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