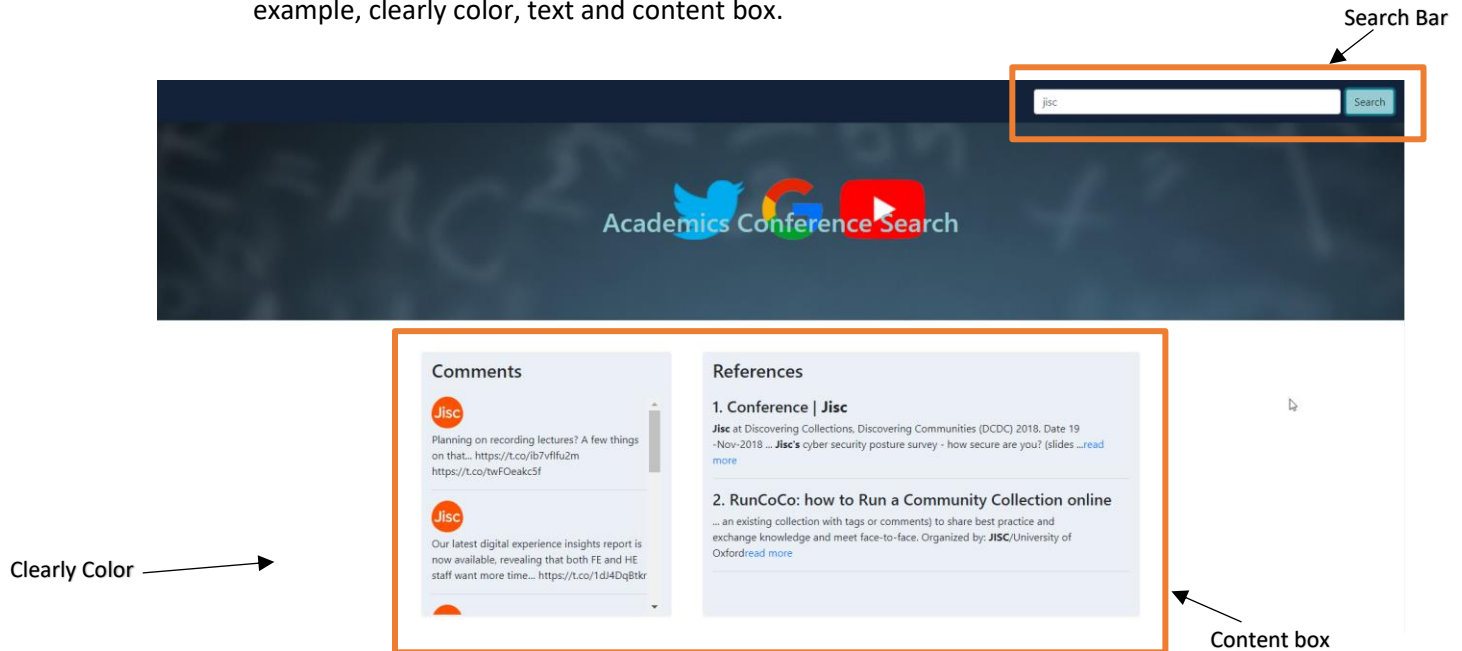


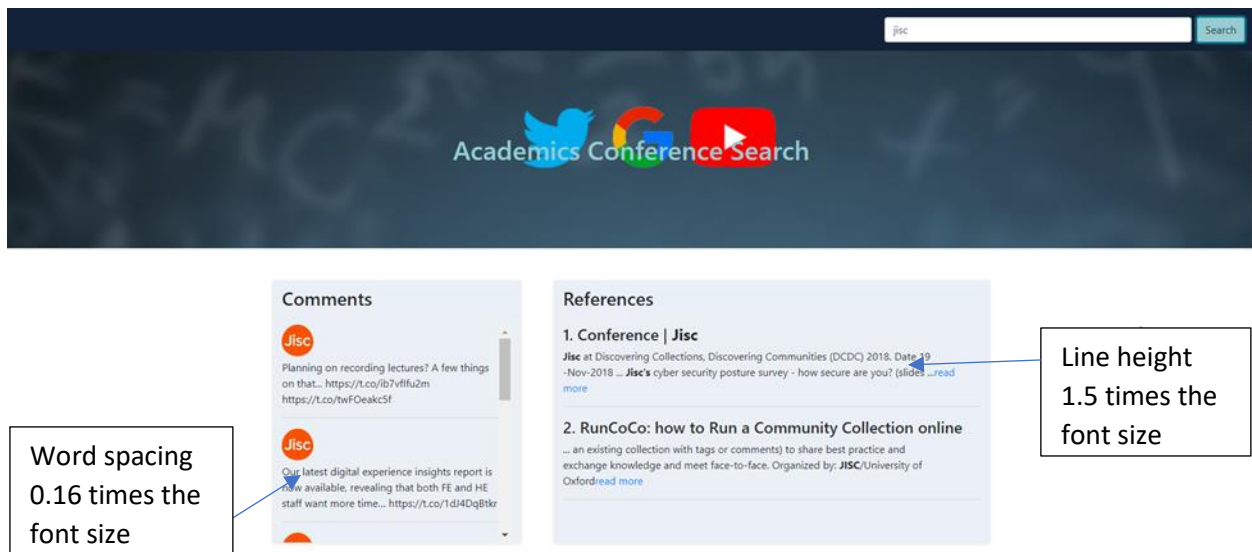
REPORT

What have you done for Web Accessibility?

We rather care about users' vision, so we create the website that has a clearly element for example, clearly color, text and content box.



We create space between the line and word for legibility. For instance, the contents in the website have word spacing 0.16 times the font size. Furthermore, we desire to adopt line height 1.5 times the font size for all contents, that causes users to feel more comfortable to read.

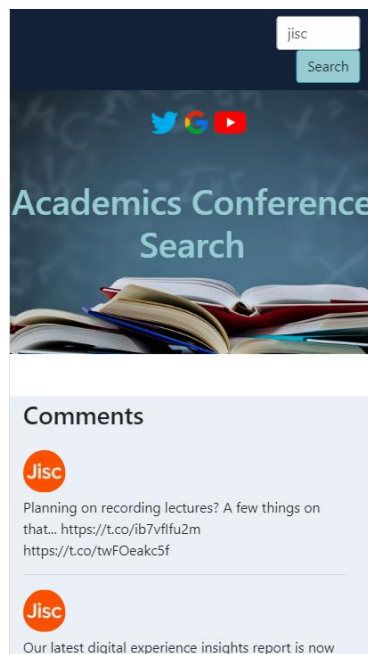


How is your web application friendly comparing to the other web applications?

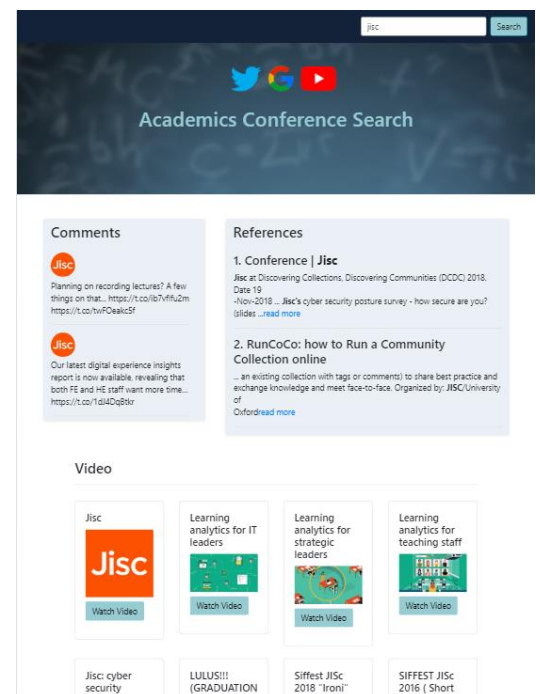
We create the website that support mobile compatibility. We also have web accessibility for users and we select well-formatted content.



Mobile compatibility for Iphone5/SE



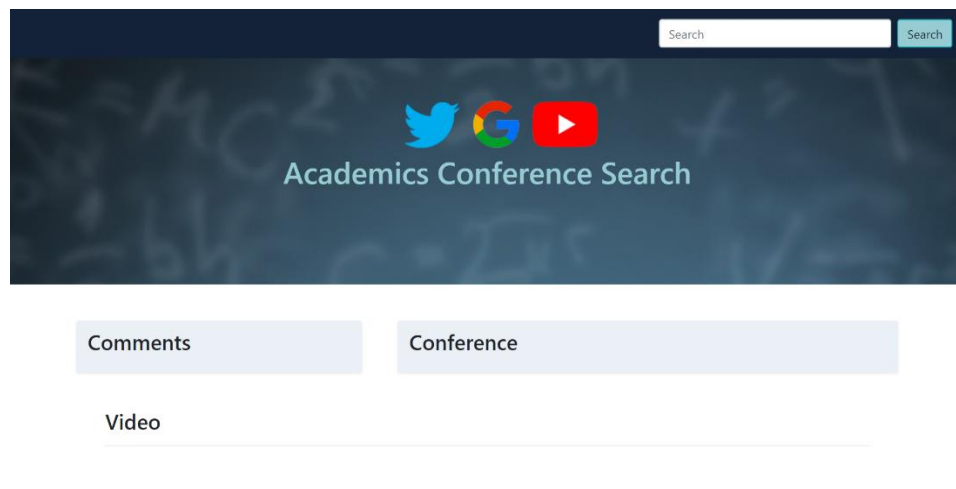
Mobile compatibility for Iphone6/7/8 Plus



Mobile compatibility for Ipad Pro

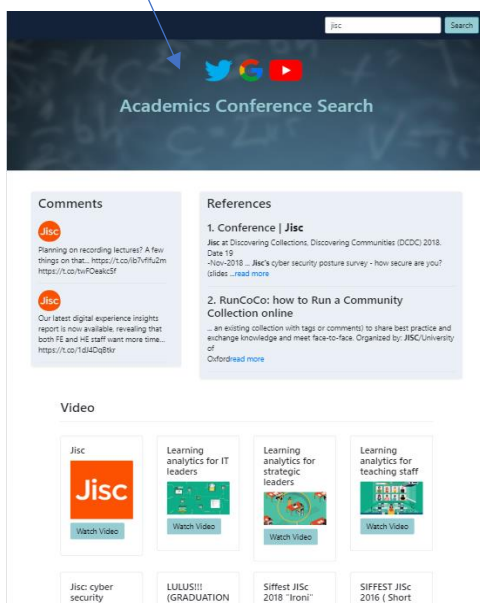
How can you interact with all web services?

First, we input search key to text box



Second, the search key will check by view.js that include google ,YouTube and Twitter API and go to function google(), Youtube() and twitter() to get result.

Result



```
//TWITTER- function
function twitter(){
    var str
    //Get data from twitter.php
    $.ajax({
        type: "POST",
        url: "twitter.php",
        data: {"search" : keyword},
        datatype: "text",
        success: function (response) {
            console.log(response)
            $("#com").append(response);
        }
    });
}
```

For calling twitter comment

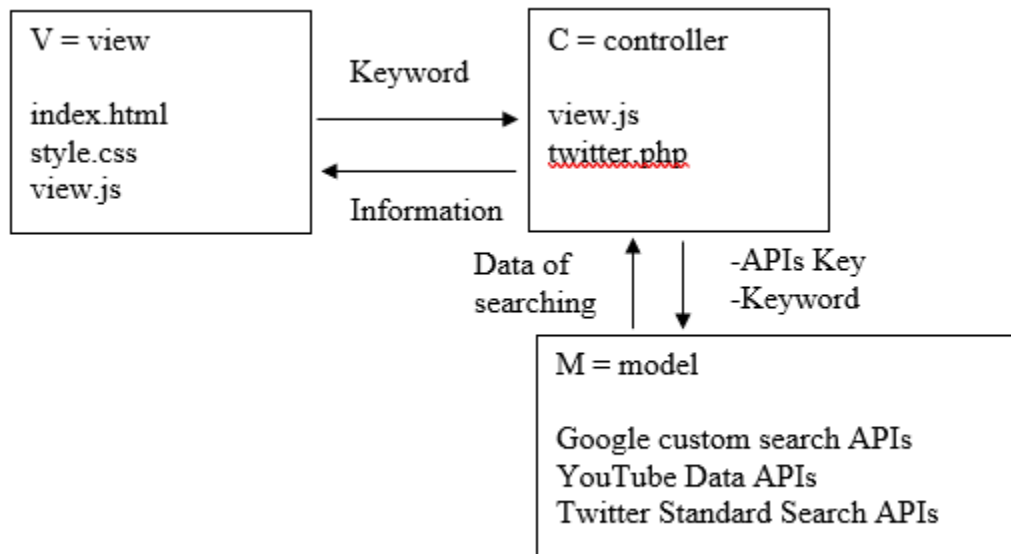
For calling youtube video

```
function youtube(response){
    var i=0;
    var j=1;
    console.log(response.items)
    //Use to print all data
    $.each(response.items, function (indexInArray, valueOfElement) {
        var id = "https://www.youtube.com/embed/" + valueOfElement.id;
        var thumbnail = valueOfElement.snippet.thumbnails.medium.url;
        var title = valueOfElement.snippet.title;
        var content =
            "<div class='col-sm-3'>"+
            "<div class='card' id='card'>"+
            "<div class='card-body rounded'>"+
            "<div class='card-title'>"+title+"</div>"+
            "<img class='card-img-top' src='"+thumbnail+"' alt='Card image cap'>"+
            "<p class='text'>"+<a href='"+id+"' target='_blank' class='btn' id='watch' style='background-color:#000000; color:black'>Watch Video</p>"+
            "</div>"+
            "</div>"+
            $("#"+j).append(content);
            if(i==3){
                j++;
            }
            i++;
        });
    });
}
```

For calling google search

```
function google(response){
    console.log(response.items)
    //Use to print all data
    $.each(response.items, function (indexInArray, valueOfElement) {
        //showGoogle(valueOfElement.htmlSnippet,valueOfElement.htmlTitle,valueOfElement.link)
        var title = "<span id='content'><h4>"+(indexInArray+1)+" "+valueOfElement.htmlTitle+"</h4>"+
        var content = "<p>"+valueOfElement.htmlSnippet+"<a href='"+valueOfElement.link+"' target='_blank'>read more</a>"+</p></span><hr>"+
        $("#ref").append(title+content);
    });
}
```

The architecture of your system

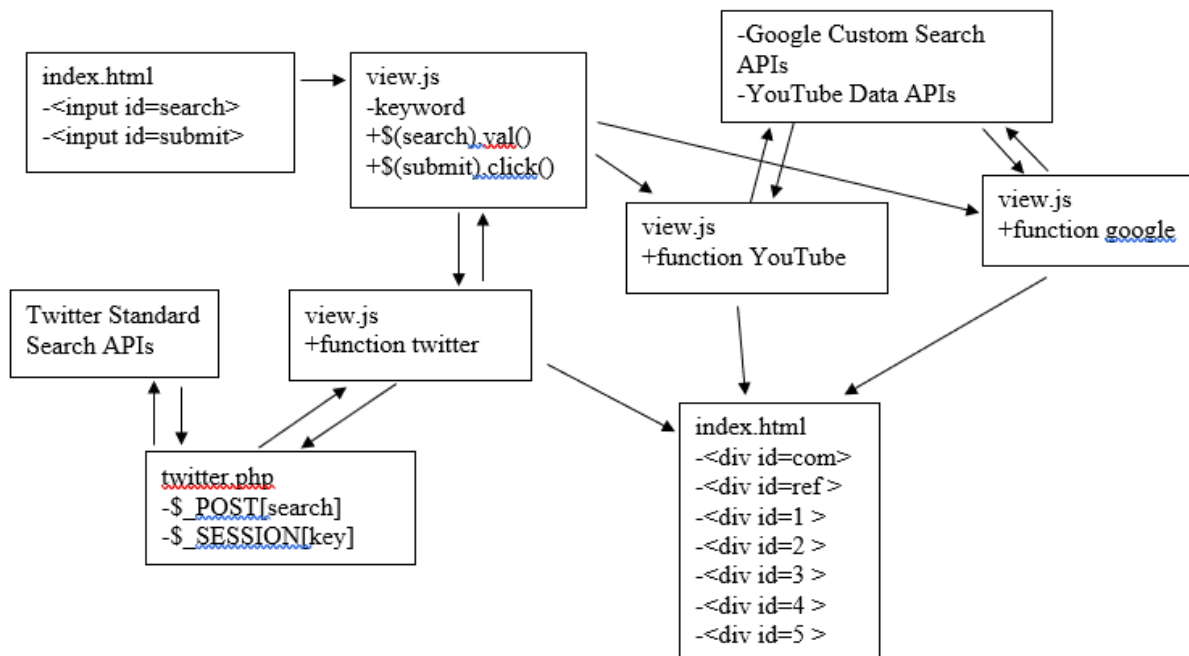


As you can see, when users input a word in `index.html` will receive value by function in `view.js` will call a `Youtube()`, `google()` and `twitter()` function. First, `youtube()` will get a name, thumbnail and URL by using youtube API key. Secondly, `Google()` will get data about conferences by using google API to search. Thirdly, `Twitter()` will link to `twitter.php` to get comments of the conferences that you search. Lastly, the result will send back to `index.php` and show the output on user screen.

Client-side scripts : `view.js` (contain `youtube`, `twitter` and `google`)

Server-side scripts : `Twitter.php`

The structure of your code (e.g. how does each code interact the others?)



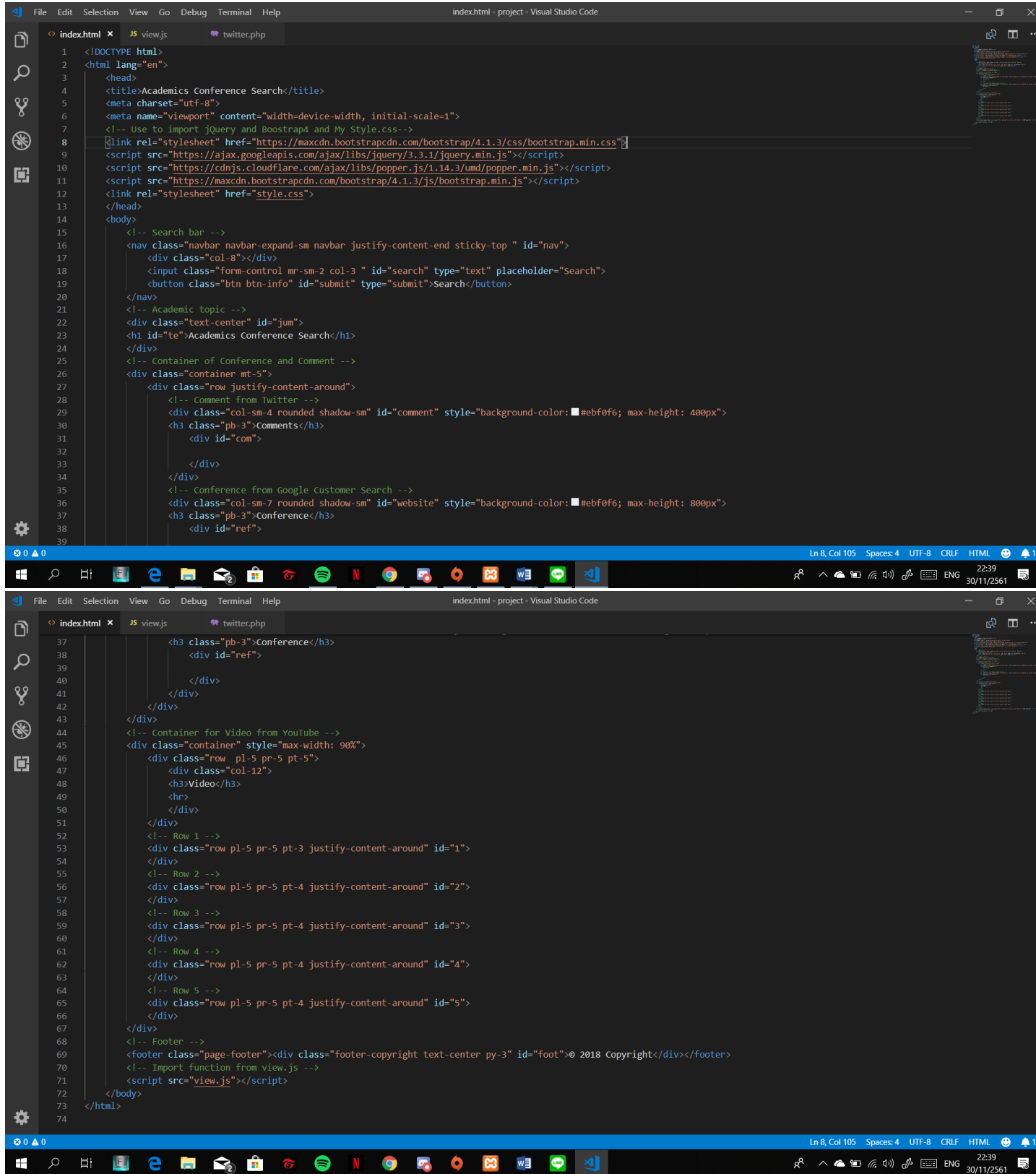
Our website can interact to each other's by these several steps.

Firstly, input box. In html page, there are text box, content box, and comment box, which get style from CSS file, that uses to assign keyword to search. After users click search, it sends data to jQuery function.

Secondly, in JavaScript page, there are google, YouTube, and twitter function. For example, google and YouTube function can get JSON data, that come from external sever by using the keywords to search. They can append information to content box, which is in html page. Moreover, in twitter function has ajax function, that can get information from twitter.php file and twitter function can append the information to the comment box, that is in html page.

Lastly, there is php file. For example, the php file has function, that use to set APIs key, and get data from Twitter's server. Moreover, the php file create an information, that contain user's name, and text, and send the information back to twitter function, that is in jQuery.

Screenshot function



```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <title>Academics Conference Search</title>
5     <meta charset="utf-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1">
7     <!-- Use to import jQuery and Bootstrap4 and My Style.css-->
8     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
9     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
10    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"></script>
11    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
12    <link rel="stylesheet" href="style.css">
13  </head>
14  <body>
15    <!-- Search bar -->
16    <nav class="navbar navbar-expand-sm navbar justify-content-end sticky-top" id="nav">
17      <div class="col-8"></div>
18      <input class="form-control mr-sm-2 col-3" id="search" type="text" placeholder="Search">
19      <button class="btn btn-info" id="submit" type="submit">Search</button>
20    </nav>
21    <!-- Academic topic -->
22    <div class="text-center" id="jum">
23      <h1 id="te">Academics Conference Search</h1>
24    </div>
25    <!-- Container of Conference and Comment -->
26    <div class="container mt-5">
27      <div class="row justify-content-around">
28        <!-- Comment from Twitter -->
29        <div class="col-sm-4 rounded shadow-sm" id="comment" style="background-color: #ebf0f6; max-height: 400px">
30          <h3 class="pb-3">Comments</h3>
31          <div id="com">
32
33          </div>
34        </div>
35        <!-- Conference from Google Customer Search -->
36        <div class="col-sm-7 rounded shadow-sm" id="website" style="background-color: #ebf0f6; max-height: 800px">
37          <h3 class="pb-3">Conference</h3>
38          <div id="ref">
39
40          </div>
41        </div>
42      </div>
43    </div>
44    <!-- Container for Video from YouTube -->
45    <div class="container" style="max-width: 90%">
46      <div class="row pl-5 pr-5 pt-5">
47        <div class="col-12">
48          <h3>Video</h3>
49          <hr>
50        </div>
51      </div>
52      <!-- Row 1 -->
53      <div class="row pl-5 pr-5 pt-3 justify-content-around" id="1">
54      </div>
55      <!-- Row 2 -->
56      <div class="row pl-5 pr-5 pt-4 justify-content-around" id="2">
57      </div>
58      <!-- Row 3 -->
59      <div class="row pl-5 pr-5 pt-4 justify-content-around" id="3">
60      </div>
61      <!-- Row 4 -->
62      <div class="row pl-5 pr-5 pt-4 justify-content-around" id="4">
63      </div>
64      <!-- Row 5 -->
65      <div class="row pl-5 pr-5 pt-4 justify-content-around" id="5">
66      </div>
67    </div>
68    <!-- Footer -->
69    <footer class="page-footer"><div class="footer-copyright text-center py-3" id="foot"> 2018 Copyright</div></footer>
70    <!-- Import function from view.js -->
71    <script src="view.js"></script>
72  </body>
73 </html>
```

```
File Edit Selection View Go Debug Terminal Help
viewjs - project - Visual Studio Code

index.html JS viewjs x twitter.php

1 var keyword = ""
2 $(document).ready(function () {
3     $("#submit").click(function () {
4         // Get value from input box
5         keyword = $("#search").val()
6         //clear screen
7         refresh()
8         console.log(keyword)
9         //Get JSON from google search
10        $.getJSON("https://www.googleapis.com/customsearch/v1?key=AIzaSyAk8Rq7E9sU5auW9HTCAURdzWjKQrCrkFg&cx=000033207723431939197:bfiav_vmw4&count=20&q="+keyword,
11        function (response) {
12            // call google function for show all conference
13            google(response)
14        })
15    });
16    //Get JSON from youtube data api
17    $.getJSON("https://www.googleapis.com/youtube/v3/search?key=AIzaSyCVi7sbKeMkH6RB-pcIwWfOpjofj-iw0U&part=snippet&maxResults=20&q=conference"+keyword,
18    function (response) {
19        // call youtube function for show all video
20        youtube(response)
21    })
22    // Call twitter function for show all comment
23    twitter()
24    });
25    });
26    });
27    //Clear screen function
28    function refresh(){
29        $("#ref").empty();
30        $("#1").empty();
31        $("#2").empty();
32        $("#3").empty();
33        $("#4").empty();
34        $("#5").empty();
35        $("#com").empty();
36    }
37    //Google function
38    function google(response){
39        console.log(response.items)
```

```
File Edit Selection View Go Debug Terminal Help
viewjs - project - Visual Studio Code

index.html JS viewjs x twitter.php

37 //Google function
38 function google(response){
39     console.log(response.items)
40     //Use to print all data
41     $.each(response.items, function (indexInArray, valueOfElement) {
42         //show google(valueOfElement.htmlSnippet,valueOfElement.htmlTitle,valueOfElement.link)
43         var title = "<span id='content'\><h4>"+(indexInArray+1)+". "+valueOfElement.htmlTitle+"</h4>"
44         var content = "<p>"+valueOfElement.htmlSnippet+"<a href='"+valueOfElement.link+"' target='_blank'>read more</a>"+</p></span><hr>"
45         $("#ref").append(title+content);
46     });
47 }
48 //Youtube function
49 function youtube(response){
50     var i=0;
51     var j=1;
52     console.log(response.items)
53     //Use to print all data
54     $.each(response.items, function (indexInArray, valueOfElement) {
55         var ID = "https://www.youtube.com/embed/" + valueOfElement.id.videoId;
56         var thumbnail = valueOfElement.snippet.thumbnails.medium.url;
57         var titleV = valueOfElement.snippet.title;
58         var content =
59         "<div class='col-sm-3'\>"+
60         "<div class='card'\ id='card'\> "+
61         "<div class='card-body round'\ onmouseover='style.boxShadow='0 4px 8px 0 rgba(0, 0, 0, 0), 0 6px 20px 0 rgba(0, 0, 0, 0)'\>"+
62         "<h5 class='card-title'\>"+titleV+"</h5>"+
63         "<img class='card-img-top'\ src='"+thumbnail+"' alt='Card image cap'\>"+
64         "<p class='mt-2'\><a href='"+ID+"' target='_blank' class='btn' id='watch'\ style='background-color:#98ccdd; color:black'\>Watch Video</a></p>"+
65         "</div>"+
66         "</div>"+
67         "</div>"+
68         $("#"+j.toString()).append(content);
69         if(i==3){
70             j++
71         }
72         i++
73     });
74 }
75 //Twitter function
```

```
File Edit Selection View Go Debug Terminal Help viewjs - project - Visual Studio Code
index.html JS viewjs x twitter.php # style.css
60 <div class="card-body round" id="card"> "+
61 "onmouseout="style.boxShadow='0 4px 8px 0 rgba(0, 0, 0, 0), 0 6px 20px 0 rgba(0, 0, 0, 0)'" onmouseover="style.box
62 "ch5 class="card-title">+titleV+</h5>"+
63 "img class="card-img-top" src="+thumbnail+" alt="Card image cap">"+
64 "p class="mt-2">a href="+ID+" target="_blank" class="btn" id="watch" style="background-color:#98ccdd; color:black">Watch Video</a></p>
65 </div>"+
66 "div">"+
67 "</div>"
68 $("#"+j.toString()).append(content);
69 if(i==3){
70     j++
71 }
72     i++
73 });
74 }
75 //Twitter function
76 function twitter(){
77     var str
78     //Get data from twitter.php
79     $.ajax({
80         type: "POST",
81         url: "twitter.php",
82         data: {"search" : keyword},
83         datatype: "text",
84         success: function (response) {
85             console.log(response)
86             $("#com").append(response);
87         }
88     });
89 }
```

```
File Edit Selection View Go Debug Terminal Help twitter.php - project - Visual Studio Code
index.html JS viewjs x twitter.php x
1 <?php
2 session_start()
3 >?
4 <?php
5 //Initial all Twitter api key
6 $consumer_key = 'Sbj9G05jVhZnPX0Mj7nxRL';
7 $consumer_secret='voomTmaiguLig6xdjev6vBTQP09GK5pq19Ps0tv63k4aVz6aCS';
8 $access_token='961991331110207489-mMR267xXV728wBLTyZPTpSPC63YIGI';
9 $access_token_secret='Pu4wQets0ad8UGYQFBonXduFKZdohCpmu1603NKS1uVRP';
10 //Import require file and function
11 require ("twitteroauth-master/twitteroauth-master/autoload.php");
12 use Abraham\TwitterOAuth\TwitterOAuth;
13 //Use to get data from Twitter standard search
14 if(isset($_POST['search'])){
15     //Handle data from view.js
16     $_SESSION["key"] = $_POST['search'];
17     //Create new object from twitter
18     $twitter = new TwitterOAuth($consumer_key,$consumer_secret,$access_token,$access_token_secret);
19     //get information from Twitter
20     $tweet = $twitter->get('search/tweets', array("q" => $_SESSION["key"], "result_type" => "popular", "count">=20));
21     header('Content-type: application/json; charset=utf-8');
22     header('access-control-allow-origin: *');
23     //convert data to JSON
24
25     $result = "";
26     foreach($tweet->statuses as $value){
27         preg_match('/(.*?)https(.*?)', $value->text, $output_array);
28         //We form this pattern for print in HTML
29         $result = $result."<p><img src='".$value->user->profile_image_url.'" class='rounded-circle pr-2' alt='twitter' style='padding-bottom: 5px;'> \".$value->
30     }
31     //Return value to view.js
32     echo(json_encode($result));
33 }
34 else{
35     echo("go back");
36 }
37 >?

```



```
File Edit Selection View Go Debug Terminal Help style.css - project - Visual Studio Code
index.html JS view.js twitter.php # style.css x
1 /* Style of my project */
2 #comment, #website{
3     padding-top: 1%;
4 }
5 #jum{
6     height: 300px;
7     background-image: url("1.jpg");
8     background-position: top;
9     background-size: cover;
10    color: #132238;
11 }
12 #te{
13     position: relative;
14     top: 43%;
15     left: 50%;
16     transform: translate(-50%, -50%)
17 }
18 #nav{
19     min-height: 65px;
20     background-color: #132238;
21 }
22 #submit{
23     background-color: #98cccd;
24     color: #1A2930;
25 }
26 #ref{
27     max-height: 85%;
28     overflow: auto;
29 }
30 #com{
31     max-height: 85%;
32     overflow: auto;
33 }
34 #foot{
35     background-color: #132238;
36     color: white
37 }
38 h4, ti, h4.to{
39     color: lightslategray
```

```
File Edit Selection View Go Debug Terminal Help style.css - project - Visual Studio Code
index.html JS view.js twitter.php # style.css x
37 }
38 h4, ti, h4.to{
39     color: lightslategray
40 }
41 #watch: hover{
42     transform: scale(1.2);
43 }
44 #card: hover{
45     transform: scale(1.1);
46 }
```