SheetVision - Team 3

Weekly Report 1

Individual Contributions

Trevin:

- Found a JS file with bindings to a precompiled openCv library so we can do opencv locally without having to worry about setting up a server and working with c or c++ on the server

Ricardo:

- Found a plugin for nodeJS applications using react native for desktop development. Got started on learning react native framework.

Bryan:

- Found out that we can use react native for windows development and then switch to mobile development in an easier way since it is multiplatform. Also got started on learning react native framework.
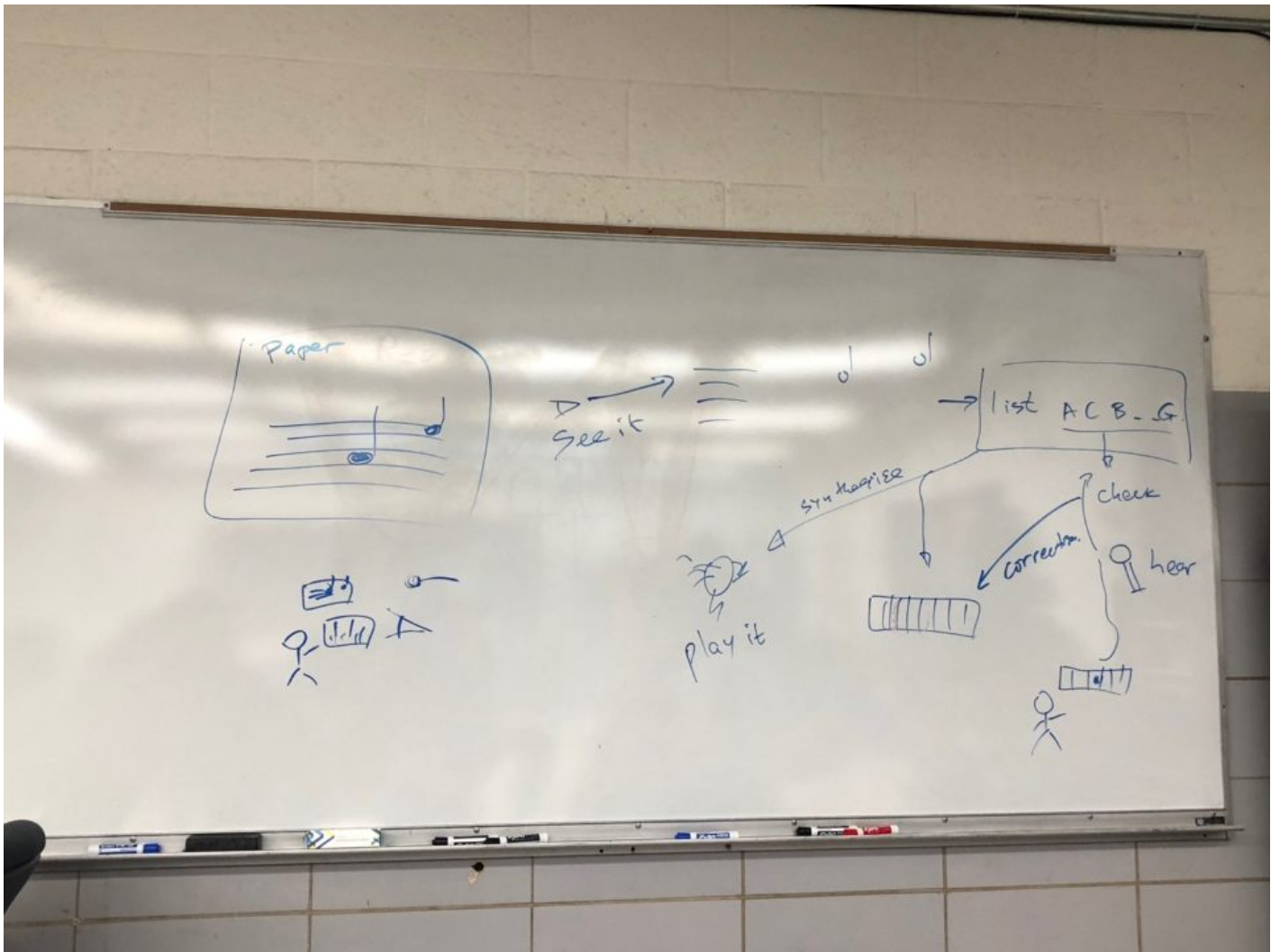
Garrett:

- Investigated possible alternate front end frameworks in search of a way to add Mac to the list of possible platforms. Started learning react native framework. Basic team scribe work.

Walter:

- Filled out request forms to buy music books and opencv research, as well as starting organization on our group repository.

Team Contributions

- Settled on new team goals, and new expectations for our final product.

(A more detailed use-case diagram coming soon)

Meeting Logs

1/25/2019 Meeting

- Probably alternate times on friday with other group. Meet every 2 weeks for now
- Technologies:
  - React native
  - Machine vision
  - Maybe AWS

- Communication:
  - Find out our goal of the project
  - Make an application for computer and then translate to mobile or other possible platforms

- Start doing machine vision, and app functions locally, and then if needed, use AWS to run all the processes.

2/01/2019 Meeting

- Limit things for beginners guide (level easy music sheet) to start.
- Make DESKTOP APP, NOT MOBILE TO START.
- Make a game for piano after scanning the music sheet. Therefore the user can learn how to play the piano.
    - Example:
        - Putting the keys in red and then when the user presses it it will return to white and so on.

- The other harder/extra part would be:
    - Scan the sheet, then play the music sheet in the phone (timing wise) and then the device will listen to the real life music instrument and display if the user used the correct key.