Project Proposal

My project is a fun alternative to our weekly attendance questions!

Ever felt that the attendance questions are boring and the process is mundane? I will create a website that makes use of voice recognition technology to pick up when the prof/TA is giving out the attendance question. There would then be a challenge against time to solve for and quickly provide the answer.

I have learnt about basic HTML coding and the use of microphone in openProcessing. Now I would like to harness those technology to add a fun twist to the lecture to make it more interesting for everyone!

The challenge would be first grasping the basic of HTML so that my website looks appealing and the second but greater challenge would be the incorporation of voice recognition technology into my website.

My timeline would be as follows:

Week 8 – Understanding HTML, CSS and JavaScript. Ensure that I’m able to create a static website that display text.

Week 9- Improve on the website in terms of user interface, e.g, colors, buttons, shapes. Start learning about voice recognition APIs and how I can add it to my website.

Week 10-Complete the website and ensure functionality. Try to see if the voice recognition could ONLY recognise one person’s voice so as to differentiate the users.

Week 11- Start on report writing, work on visualising the use and learnings of my project. Finalise my website and ensure it is running smoothly. Debug if needed.

Week 12- Finish up any unfinished parts. Improve on aesthetics and functionality. Prepare for class presentation.

Learning progress log

[16/10] Leaning of basic HTML setup incl tags.

[16/10] HTML text and paragraph

[16/10] CSS styling & how to alter text (Color, background, text align)

[16/10] Reading up on voice recognition

Linking of Javascript/CSS to html page

Contenteditable field in html

JS let and const

Review past JS pong game made in class

Reading and trying out various voice recognition APIs/code

Implementing code

Debugging

Figuring out how to display translated speech

FIgureing out how to link the database

Include diagram for database

Figuring out how to change the random key to date