Shalin Shah

Professor Shoarinejad

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Week 2 Lab Report

1. What did you plan to do last week?
   1. Do tutorial 2
   2. Start figuring out the workflow and how task delegation is going to look
2. What did you end up doing last week?
   1. Completed most of tutorial 2
   2. Met with team to figure out workflow – we’re going to break things up into tickets
   3. Finished project proposal draft that was due last Friday
   4. Started programming and made some good progress
      1. We now have the image recognition for the outline of user’s shapes (done by Wesley) and I built upon that
      2. Taking past images and comparing them to current images and seeing how different poses lead to different outlines and outputs
      3. Used that data to run “distance” calculations to see how far two individual pictures are
      4. Thought of new ideas on how to proceed with project – will share with team tomorrow
         1. Threshold for +/- for how far in Euclidian distance the user can be from a baseline picture
         2. Working from an initial calibration – will be able to know how far the user is from that initial calibration point and will be able to show that at all times
      5. Thoughts of new questions about how we can make this work moving forward
         1. How do we increase frame rate? (right now, it’s looking like 1 frame per 1.5-2 seconds which is too slow)
            1. If we can’t change it, do we have flashing screens?
         2. How do we improve our accuracy and algorithms?
            1. ML
            2. Quicker comparison (multi-threading?)
3. This next week:
   1. Continue along with project and try to answer some of the questions posed in the previous section
   2. Continue to figure out good way of doing workflow
   3. Finish tutorials
   4. Final Draft for the Proposal due Friday – try to finalize by end of week/weekend