Daily Reflections - Mikkie

30 May 2022

Got assignment.  
Set up Trello and GitHub pages.  
Trying to figure out what application we should make from the choices given.  
We each voted 3 times on which application we wanted to make on Trello, with the winners being option 2 and option 5. After running these through a randomizer counter looping 3 times that Sese made we came out with the winner being option 5 – School Lunch.

31 May 2022

We found out that many of the class are doing option 5 so we are running all the options in the randomizer counter looping 100 times and came out with the winning option being a draw between option 1 and option 3. After running these through another randomizer counter we have a final application of **Option 1 – NZ Blood Bank System** including donors & recipients like blood banks, hospital, validations, booking appointments for donating, health status, etc.  
We started to organise who was doing what for the research and planned to try get most of the research done by Sunday 5th June.

1 June 2022

I did some general research on designing a good-looking program in C++ console, including looking at how to do colours using system(“COLOR attr”), and borders using ASCii symbols. I found a PDF of all the ASCii codes to help with our design choices.  
I also had a little look into blood donation and what it entails, finding out that there are 4 different things that can be donated: blood, plasma, platelets, and bone marrow.

2 June 2022

Sese had a good idea to use a basic quiz format to check whether a potential donor is healthy and fit enough to be able to book an appointment.   
Meeting with Pia was delayed until tomorrow, so it can be in person as I am not in class today (sick).

3 June 2022

Had a meeting with Pia. We all went over what was planned and double checked that we all are happy with the information and plans we are working with.

6 June 2022

We went over what had been collected in our research so far.  
 The Diagrams (Use Case, Structure) Sese had made were mostly finished, I suggested a little neatening up and help with some clarification.  
The SWOT, and user and business research Delear had done was also pretty much finished, we all talked and clarified some points. We also had a couple questions we wanted to follow up with Pia tomorrow.

7 June 2022

We clarified what we needed with Pia. I noted down some eligibility questions to include. We went over all our research and made some finishing touches.

8 June 2022

We decided who was going to work on what part of the system, Delear is handling the appointment booking, cancelling and the eligibility test; Sese is doing the base design and layout, and the registration form, and stock management; I am doing the users, permissions and login.  
I managed to get logging in with usernames and passwords that are stored in a .txt file, I can then direct the user depending on the permission level they have, 0 – Admin Level, 1 – Hospital Level, 2 – Donor Level. There is a max of 3 failed attempts to login before the user has to exit the program to try login again. I also have the beginnings of a User struct to hold all the users information, this is contained in a vector to control the size of the container (Vector of Structs).