

## Senior Design Weekly Status Report; Fall 2022

Team Name: sdmay23-09

Team Members:

- 1) Shayla Lunn
- 2) Erica Hollander
- 3) David Bone
- 4) Hanan Zahid
- 5) Kaili Lawson
- 6) Lakin Jenkins

Report Period: Nov 10th - Nov 17th

### Summary of Progress in this Period

- Erica
- Shayla
  - Fixed issue with PuTTY and TriMark code
  - Working on receiving from UART 4 in the TriMark code
  - Troubleshooting error with IFS2 (error flag for UART 4)
- David
  - Fixed issue with PuTTY and TriMark code
  - Working on receiving from UART 4 in the TriMark code
  - Procured a power supply to enable working from home
- Hanan
  - Tested connection to device
  - Researched more about bluetooth connection with a device
- Kaili
  - Worked on getting the TriMark UART set up on the Mobile Knowledge code
  - Detected phone distance on Anchor
  - Debugged MK code to figure out initial connection process
- Lakin
  - Researched continuous integration with device when application is closed
  - Tested connection to device
- Entire Team
  - Met with client to update on progress
  - Worked together in Senior Design lab

### Pending Issues

Current Sprint Board

Backlog Pending In Progress

RL-63 190037 Initial Release 5 / 5 0 0 1

BG-652 Master Document In Progress  
shayla kailli david hanan erica lakin  
27 Oct 22 26 Oct 22 4 1

RL-71 MK Anchor/Tag Firmware 12 / 12 1 2 2

BG-640 MK Code Enters UART Handler New  
shayla kailli david  
18 Oct 22 17 Oct 22 4

BG-657 UART Error Handling: Timeout With No ACK/NACK Received Pending  
kailli  
6 Nov 22 30 Oct 22 3

BG-667 Anchor Sends Unlock Confirmation To Phone In Progress  
kailli  
14 Nov 22 14 Nov 22 4

BG-653 SPIKE: Look into how to initially pair a device with a TriMark I/O module Pending  
everyone  
27 Oct 22 27 Oct 22 4

BG-666 Send UART Messages Debug UART and TriMark UART In Progress  
kailli blocked  
13 Nov 22 10 Nov 22 4 2

RL-69 Mobile Phone App 16 / 16 3 2 3

BG-646 Notify when phone is in BLE range New  
9 Nov 22 18 Oct 22 3

BG-648 SPIKE: BLE and UWB pairing Pending  
9 Nov 22 18 Oct 22 3

BG-664 Migrate sample app code to gitlab In Progress  
15 Nov 22 9 Nov 22 3

Backlog Pending In Progress

RL-69 Mobile Phone App 16 / 16 3 2 3

BG-646 Notify when phone is in BLE range New  
9 Nov 22 18 Oct 22 3

BG-648 SPIKE: BLE and UWB pairing Pending  
9 Nov 22 18 Oct 22 3

BG-664 Migrate sample app code to gitlab In Progress  
15 Nov 22 9 Nov 22 3

BG-645 Phone display distance via UWB On Hold  
18 Oct 22 18 Oct 22 1

BG-665 Physical Test Sample Application code Pending  
9 Nov 22 9 Nov 22 3

BG-621 SPIKE: Look into Swift App Testing In Progress  
hanan erica lakin  
6 Nov 22 28 Sep 22 4

BG-623 Mobile App Clickable Button New  
hanan erica lakin  
28 Sep 22 28 Sep 22 4

BG-656 SPIKE - re-architect mobile app proposal In Progress  
erica  
30 Oct 22 30 Oct 22

RL-70 IO Module Software 7 / 7 1 1 1

BG-642 SPIKE: Look into how digital key will be stored New  
shayla kailli david  
17 Oct 22 17 Oct 22 4

BG-668 Send Unlock/Lock Confirmation UARTs Pending  
shayla david  
14 Nov 22 14 Nov 22 4

BG-641 TriMark Code Receives From UART 4 In Progress  
shayla david  
14 Nov 22 17 Oct 22 4 3

## Plans for Upcoming Reporting Period

- Get UARTs sending to and from Mobile Knowledge code
- Communication between iPhone and Anchor