Priscilla Carbo

Professor Akbas, Dr. Cheng

SE450 – 01DB

December 3rd, 2021

Option 9: Engineering Log

* October 26th, 2021
  + Group meeting to discuss future deliverables
  + Discussed with team potential machine learning models and algorithms that could potentially be implemented into digitized rhinoplasty system
  + Jarod initially proposed the idea of utilizing the convolutional neural network
  + Team members completed first document drafts and deliverables including SRS and SDD
* October 28th, 2021
  + Completed sprint 2 demo
  + Discussed future plans and schedule for the next sprint
* November 2nd, 2021
  + More sprint 2 presentations from the rest of the course
* November 4th, 2021
  + Discussed with Dr. Cheng regarding sprint 2 presentation, comments, and expectations for the final sprint
  + Gave us critiques regarding the way our system was presented
  + Group agreed and understood what to fix for future sprints and presentations
* November 9th, 2021
  + Maree and Jarod spoke to Professor Akbas regarding the deliverables from the previous sprint
  + Discusses concerns and comments regarding the presentation and the system
  + Group discussed future plans and schedule
* November 11th, 2021
  + Talked about images that Alex was able to find
  + Compiling the images for the database presented many challenges
  + Images were unusable for the algorithm to be executable and provide any accurate information
  + Group discussed different methods of obtaining images for the models that would be the most optimal
* November 16th, 2021
  + Group was not able to discuss with Dr. Akbas
  + Discussed virtually regarding the current standing of the system
  + Discussed the importance of the database and images that were required
* November 18th, 2021
  + Met with Dr. Akbas and spoke regarding the challenges and difficulties obtaining the right images were for the system
  + Dr. Akbas provided suggestions and a recommended database from Microsoft of faces that could potentially work for our project
  + These images were initially unusable for our project as they were in the wrong format; Team agreed to use these images to format them in the way we needed for our models
* November 23rd, 2021
  + Group discussed regarding the current updates regarding database and images
  + Many team members agreed that the current method of unwrapping all of the images could be too time consuming and complicated to produce viable results
* November 25th, 2021
  + Group did not meet for the holiday
* November 30th, 2021
  + Team members in the group worked on compiling all the images in the database
  + Other team members worked on the program to ensure the models were completed
  + Other team members worked on the documentation and modeling of the system to ensure the drafts for the system were completed for the final deliverables and presentation
* December 2nd, 2021
  + Final presentations for some of the groups
  + Some team members continued work on completing the compilation on all the images required