2021-03-17 Client meeting with Brian McDermott

Meeting recording :

https://drive.google.com/file/d/1l6_Xv_DRG_LuYzntMOYGfomKuDpZ_on3/view

Date

2021-3-17

Time : 11:00 am - 11:30 pm

Attendees

- Brian McDermott, Dipti H, Jihao Deng, Qiqi Hu, Yutong Li, Wu Yuxiang, Yi Gao, Kaixuan Guo, Lei Chen, Sufan Xia

Goals

- Meet with the client
- Elicit requirements for the project

Discussion items

Time	Activity
11:00 am	Start of meeting
11:05 am	Team Koala asked questions to Brian
11:15 am	Team Wombat asked questions to Brian
11:30 am	Meeting end

Questions asked

- [ ] What functionalities do we need to complete in addition to the one mentioned in the requirements?
    - The application should rely on mobile broadband as means of communication, design a power system - battery + solar panels, mechanism to turn radio on and off, and channel to control radio.

- [ ] Who are the end users for the system?
    - Brian himself and the members of his radio club who are elderly people - maximum of 10 users. Admin user would be Brian.

- [ ] Are there any other states for the switch than on and off?
    - A front end security module in addition to on / off

- [ ] To what extent do we need to understand radio or power supply?
    - Develop a concept architecture with the individual modules and your understanding, with diagrams how they would interact with each other

- [ ] Should we develop a prototype?
    - A paper based prototype

- [ ] What are the power levels for the radio station?
    - Radio has output of 100W, power supply will be 12- 13 V DC and radio draws 20 AMP of power, if voltage drops below 12 V it affects the performance reduce the output level from the radio

- [ ] Client's question - what's the next step?
    - We will design the system and have a zoom meeting to discuss

- [ ] What product should be delivered, a website / application?
    - Client open to ideas - web browser based application or remotely login to onsite computer and operate it

- [ ] How to apply the product to radio system and use it to control the radio
    - Client can provide examples of commercial software available

- [ ] What background do we need to have to complete the project?
    - Software knowledge and business understanding