Are we adding emoji soon?	WANT2-463
2020-10-13 09:13:17	Want 2 Remember	Android	0.1.13 (78)	User-brucuvMOUOm9xkMTDqfN		When are we going to fix the label for Tags?	WANT2-462

Showing: All Apps ∨ All Versions ∨ All Time ∨ 118 Feedbacks 1,204 Affected Users

Jesus Roman

Demo

Tanya Kitchaiskulrit

Future Work

Kevin Benavente

Questions?

Kevin Benavente

Living with Traumatic Brain Injury

COL Ret. Malone

- We2Link President/CEO/Founder, Colonel (retired) Michael C. Malone, suffered a mild Traumatic Brain Injury (TBI) in 2012 as the result of a US Army Airborne Jump landing. This first injury did not significantly impact his life.

- His next injury occurred after his last Middle-East combat deployment and he has been undergoing treatment at Walter Reed National Military Medical Center (WRNMMC) since July 2016.

- The last injury caused a decline in cognitive functions and a variety of other related challenges. Colonel (COL Ret.) Malone has discussed the challenges of living with TBI with dozens of other patients and their caregivers while they received care at WRNMMC.

- Based upon these discussions and his personal experiences that impact his daily life, COL (Ret.) Malone developed a deep and personal understanding of the problem