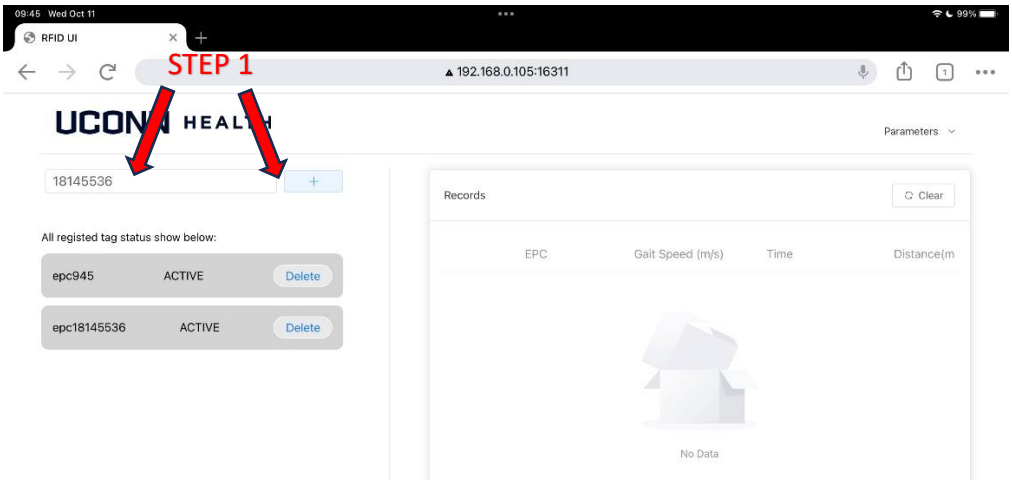
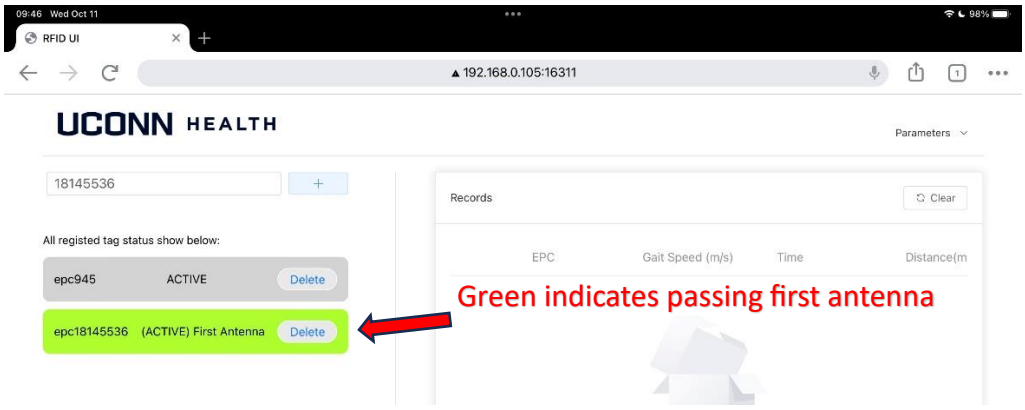
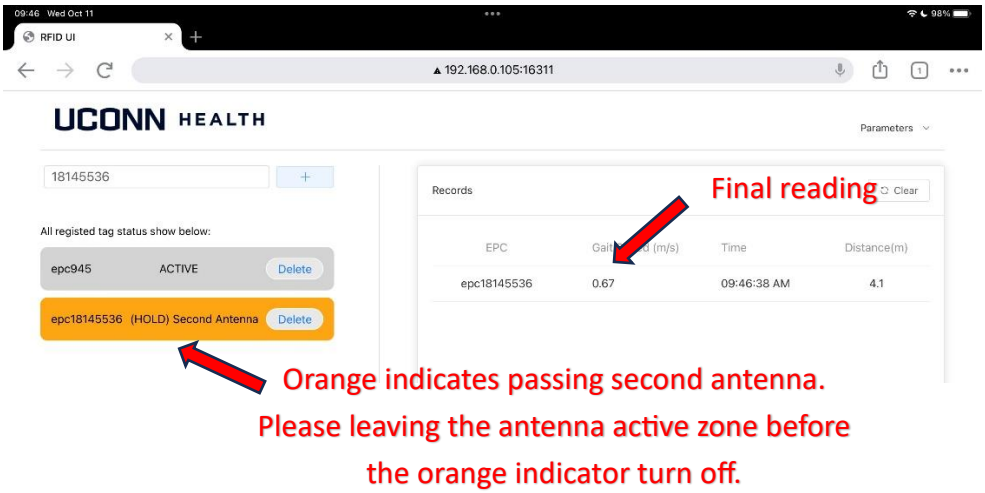
Instruction for operation

Step 1: In the application webpage, input tag number. Then click “+” button. Then, the tag is registered and ready for use. In screen shoot you see below; two tags are being registered.

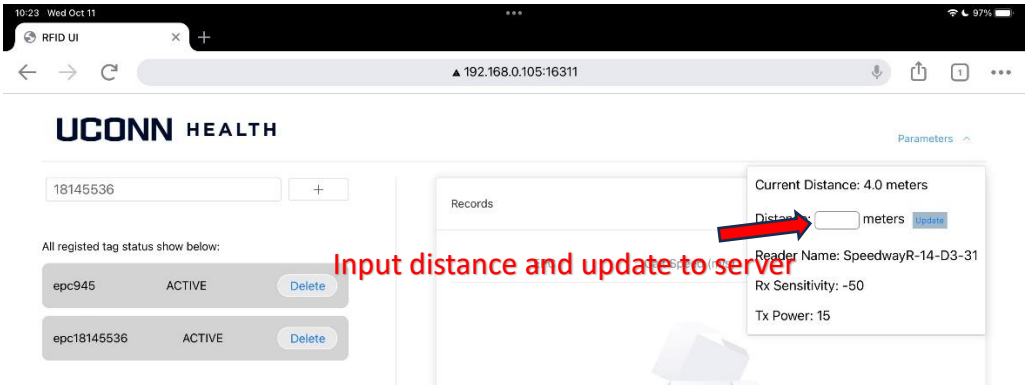


Step 2: Have the participant with a tag enclosed in an armband walk through two antennas, the registered and activated tag will light up according to the participant’s position. The gait speed is shown as soon as the participant approaches the second antenna.





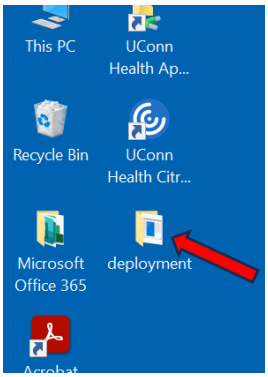
Step Extra: The application allows customized antenna distance. Open the drop-down menu located in upper right corner, input desired distance and click update. After updating, gait speed computation is based on the new entering distance.

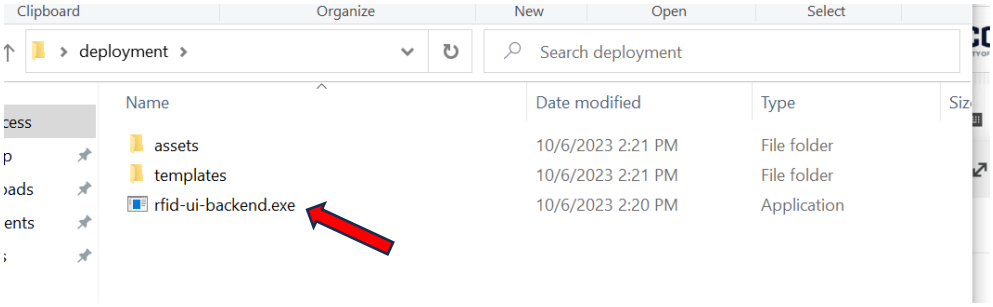


Troubleshooting: initiate the system from scratch

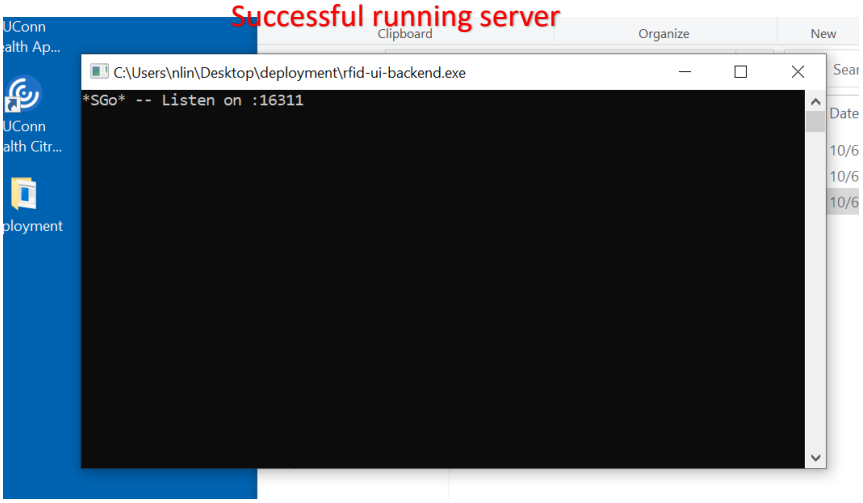
To initiate the system from scratch, there are two parts need to be done: the server part and the tablet part. Make sure all devices are connected to the same Wi-Fi before the initiation. Wifi name: RFIDWiFi, password: uconnhealth2023

Step 1: Run the server executable program. In the PC (server), open the “deployment” folder and double-click “rfid-ui-backend.exe.” A terminal window will pop out after the double-click. Then the server part is done.

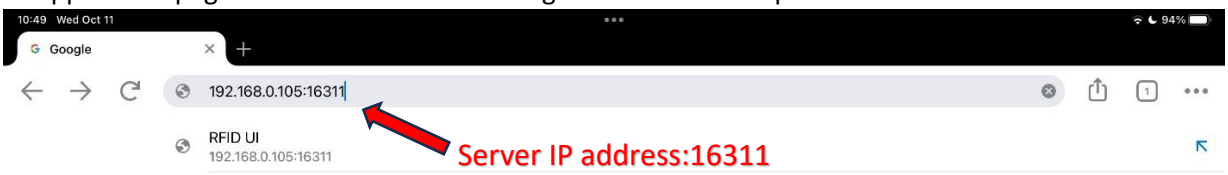




Successful running server

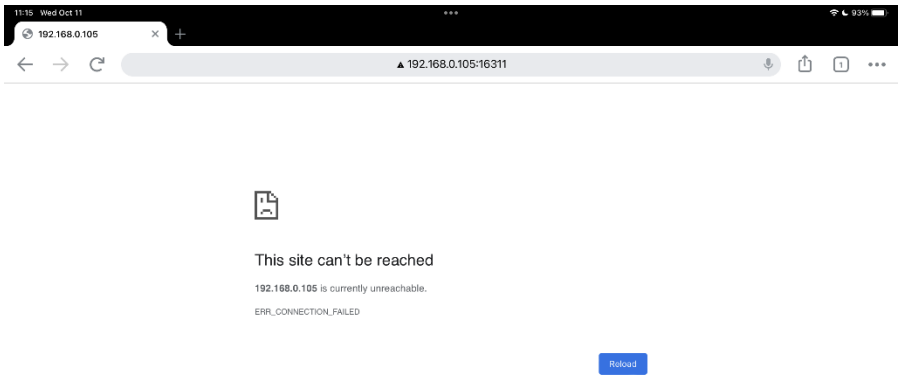


Step 2: Run the application page on the Tablet. On tablet, open a web browser like Chrome. Input "server IP address:16311" in the search bar and hit enter. A successful connection to the server will show the application page with "UCONN HEALTH" logo. Then the tablet part is done.



Troubleshooting: This Site can't be reached

If the tablet webpage shows the same as the screenshot below, it means that the server is not running. Please run the executable program on the PC (server).



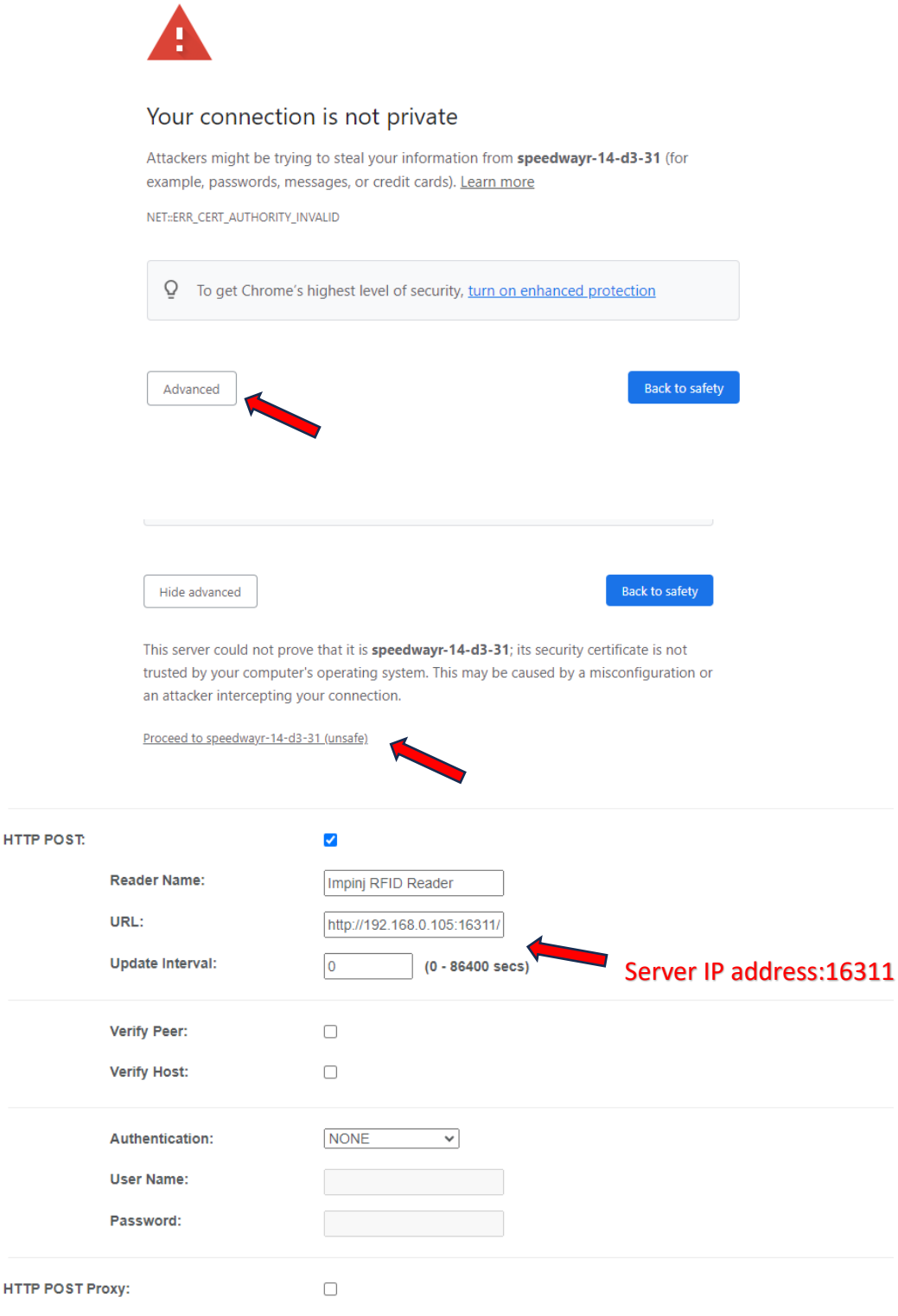
Troubleshooting: FRID reader configurations to match server IP address.

In case all the steps mentioned above have been done but still not able to run the system. There is one last set-up that needs to be checked.

Step 1: On PC, open a web browser like Chrome, and enter https://speedwayr-14-d3-31/#/configure. You will see a warning sign, which is fine. Click "Advanced", next click" Proceed to speedway-14-d3-31 (unsafe)", then enter username and password.

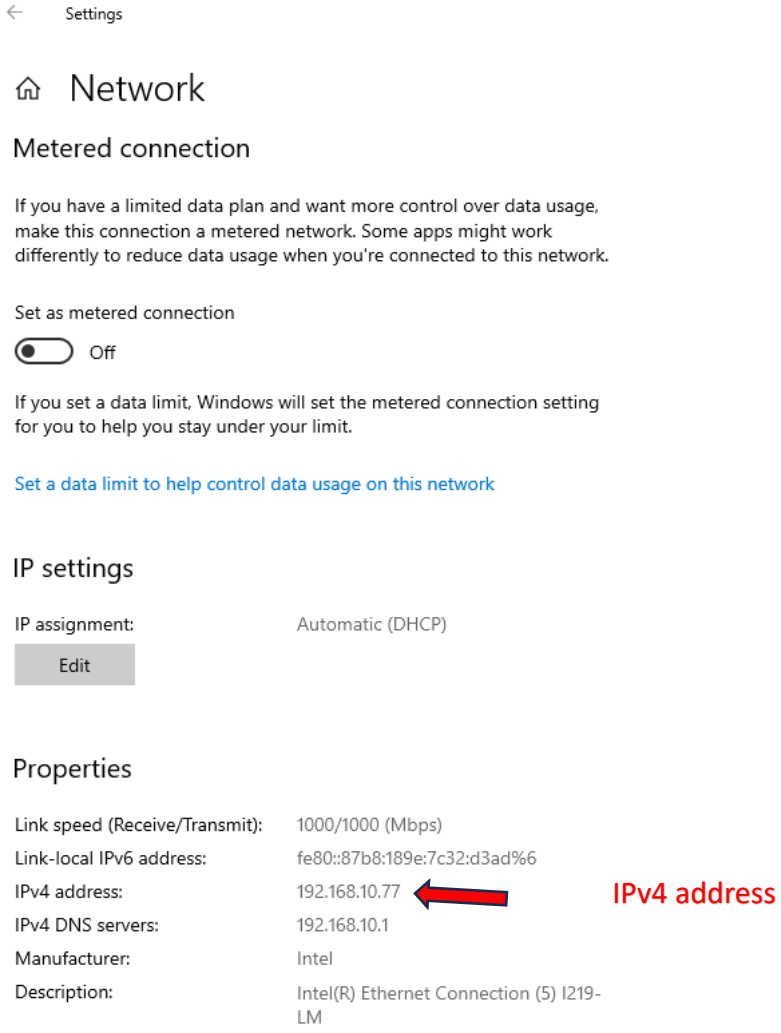
username: root
password: impinj

In the reader configuration webpage. Scroll down and find “HTTP POST” category. Make sure the IP address is matching the server’s IP address. The other content should remain the same. If there is any modification on the webpage, click Apply after the modification.



Troubleshooting: How to find the server's IP address.

Please check out link https://support.microsoft.com/en-us/windows/find-your-ip-address-in-windows-f21a9bbc-c582-55cd-35e0-73431160a1b9#Category=Windows_10 to find IPv4 address for the server. An example IPv4 address is shown and indicated in red in the screenshot below:



If all troubleshooting steps are not able to resolve the problem, please contact the tech lead, Dr. Han, at song.han@uconn.edu