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: Oct 15th - Oct 21th

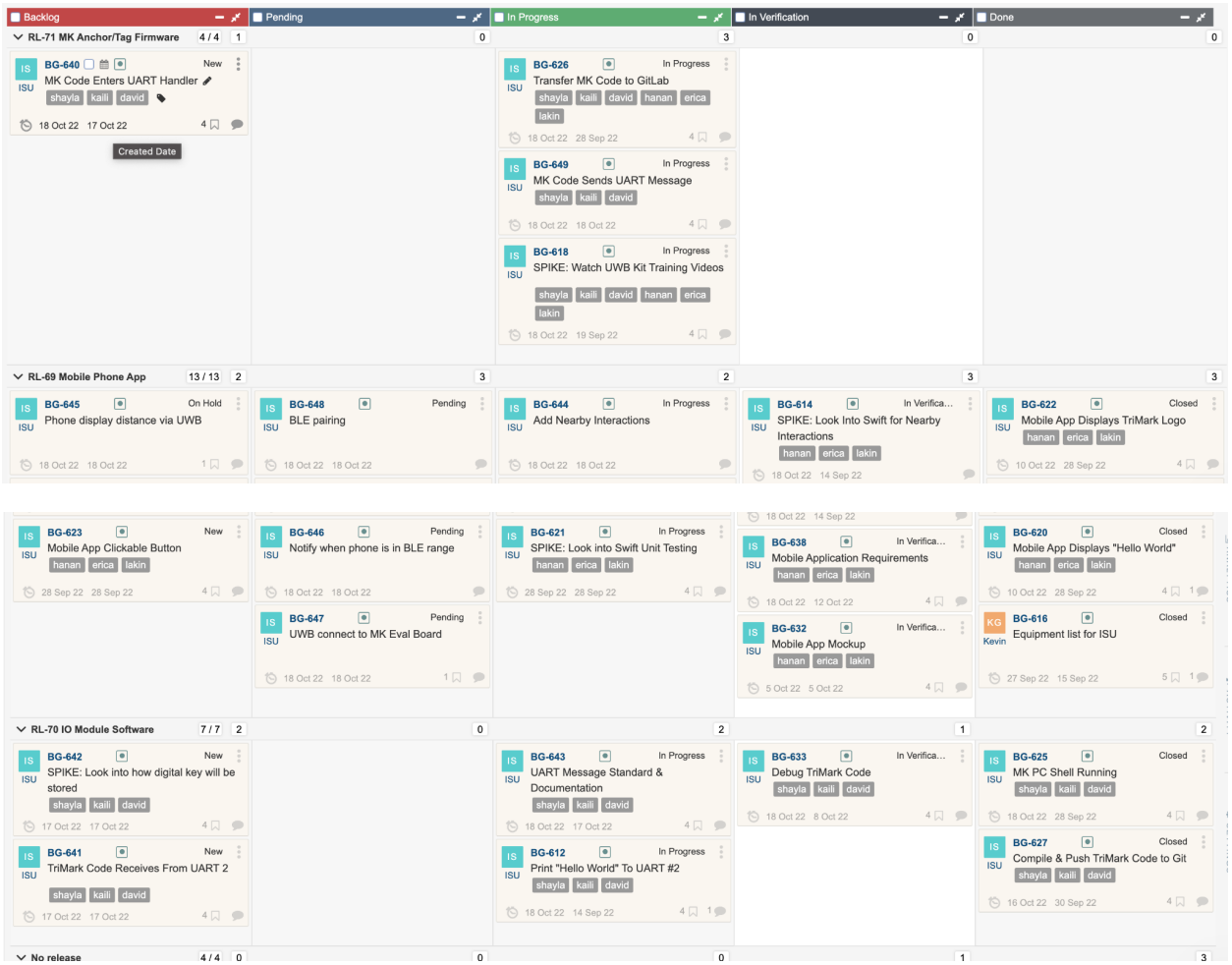
Summary of Progress in this Period

- Erica
  - Did some more research with nearby interactions
  - Looked into the application with nearby interactions set up
  - Write more story cards regarding front end and app dev based on client's feedback
- Shayla
  - Continued to watch mobile knowledge videos
  - Ran the Mobile Knowledge PC Shell and did experiments on the accuracy and ranging of the UWB tags
  - Worked on getting the TriMark code to compile
  - Formulated plan on how to begin working on UART messages for TriMark/UWB module code
- David
  - Ran the Mobile Knowledge PC Shell and did experiments on the accuracy and ranging of the UWB tags
  - Compiled the TriMark code base
  - Continued to look through Code TriMark Code base
  - Met with client separately to learn more about how to split up embedded code to maximize efficiency.
- Hanan
  - Demonstrated how to use Xcode to client
  - Researched nearby interaction api some more and looked at example code to communicate with UWB Module
  - Tried connecting demo phone application to UWB Module to get ranging info
- Kaili
  - Ran the Mobile Knowledge PC Shell and did experiments on the accuracy and ranging of the UWB tags
  - Compiled and debugged the TriMark code

    - Formulated plan on how to begin working on UART messages for TriMark/UWB module code
- Lakin
    - Fixed figma to be more of what the client wants for the application
    - Watched tutorials and began a simple application in swift
- Entire Team
    - Established more concrete requirements for application
    - Gave various demos on progress to TriMark
    - Gave lightning talk

Pending Issues

Current Sprint Board



Plans for Upcoming Reporting Period

- Work on TriMark code in order to send and receive UART messages
- Come up with UART standard for our application

- Work on Mobile Knowledge code in order to send and receive UART messages