TAN TAO UNIVERSITY SPRING2022

CS440: Computer Network

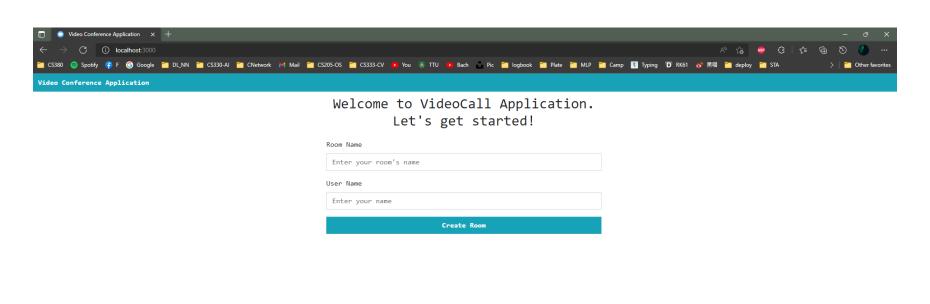
Final Project: Building a Video Conference Application

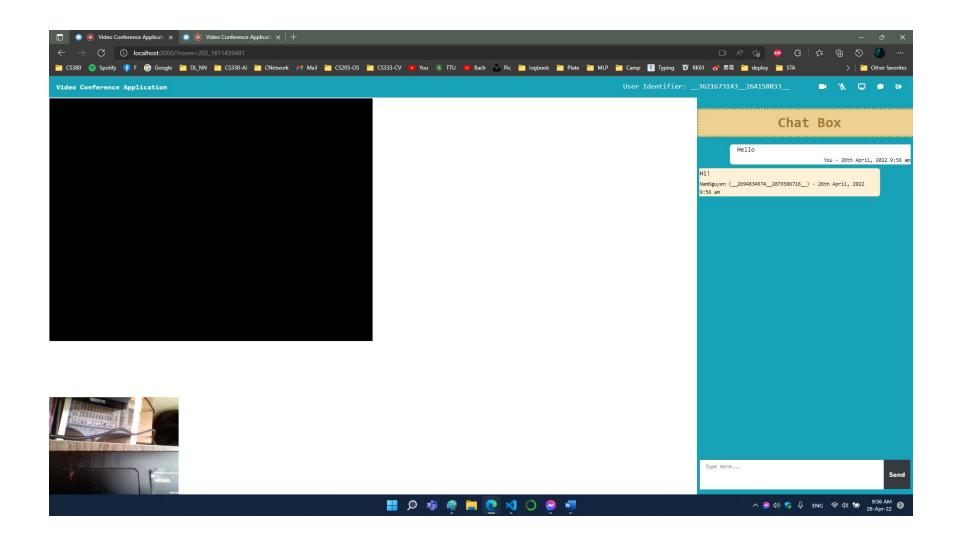
Instructor: Pro. Nguyen Xuan Ha

1902060 Vuong Thao Nguyen

Project Overview

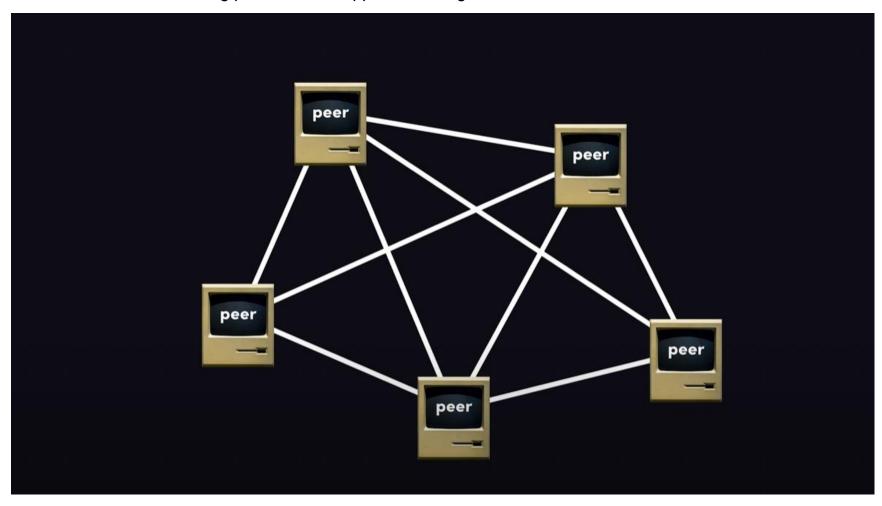
Library and Framework: Nodejs, Socket io, and WebRTC





WebRTC (Web Real Time Communication)

- A P2P communicating protocol that supports sending audio, video and data in real time







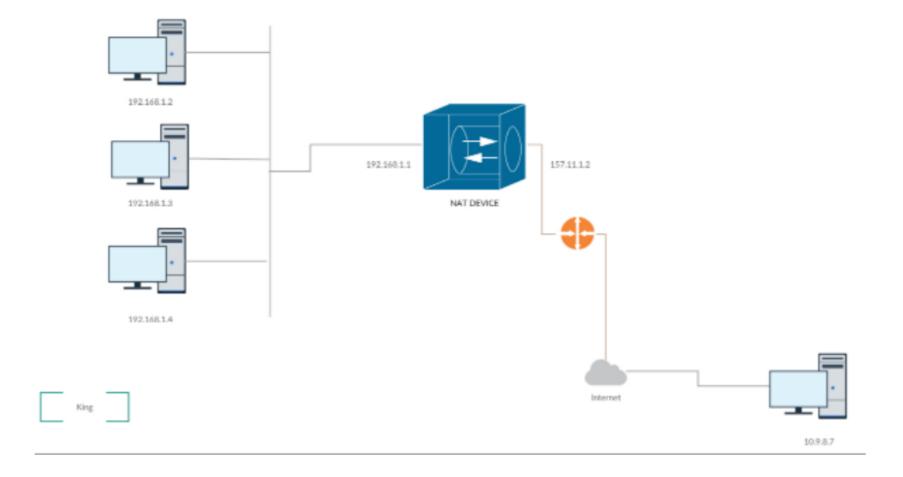
session description protocol

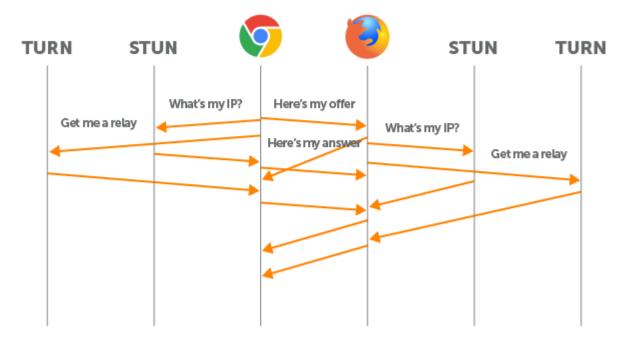
```
v= (protocol version number)
o= (originator and session identifier)
s= (session name)
i=* (session title or short inf
u=* (URI of description
e=* (zero or n
b=* (zero or n
b=* (zero or n
z=* (time zone
k=* (encryption
a=* (zero or more and transport address)
i=* (media name and transport address)
i=* (media title or information field)
c=* (connection information)
b=* (zero or more bandwidth information lines)
k=* (zero or more media attribute lines)
```



Signaling server: for the two device to securely connecting to each other (exchange connection data)









Live Demo

Code Review