

So in this demo i'm going to test the notification sending capabilities of my web application where my program is able to send a notification .. to email to the user whenever a error occurs to demonstrate this. I'm going to start the demo i'm going to start by listening on my base station.

And now that my base station is listening i'm going to send the data from the xb which is connected to the microcontroller whose health whose health data i care about and as such is going to transmit its health data.

All right so what's going to happen now is data is going to come in and it's going to propagate on this .. so as it's received it's going to write here and .. it's going to update the graphic and as such it should also update the graphic here which you will see in a second.

So just waiting for this webpage refresh and it did and you see there it's updated to the most updated form okay perfect so i'm going to inject the .. error is i'm going to use the config file that i have in my .. .. xb .. sorry in my program in essence .. i've used a config file on my raspberry pi to .. send an error or an okay if certain x a y .. or z .. angular velocity thresholds are met and so what i'm gonna do is i'm gonna edit this and i'm not gonna stop the program my program's gonna keep running i'm going to edit this config threshold value here the x value as such that now instead of a instead of ok it sends an error so i pull it up on my raspberry pi as you see up here right and so it's going to change this value perfect.

Got it and now let's see if that changed anything okay now that sent an error as soon as i sent an error i actually got a notification right time is 2 39 i got a notification say error encounter .. and again i'm going to send error one more time i'm just gonna wait for the email to refresh and you'll see that it's come to two now .. and as such you know it's .. it printed out .. it printed out the errors so as you see here.

So as error error comes in the air .. not only updates on my website but i get a email every time air is encountered so this shows the message sending capabilities and what i've actually done .. is i have used amazon sns to send an error whenever this is a counter so you see here it tells me the .. message the time .. of the message the ambulance id .. and exactly what time it occurred so it's telling me right now that it's ambulance a occurred at this time and this was the error so that in essence .. shows the .. error handling and message sending capabilities now i'm also just going to demonstrate how you know if i wanted to fix this .. i would just open up my config file .. and put it back to and the program is still running .. put it back to a negative and so that should fix it and so now that everything is done you can see that okay is populating here right.

So okay comes in here and waiting for this to update but another okay should be here as well i'm just going to open up my sage so success okay and so as okay is come in it's going to right up here and then it's going to update that just waiting for this website to update.

And you can see that the website updated and as such i have not received any emails. The last one i received was at .. 240 240 it's 241 right now .. and yeah as i keep getting okays i should be fine and if i encounter errors i'll get .. i'll get notifications that hey .. an error card.

And so .. i just want to quickly show this so in my code .. i want to show this earlier but i couldn't in my code what i do is i send an email notification so what you see on on what i showed earlier here is actually the email notification .. that gets sent here and as such i pass it the message the time and the ambulance id .. and the subject is error counter which you see there now i'll actually do send it to my cell phone as well .. though i can't demonstrate that i can't stream my cell phone's .. screen but yeah i am receiving messages .. on my cell as well that tell me exactly the same format .. message time and end bonus id so this is in my code i just wanted to show that i'm using dws sms to set this up.