Real Time Chat Application

This application is built using SocketIO, NodeJs, HTML and CSS.

Installation

Running Locally

Make sure you have Node.js and npm install.

- Clone or Download the repository

```
git clone https://github.com/tanmayiitj/PCS-II-Project-Chat-Application
$ cd PCS-II-Project-Chat-Application
```

- Install Dependencies

```
npm install
npm i install node.js
npm i install socket.io
npm i install -g nodemon
```

- Run HTML File

  Run the html file with right clicking and selecting open in live server (VS Code, install VS code Live Server extension)

- Start the Application

```
$ cd .\nodeserver\
nodemon index.js
```

  Application runs from localhost:8000.

- Microphone Access

  In order to make speech regconition active allow Microphone access

Socket

Having an active connection opened between the client and the server so client can send and receive data. This allows real-time communication using sockets. This is made possible by Socket.io.

The client starts by connecting to the server through a socket(maybe also assigned to a specific namespace). Once connections is successful, client and server can emit and listen to events.

Enjoy Chatting Guys !!!!