

Group 5

MEETING AGENDA

Meeting Time: 5:00 PM	Location: AQ 5029, SFU	Date: 13/08/2019
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Meeting called by	Jerry
Kind of Meeting	Kind of depressed meeting
Facilitator	Jerry
Note Taker	Jeff
Time Management	Jerry
Attendees:	Keith, Scott, Ryne, Jeffery, Jerry

Topics

Time	Discussion Topic	Presenter	Deadline
5:00 PM	Hardware	All	
6:00 PM	Software	All	

Notes:

MEETING MINUTES

1. Hardware/firm

- a. **DWM1000 debug (keith/jerry)**
- b. <https://gitlab.com/dave851221/smart-tracker-dwm1000/blob/master/Arduino/RangingTag/RangingTag.ino>
- c. ESP wifi udp
- d. Battery order (jeffery)

2. Software

- a. Database
 - i. Postgres
 - ii. Diesel wrapper
 - iii. ****Tokio Postgres****
- b. Access Point
 - i. AP + DHCP Server
 - ii. Server IP = Default Gateway
 - iii. Ap always on
 - iv. No internet access
 - v. Beacons always on
- c. **UDP listener/sender**
 - i. **Host bind to beacon ip (from lease)**
 - ii. **Send start/end command**
 - iii. **Bind to Host IP, Port 6969**
 - iv. **Data: |Beacon_ID|TAG_ID|range|**
- d. **CRUD**
 - i. **Map**
 - ii. **User**
 - iii. **Beacon**
- e. GUI
 - i. Main page :8080
 1. First responder (big red button)
 2. Admin -> login page
 - ii. Login page
 - iii. Map view
 - iv. List of beacon/id tags
 - v. Configuration (Add/remove)
 1. Add beacons location by inserting coordinate input on map config view
 2. AP config (SSID/password/interface)
- f. Data structs
 - i. Session
 - ii. User (ID tags)
 - iii. Beacon
 - iv. Maps

Kommentar [1]: P2

Kommentar [2]: P1

Kommentar [3]: P2

Action Items	Person Responsible	Deadline
Buy wifi dongle	scott	
Battery order	Jeff	