

Info about “For Real Dataset” and Tasks

Assigned Tasks (*as of Sunday, September 1, 2024*)

Allen - Coordinate with the Expert , explore Front-End on Free Time

Steph - Composition/Writing of Documents , Help Allen with the UI Design Ideas on Free Time

CJ - Backend until may working prototype na naaccess remotely

Zild - Improve System Performance , Double check kung free to use nga yung mga noise na nakuha , Code Documentations on Free Time

Side Quests

- Tanungin yung ibang classmates/kakilala kung pano process ng tool defense , kung ano yung requirements chuchuchu
- Maghanap ng Kaklase before start ng classes , also dapat si dean parin prof natin para more or less same panel. Pag may conflict ,pwede itanong kay sir Melvin medyo weird pero active sya dun sa ccis fb group.
- Timeline ng Progress Natin
- To do list na pwedeng macheck ng lahat
- Look into Responsive UI Design or Animations sa Website para maimprove yung Web UI
- Look into mga techniques/mental models/body language sa pagprepresent, curious ako kung kaya natin imental yung panel para mas positive yung reception nila saatin during presentations.

Deadlines

Individual Deadlines

Allen - *September 6* (dapat sent na sa expert)

Steph - September 5 (Necessary Documents ay dapat na kay Allen na before Sept 6)

CJ - September 7

Zild - September 7

Task Deadlines

- **Documents - September 6, 2024**

(September 6 din natin isesend sa expert yung dataset and documents)

- **Expert Deadline - September 20, 2024**

If may concern/problems sa deadline , text nyo lang ako, 9 out of 10 times pwede natin iadjust kung may nakaplano na kayong gawin during the deadline. (eg. scheduled family outing , emergency sa bahay , may family member na nasa hospital , mentally and physically not feeling well , etc.)

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Mabilis ako sumagot sa both , pwede nyo din ako itext tas sabihin nyo tawag ako.

Reminder

- Maghanda ng pera para sa compensation sa audio engineer. If dun parin sa audio engineer na mabait na kahit magkano daw baka mga 5k up.
- Inuunahan natin lahat ng group sa TW2 para pag nagbubuo sila tayo naglilinis ng tool + nagprapractice magpresent
- By pasukan dapat may working prototype na tayo kahit medyo messy pa.
- Everyday progress is important , counterproductive yung isang bagsakan tapos pagod na pagod pagkatapos (eg. Everyday fixed work sessions vs Overnights)

What we need to do first:

- Create a Request Document that requests the audio engineer to verify and annotate our samples that will be used for the dataset para sa thesis chuchuchu , will include pirma natin and stuff , maybe need din pirma ng someone sa school .
- Create a document na nagsasabi na yung samples natin ay original aka tayo yung nag generate and yung tools na ginamit for generation ay open source and free to use , and yung noise ay also free to use from [freesound\(.\)org](https://freesound.org) although babalikan ko isa isa to make sure na lahat ay free to use talaga.
- Ayusin yung Instructions/Guide for the expert para hindi tunog masyadong demanding kasi tayo may kailangan HAHAHHAHA
- Compile the volunteers' waiver into one document (one long pdf file)
- Compile the volunteer's individual waivers into a folder for easy access. (just place them inside one folder , this is in addition to the other compile task.)
- Document dun sa Ethical thingy na sinasabi ni sir melvin

Expert's Task

Paayos naman into something na mas tunog polite HAHHAHAH

- Listen to every single recording included in the dataset (Expert's Choice if they want to listen to every single one fully or just small segments of the audio)
- In the provided excel file ,fill out the 'labels(expert)' column kung ano sa tingin nila yung sample + check the boxes on the right side of the labels if they agree with the researcher's label of the samples . We will discard samples that the expert deems invalid, in short pag sa tingin ng expert mali yung label ng researcher dun sa sample.
- Provide a Video Recording or Pictures of them listening to the audio and/or while verifying the labels in the excel file. Explain to them that some panels want concrete proof that the samples were actually verified and annotated by an expert.
- Sign a Document that verifies the authenticity of the samples used in the dataset. AKA that Bonafide samples are really Bonafide samples and Spoof/Deepfake Samples are really Spoof/Deepfake samples.

What we need from the Expert:

- A signed document na verifies our samples are authentic.
- The excel file na annotated ng expert natin. Basically yung sarili niyang column and yung may mga checkboxes.
- Proof na Ginawa nya yung task , video or picture while doing the annotation.
- Proof na nakipagusap talaga tayo sa expert (someone might have to jump in a call with the audio engineer)

Information about the Dataset

The dataset is comprised of 1 excel file and 3 folders that contains the audio files and is structured like this:

metainfo.xlsx

Samples

— Bonafide

— FV1.wav

— FV2.wav

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— Spoof

— TTS

— TTS-FV1.wav

— TTS-FV2.wav

..

— RVC

— RVC-FV1.wav

— RVC-FV2.wav

..

metainfo.csv contains the audio_id(filenamees) and the labels(class)

file naming convention:

FV1.wav

^ ^

volunteer number (Female Volunteer 1) and file extension (.wav)

TTS-FV1.wav

^

TTS - Text-To-Speech

RVC-FV1.wav

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RVC - Retrieval-based Voice Conversion

Need help:

Recently naisip ko na flawed yung research natin sa pag aadd ng noises kasi ang ginamit ko ay bonafide/realworld noise samples , ibig sabihin yun deepfake sample natin ay partial deepfakes.,pero ang tool natin hindi nya kaya magdiscriminate kung partial deepfake lang ba yung sample or parehong deepfake (voice at noise). Ano kayang possible na pwede nating gawin? Sooner or Later mapapansin na ng panel yun kaya medyo nagiisip na ako.