**Workbook for Marvin Cazeau**

**October 26, 2021 Tuesday**

Our group worked on and updated the SRS and SDS documents for our 2nd sprint. During Tuesday’s class we discussed what needed to be done for our final sprint. We decided to make our own work instead of getting the previous groups project to work on our systems and we decided our alternate machine learning AI would be KNN.

**October 28, 2021 Thursday**

Our group had a meeting after presentations and we discussed what needed to be accomplished by next Thursday. I asked Jared to work with him on the code and he helped me get started on that. I installed all the necessary python modules for this project.

**November 3, 2021 Wednesday**

Installed Spyder IDE for python

**November 4, 2021 Thursday**

Our group spoke with Dr. Cheng, and she gave us feedback on our sprint 2 presentation. We did not showcase the changes we made efficiently, and we needed to go more in-depth about our project details. We also need to see how we can describe how our project works in a less confusing manner. Big emphasis on making clear changes from this sprint to the next sprint is an important goal. Spoke with Jared privately on progress of code and bounced ideas off of each other

**November 8, 2021 Monday**

Went into the IEEE lab to get coding assistance for my section of the code which was to build a sorter file that selected a patient, found faces similar to that patient and create a folder putting all those faces together to have a similar face database for each patient that we had. Clarified things with Jared and ran into a python issue. Errno 13. Permissions denied

**November 9, 2021 Tuesday**

2nd day in the IEEE lab. Clarified things with Jared and ran into a python issue. Error 13. Permissions denied

**November 11, 2021 Thursday**

We talked about the faces that Alex got. The jpg for each face was jumbled and unusable for CNN algorithm in our project. We needed to find another way to get the specific format. In our weekly group meeting, Alex was able to get some faces for the database however, they were unusable. This was a minor setback that we had to acknowledge so she had to find an alternative path.

**November 16, 2021 Tuesday**

Communicated with Jared once again about progress of the code. Error 13 was still occurring even after multiple debugs attempted

**November 17, 2021 Wednesday**

Tried another bugfix and that didn’t work. Resources only stated it could’ve been a Windows OS bug therefore unfixable

**November 18, 2021 Thursday**

Jared was able to fix the Error 13, the wrong command was being used.

**November 20, 2021 Saturday**

Progressing on my code, ran into a fileexception error because our code was calling for files that did not exist

**November 22, 2021 Monday**

Used a try catch block and that fixed the error

**November 23, 2021 Tuesday**

Worked with Jared in class to finish the section of the code that completes the sorting. Me and jared discussed with Dr. Akbas project progression and what our end-goals were which was a basic implementation of the CNN and KNN algorithm

**Holiday Break**

Was unable to work on the code over break for personal reasons

**November 30, 2021**

Our group worked on and updated the SRS and SDS documents for our 3rd sprint. Alex used facial capturing software to manually retrieve 100 faces from students in the SU to increase our database. Alex also used her money to convert into the format we needed for the database. Maree was also contributing towards building the database as well and doing necessary work.