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Progress Report 1

July 19, 2020

Important Links

Logistics: <https://docs.google.com/document/d/1Qo0l0qF1jvVqmgqgL6Z6X51aw0wqDwLvQqicWylxr-8/edit>

Proposal: <https://docs.google.com/document/d/1DBiNyzAc-N_t-mUIpo8f4XV-9Phh9NjCQqrzheH1NXc/edit>

Project architecture: <https://docs.google.com/document/d/1gniWN_mi1aYDgE-gEIbVYT34rI5nCuwCKJ8rZ6ejdR8/edit?ts=5f0fdf24>

Main program: <https://github.com/bentrey/Projects/blob/master/Main.ipynb>

Git: <https://github.com/bentrey/Adaptive-Shooting-Assistant>

**Part 1:**

**Question 1**

As a team, a lot was accomplished. The list is below:

-Rough Architectural Visual

-UI: initial layout complete in skeletal form

-Speech recognition, using SpeechRecognition library in Python, skeletal layout complete as part of main program

-Text-to-speech is completed and integrated into UI on GitHub. This will be used for audio generated coach feedback

-Main programming/UI portion of README.md completed with further updates as we integrate

**Question 2**

No major roadblocks faced, besides realizing that the Bluetooth is hard to use on windows, so virtual machines are being used

**Question 3**

I personally hope to start working on my portion of the project, which is the sklearn/clustering of the data. We should have some data to test with this week!

**Part 2**

Question 1: I estimate we are about 30% or so done with the project and plan to rapidly increase that soon!

Part 3:

attached