January 18, 2022

Today we met as a team to talk about our future plans in regard to the project for the semester. Dr. Akbas wants us to focus on the ML algorithm again, but this time

- Main requirements:
    - We need to use the landmarks (those numbers) to compare the faces – (Might work if we have time)
    - Train neural network to find the landmarks on the 3d face for us
        - Set of generic marks on the faces in dataset
        - Neural network should have a training dataset, test, and validation dataset
        - Face recognition software?
        - Research on facial recognitional software and how they work?!
    - Sentatic images from Digitized Rhinoplasty?

January 25, 2022

Today we as a team we logged on and worked on the product vision and backlog. We had a bit of a learning curve when it came to ZenHub.

- We need to start seriously looking at MLs
    - 3D github resources
    - Thisimageisnotreal.com, GANs, GANFit?
    - Starting with ML algorithm and then building off it?
    - Akbas said do we want to compare faces using landmark ratios or do we want to go 3D landmarking ourselves
    - Look for academic journals

January 28, 2022

- Create cluster of the faces that is like each other using KNN
    - Show it to Akbas, as he wants to see it
- Check synthetic face, if we can mark the landmark on it or not on the digitized website
- If we can mark the landmark, include the synthetic faces
- Is there a tool to manipulate faces to create more database?
- XYZ points for 3D?
- Focus on landmarks for 3D faces!
- GANZ – Akbas talked about github
- Bigger database??
    - Better accuracy

February 1, 2022

- I was absent I believe?

February 3, 2022

Today we banded together to work on SRS and SDS.

February 8, 2022

Presented to the class our first sprint

February 10, 2022

As a group, we discussed sprint 2 and how we would proceed with creating faces.

February 15, 2022

I started creating faces through FaceGen and uploading them to our Google Drive

February 17, 2022

I created more faces for our database and as a team we discussed the clustering side as well as the digitized rhinoplasty facial points

February 22, 2022

Finalized ideas that we were having in regards to who does what

February 24, 2022

As a team, we worked on the Test Plan together.

March 1, 2022

We started on the SDS and SRS

March 3, 2022

We finished working on the SRS and SDS and started talking about what we would do in regard to our presentation the next week.

March 8, 2022

The team worked on creating our presentation for the sprint.

March 10, 2022

We presented our sprint 2 presentation and talked about what we would do in sprint 3.