Mimic-Speech

Apps to mimic speech in bahasa indonesia.

Software Used for Apps Development

- OS (Windows 10 64-bit)
- Browser (Chrome v70.0.3538.110 (Official Build) (64-bit))
- Node.js (x10.14.1)
- MongoDB (v4.0.2)
- Git (2.18.0.windows.1)

How To Run

Make sure that *Node.js*, *MongoDB* is already installed and run commands below through command prompt in **mimic-app** repository.

To install all module and create directory that will be used. **If you want to use my speech data and db config use command below**.

```
$ npm run setup
```

To install all module and load my speech data and db config when develop the apps. **The data only provided in the CD (not available with git clone). If you want to fresh start use command above**.

```
$ npm run load
```

To start the server for collect app and mimic app.

```
$ npm run start
```

To train the collected data from collect app.

```
$ npm run train
```

Code Reference

- https://github.com/muaz-khan/RecordRTC/tree/master/RecordRTC-to-Nodejs
- https://github.com/tensorflow/tensorflow/tree/master/tensorflow/ex
- https://github.com/tensorflow/tfjs-models/tree/master/speech-commands
- https://github.com/jameslyons/python_speech_features/tree/master
- https://github.com/vail-systems/node-mfcc/blob/master/src/mfcc.js
- https://github.com/meyda/meyda/blob/master/src/extractors/mfcc.j

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