# Project Diary:

***29/07/2021:***

Forgot to make entries into my project diary for the summer. This will be my first entry. Today I worked on the login feature on my web app and added some validation code. Right now I am able to login with validation checks, which changes the options on the navbar providing the user with a logout button. The logout button now works. Still quite a bit of work to do to get it fully working though.

***30/07/21:***

Today I worked on a feature that added a badge to the patients tab on the navbar that indicated to the user how many patients were there. I managed to get this working but there are a few changes that I will have to make to make it do exactly what I’d like, but I feel like I have the heavy lifting done in regards to that feature. I hope to continue working on the webapp for the next week or so before linking it with the Arduino code that I have working with my oximeter.

***31/07/21:***

Today I worked more on the badge that indicates to the user how many patients are in the system. I got it working as it should now and I am happy with the result. I also worked more on the login feature and made some progress albeit not as much as I would like as I was busy today. I will put in a longer day tomorrow and try to get a big portion of the web app done.

***02/08/2021:***

I forgot to log my diary yesterday. Both today and yesterday I worked on the routes on my webpage making sure every page was being rendered and that the links were working correctly. I feel like the page is really coming along nicely now as there is a real flow to it. I was having an issue adding photos locally to the page which was time consuming but then I found a way to do it by linking to google drive and that seems to work great. I am currently working on the information page and expect to get that done tomorrow.

***03/08/21:***

Didn’t get to as much today as I would have liked. But managed to create a logo using adobe spark and personally I think it looks good in the project. Apart from that I worked on my information page some more but have not completed it. This should definitely be done tomorrow.

***05/08/21:***

Yesterday I felt a bit ill, so I didn’t get much work done. I finished my information page, and I am quite happy with that. Today, I created a ‘Create a Patient’ page where the user can create a new patient themselves within the webapp I was really happy to get this working as I thought it could take longer.

***08/08/21:***

Today I worked on the profile page. This page is accessed through my patients page by pressing the ‘view patients details’ on a particular patient. This brings up a page where that patients details are. I did this by using the findById method and it worked really well. I also added a graph where I hope to enter the patients oxygen levels.

***09/08/21:***

Today I worked on getting my automated email feature working. I implemented ‘nodemailer’ which I have gotten to work with no issue. I have also gotten to send emails to specified patients in the profile page which I am very pleased with. For now I am using a button to send the email but this may change in the future. Tomorrow I am going to look into getting my esp-32 to publish the readings from the oximeter on AWS.

***10/08/21:***

Today, I added wifi capability to my esp32 code. I then set about looking into setting up my AWS. I followed Brian o’Shea’s instructions and managed to get my project hosted on AWS. I originally planned to get the esp32 code working with AWS today but Brian’s instructions covered hosting the webpage up there first so I decided to do that. Very happy I was able to do it. Tomorrow I will look into publishing the sensor values.