

# 캡스톤설계

## SMUCON

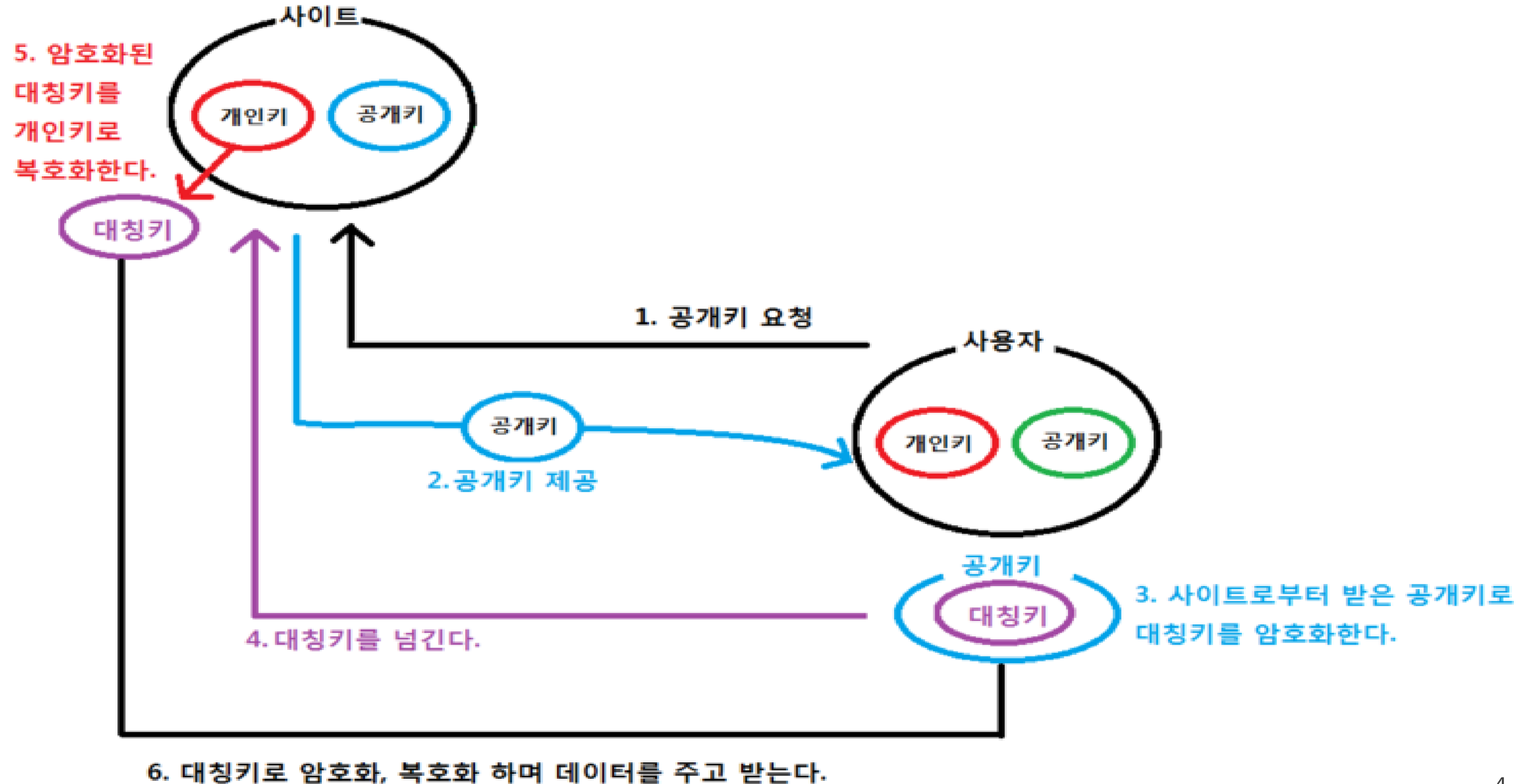
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- ssl

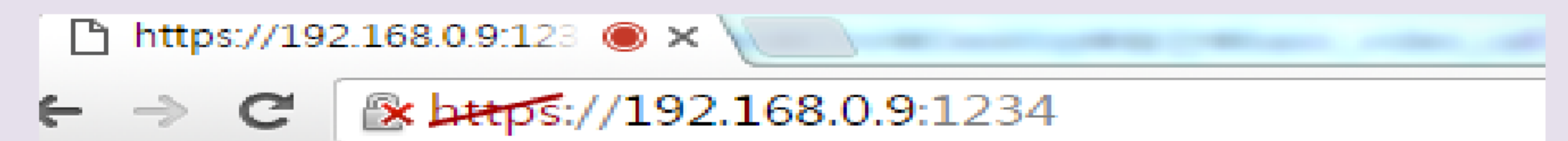
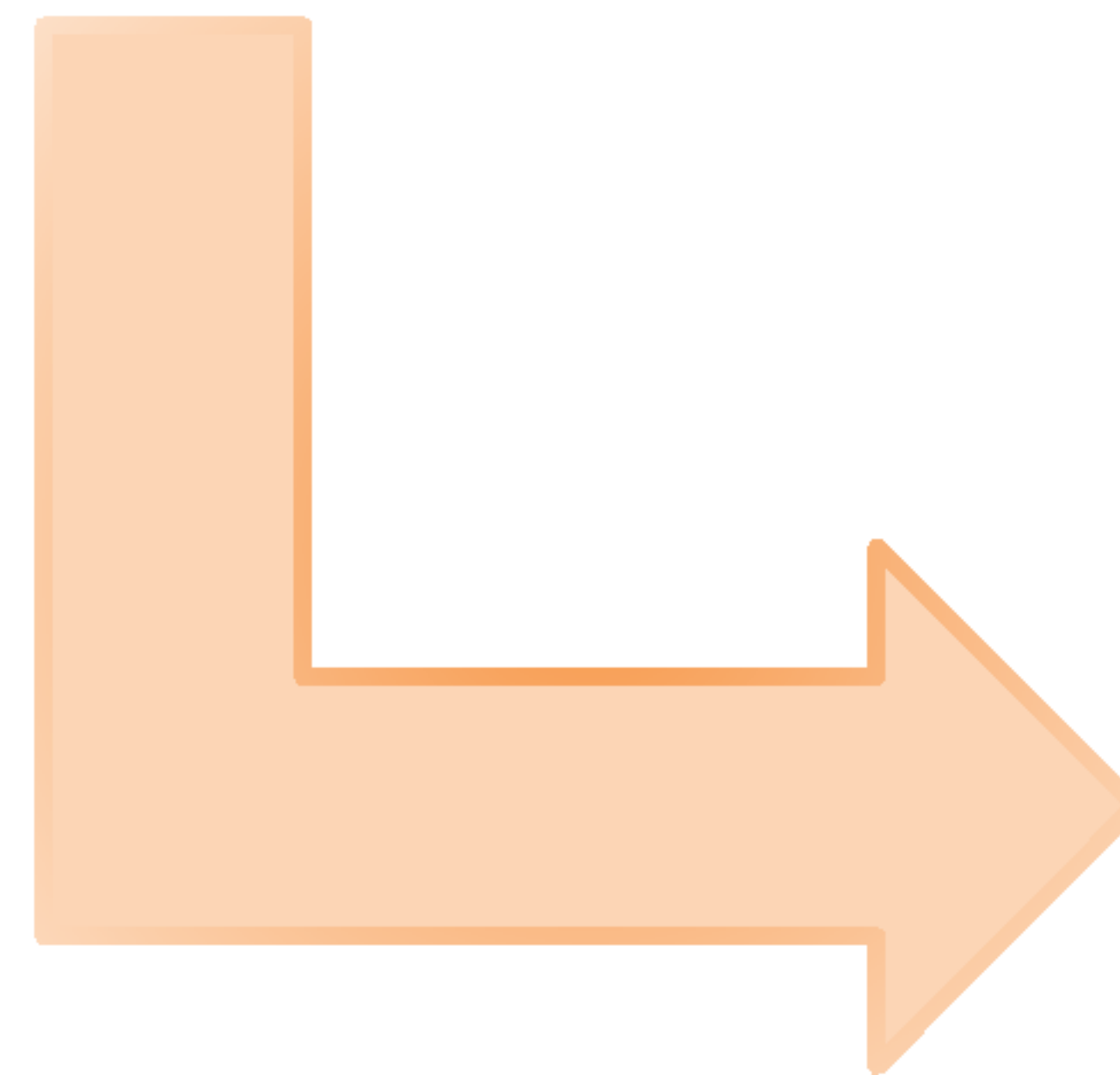
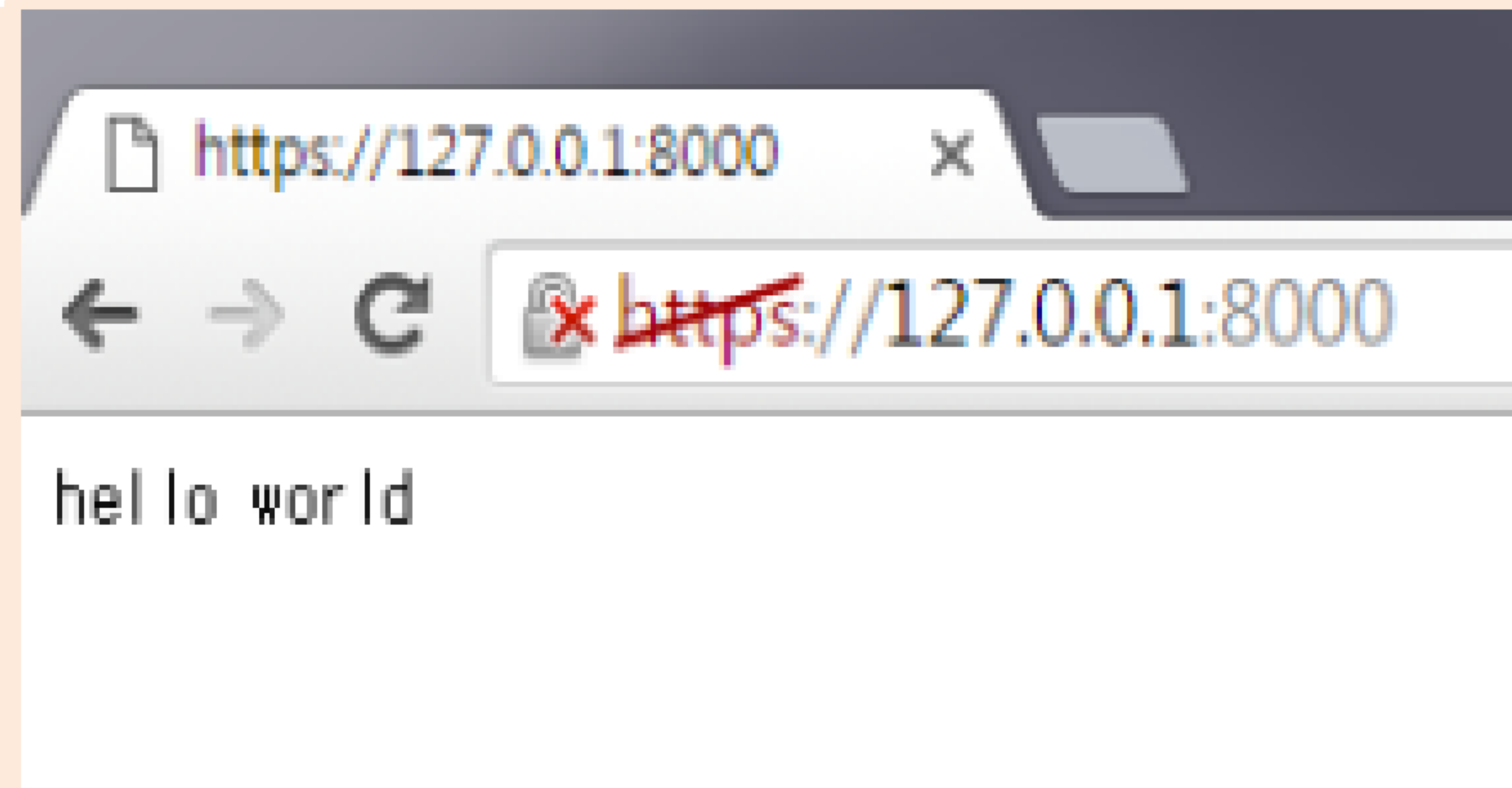
- WebRtc

# SSL - HTTPS

## SSL 방식



# »» Openssl





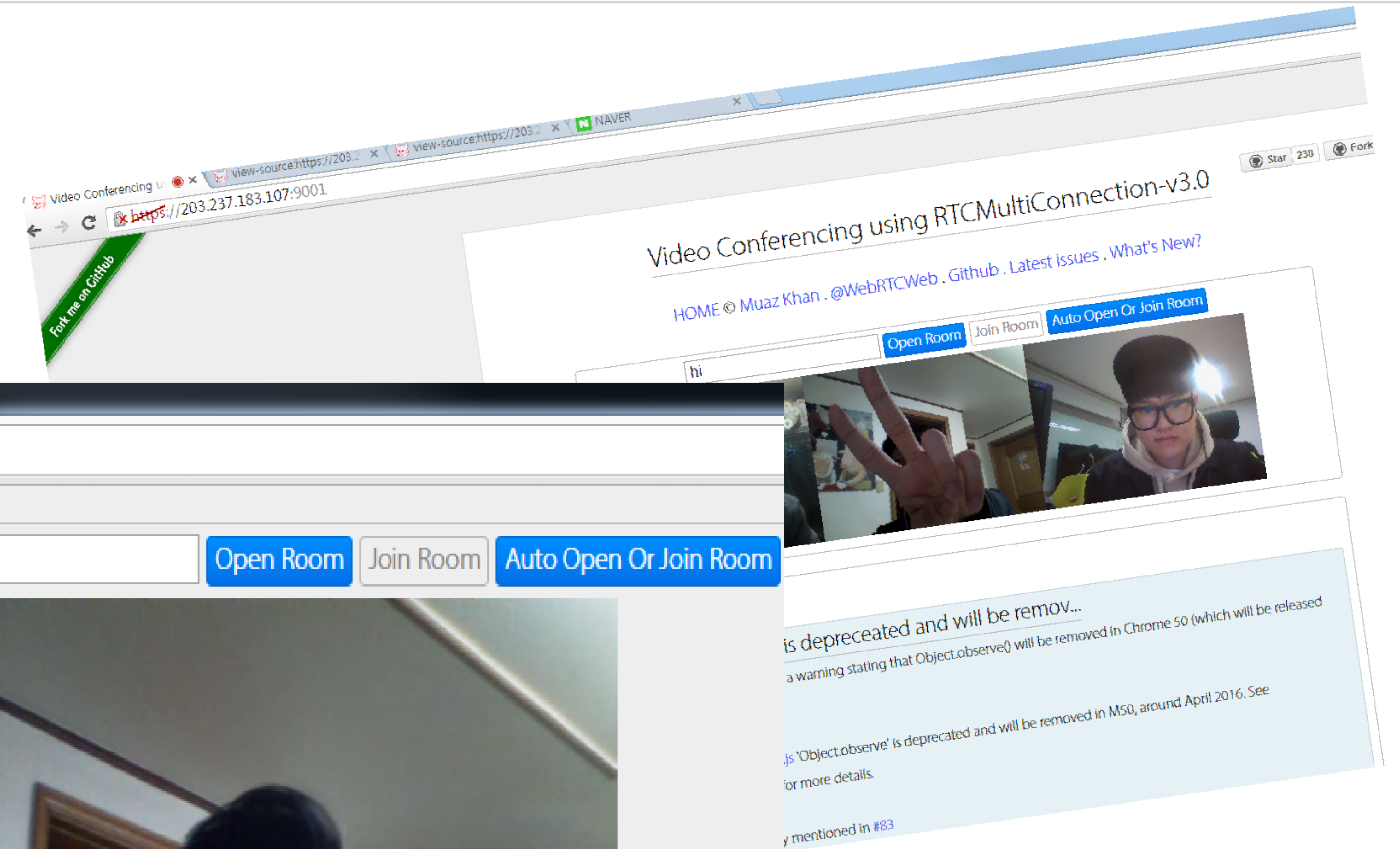
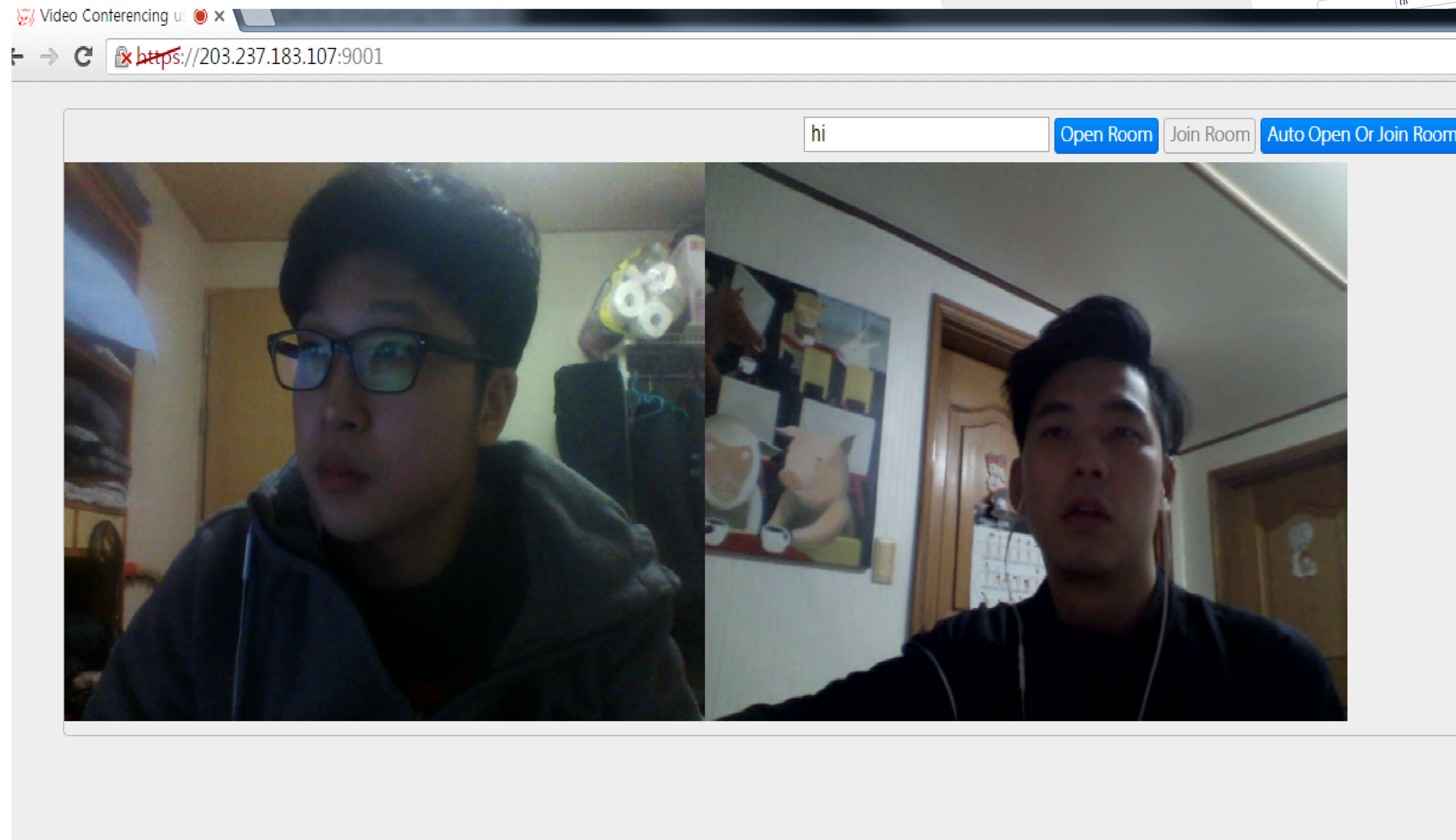
01

# WebRTC ssl 적용

02

03

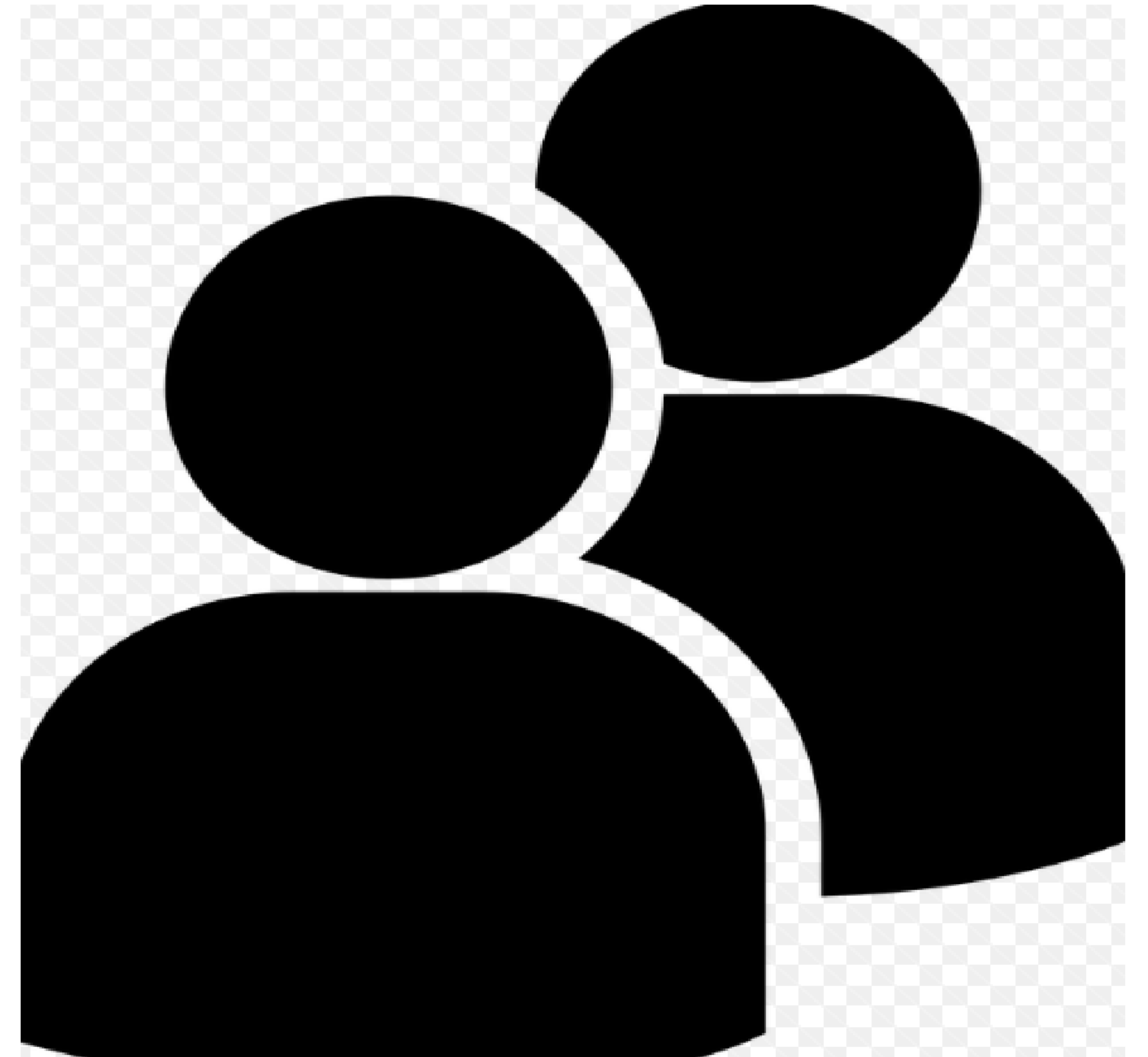
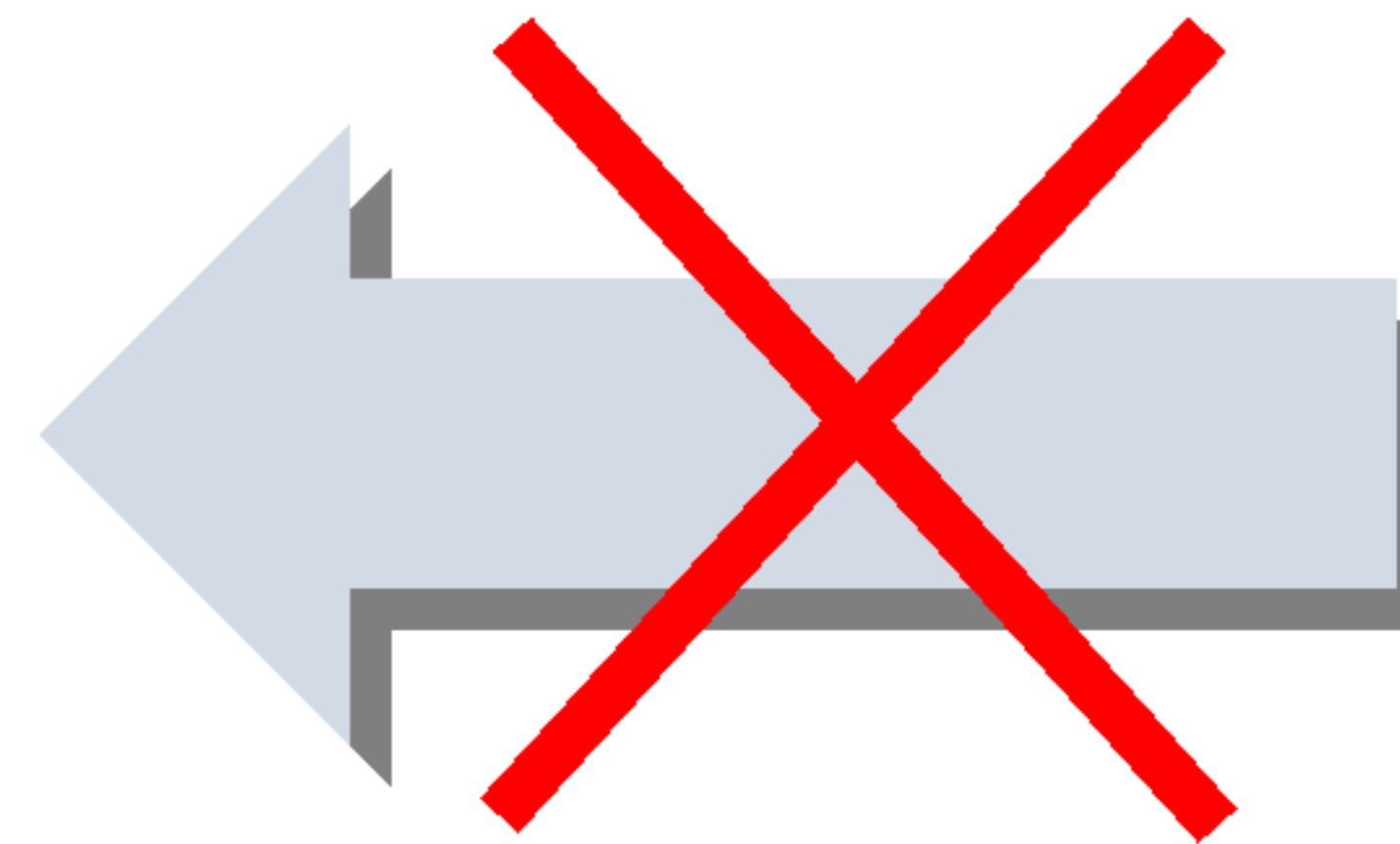
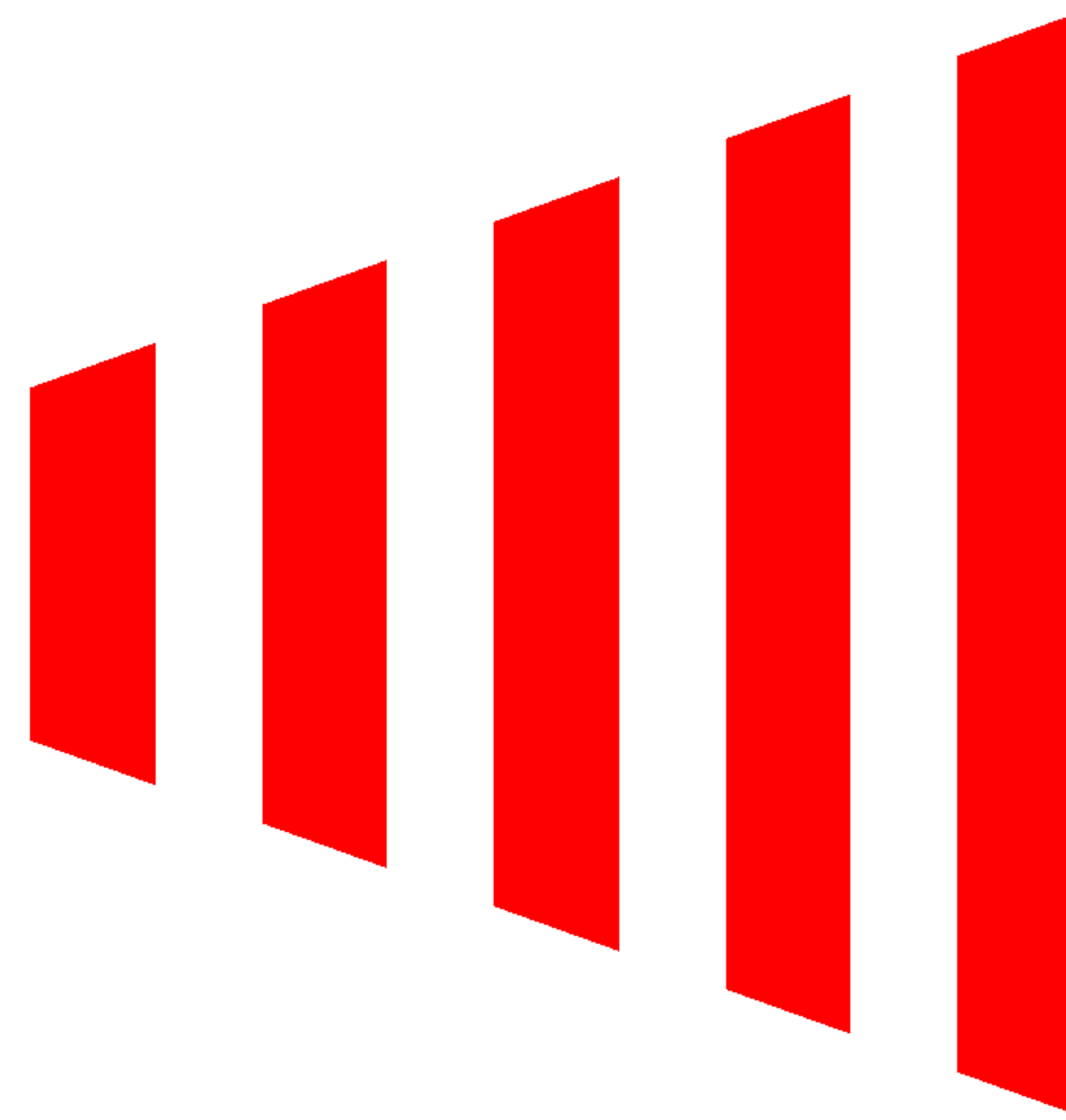
04





# WebRTC

## WebRtc 음성 제어



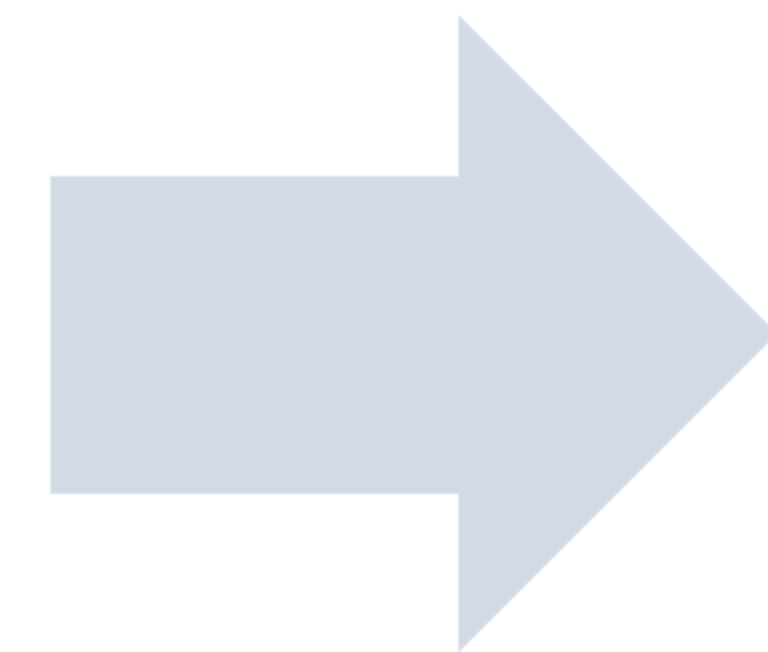


## >> 대안

ROOM USER LIST 테이블

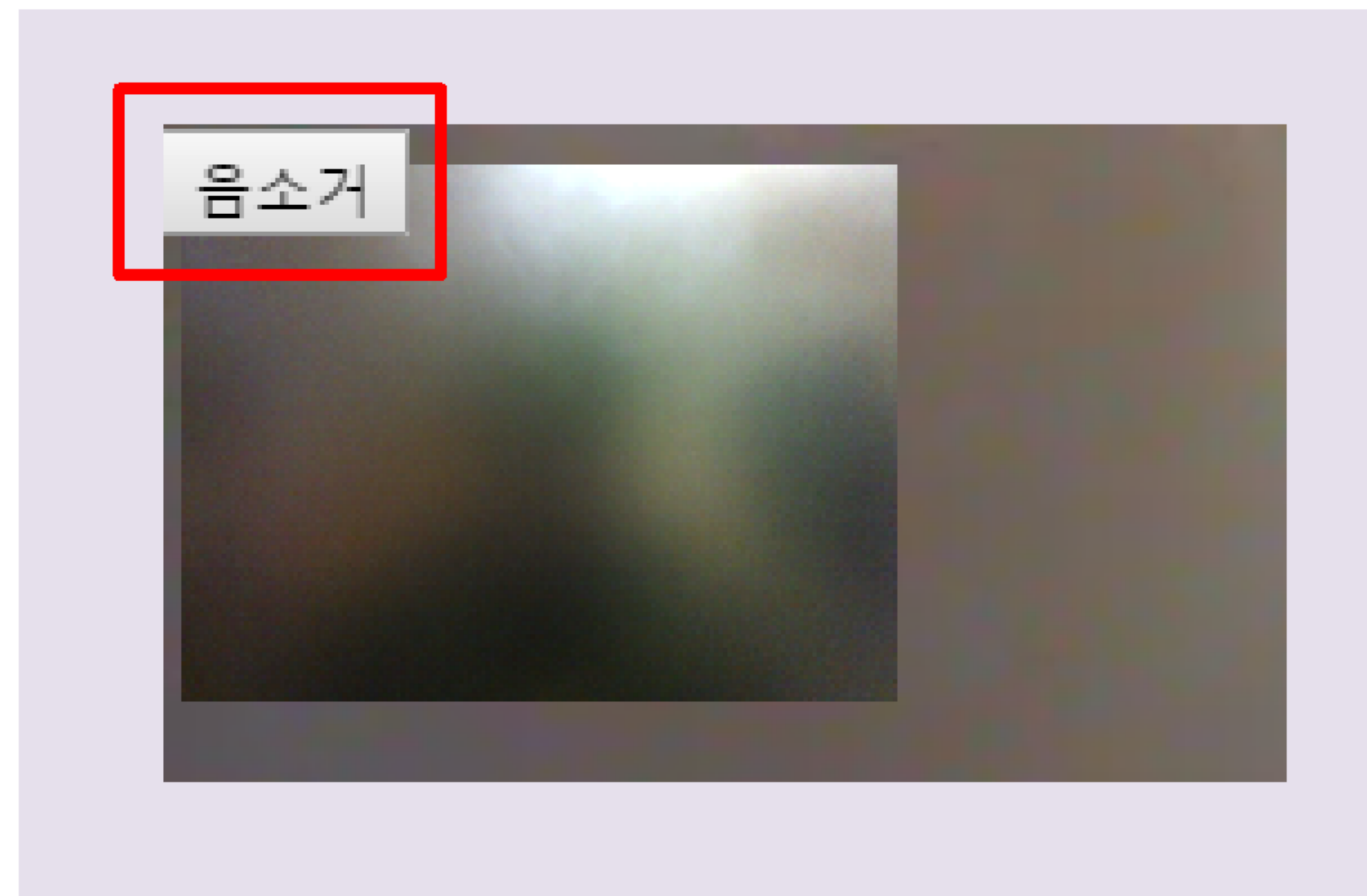


방장 값이 1 이면 방장.



방장의 값이 **1** 일 경우  
= 음소거 버튼을  
보여줌 or 이벤트 발생 설정

## »» 음성 제어 대안 (1)



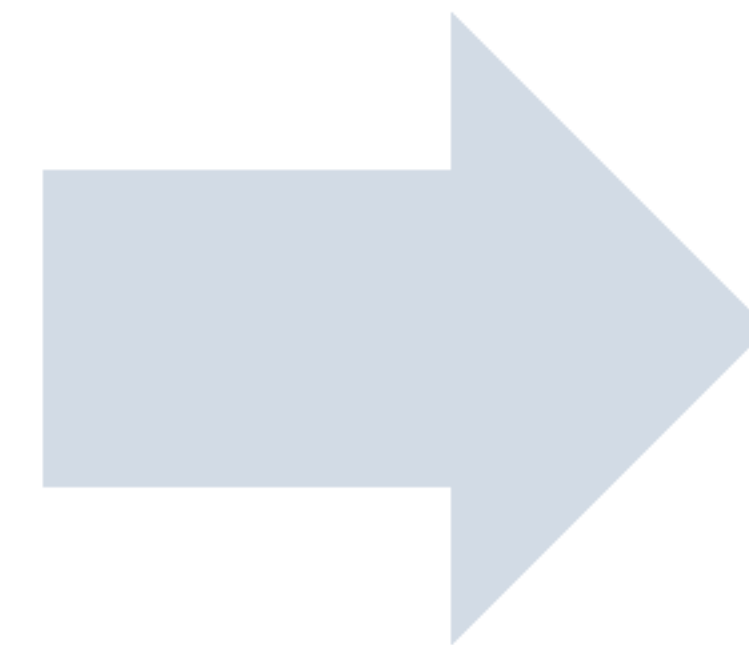
Button 생성 후  
- 클릭시 이벤트 발생

```
var a=0;

function setup_video(){
  if(a==0){
    a=1;

    get_user_media(
      {
        "audio": true,
        "video": true
      },
      .
      .
      .
    )else if(a==1){
      a=0;
      get_user_media(
        {
          "audio": false,
          "video": false
        },
        .
        .
        .
      )
    }
  }
}
```

## »» 음성 제어 대안 (2)



```
function mute(){  
    var videocontrol=document.getElementById("local_video");  
    if (videocontrol.muted) {videocontrol.muted = false;  
    }  
    else{ videocontrol.muted = true;  
    }  
}
```

Button 생성 후  
- 클릭시 이벤트 발생



감사합니다