



HACETTEPE ÜNİVERSİTESİ
Bilgisayar Mühendisliği Bölümü

HACETTEPE UNIVERSITY

DEPARTMENT OF COMPUTER

SCIENCE & ENGINEERING

BBM488 - WEB Services Laboratory

Experiment 1

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SUBJECT : JSON

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Introduction / Aim:

The aim of this experiment is to create a web page using JSON.

Details:

I develop a web page using the search engine of Twitter. In this experiment, I learned how to develop a web page using JSON. I used HTML, CSS, JavaScript, DOM and JSON.

Development

I made arrangements to interface with html and css.

twitsearch.html -----> I put the css and javascript files into the html code where head.

```
<head>
```

```
    <title>Twitter Search Engine</title>
```

```
    <link href="stil.css" rel="stylesheet" type="text/css" />
```

```
    <script src="twSearch.js" type="text/javascript"></script>
```

```
    <script type="text/javascript" src="http://code.jquery.com/jquery-  
latest.js"></script>
```

```
</head>
```

-----> I made search textbox into the html code where body.

```
<body>
```

```
    <div class="main">
```

```
        <div class="baslik">
```

```
            Twitter Search Engine
```

```
        </div>
```

```
        <div class="arama">
```

```
            <input id="sorgu" type="text" />
```

```
            <input id="submit" onclick="twitleriYukle()" type="button"  
value="Search!" />
```

```
        </div>
```

```
        <div id="sonuclar">
```

```
</div>
```

```
</div>
```

```
</body>
```

----->I made the necessary arrangements where style file.

```
body
```

```
{
```

```
    font-family: Arial, Helvetica, sans-serif;
```

```
}
```

```
.main
```

```
{
```

```
    border: 2px solid #000066;
```

```
    background-color: #B7DBFF;
```

```
    height: 500px;
```

```
}
```

```
.baslik
```

```
{
```

```
    padding: 5px;
```

```
    border-bottom-style: solid;
```

```
    border-bottom-width: 1px;
```

```
}
```

```
.arama
```

```
{
```

```
    padding: 5px;
```

```
}
```

```
.tweet_container
```

```
{
```

```
        border: 1px solid gray;

        margin: 1px;
    }

    .tweet
    {

    }

    #sonuclar
    {

        border: 1px solid #3399FF;

        margin: 7px;

        height: 420px;

        padding: 3px;

        font-size: 12px;
    }

    #sorgu
    {

        border: 1px solid #0066FF;

        background-color: #CEEEFF;
    }

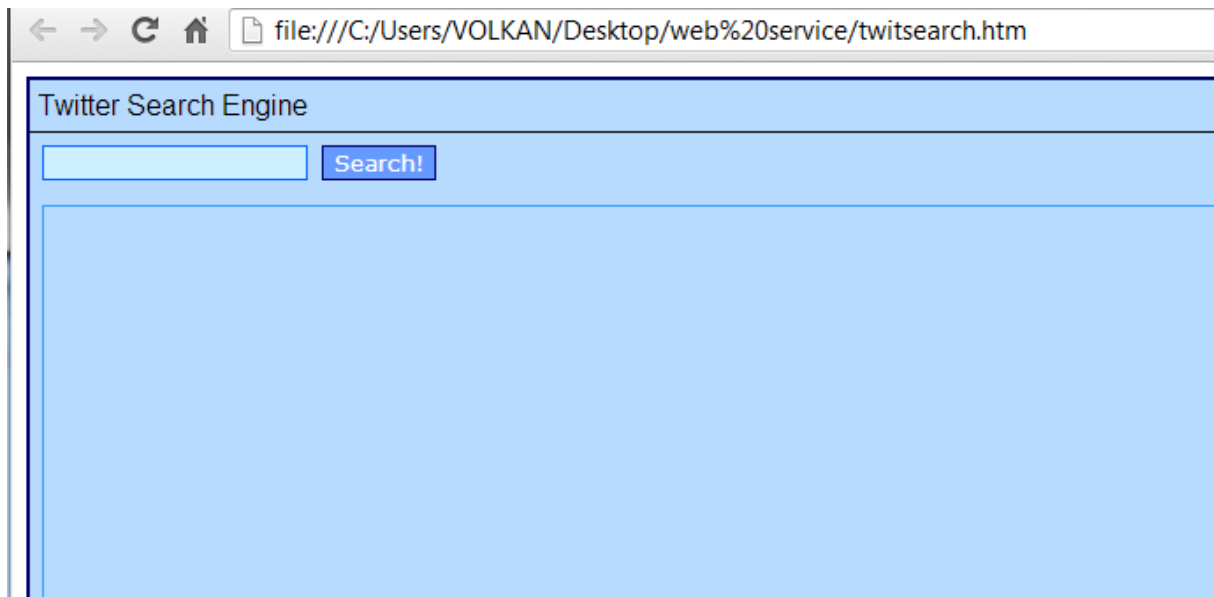
    #submit
    {

        font-family: Verdana;

        background-color: #6699FF;

        border: 1px solid #000066;

        color: #FFFFFF;
    }
```



twSearch.js

I created a variable q for a query . I set the maximum number(rpp) 5 of tweets.

```
var q = document.getElementById('sorgu').value;  
var url = 'http://search.twitter.com/search.json';  
var queryString = '?callback=?&rpp=' + '5' + '&q=' + q;
```

I got the search queries in full.The json objects results are returned.

```
$.getJSON(full, function(data)
```

Jquery functions(\$)

Jquery is java script-based framework.

getJSON function:

This function is used for to get json result. Objects were thrown into data.

```
$.getJSON(full, function(data)
```

The results were reset for each renewal.

```
$('#sonuclar').empty();
```

Requirements are put side by side with the following section.

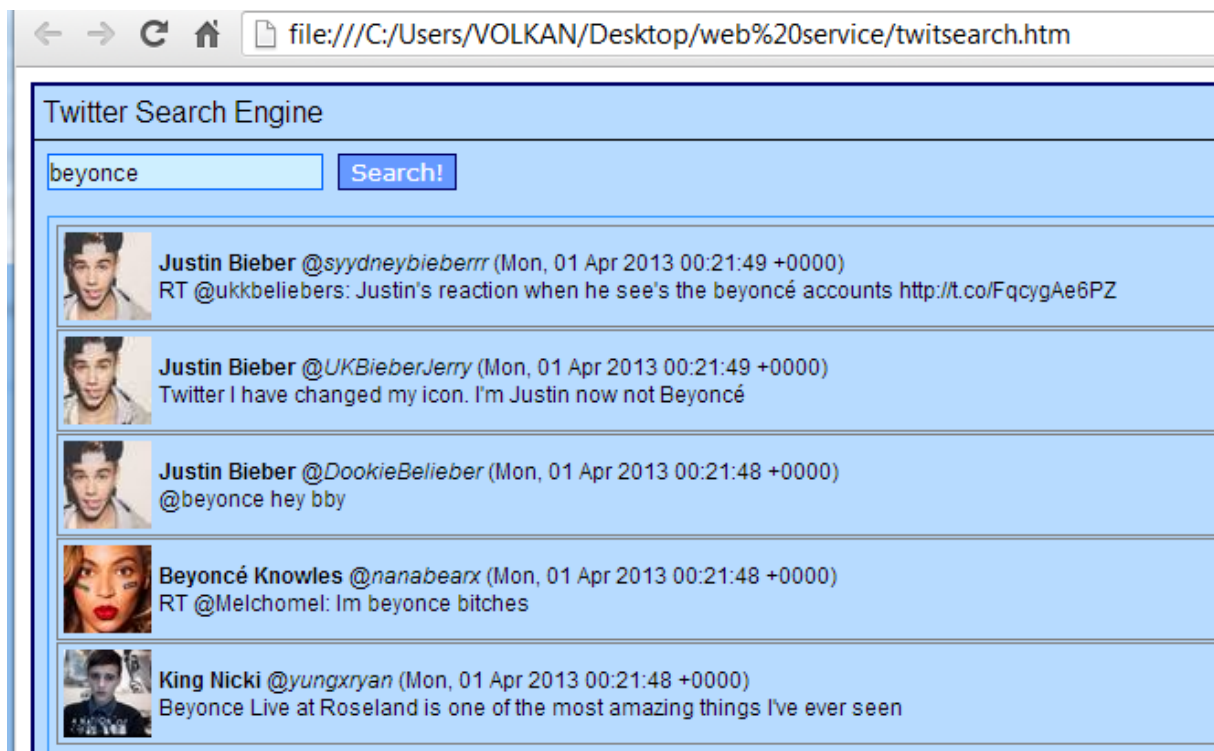
```
var realUserName = '<strong>' + current.from_user_name + '</strong>';  
var userName = '<i>@' + current.from_user + '</i>';  
var profilImage = '';  
var tweetText = '<div class="tweet">' + current.text + '</div>';  
var tweetDate = '<span>' + current.created_at + '</span>';
```

.append jquery function

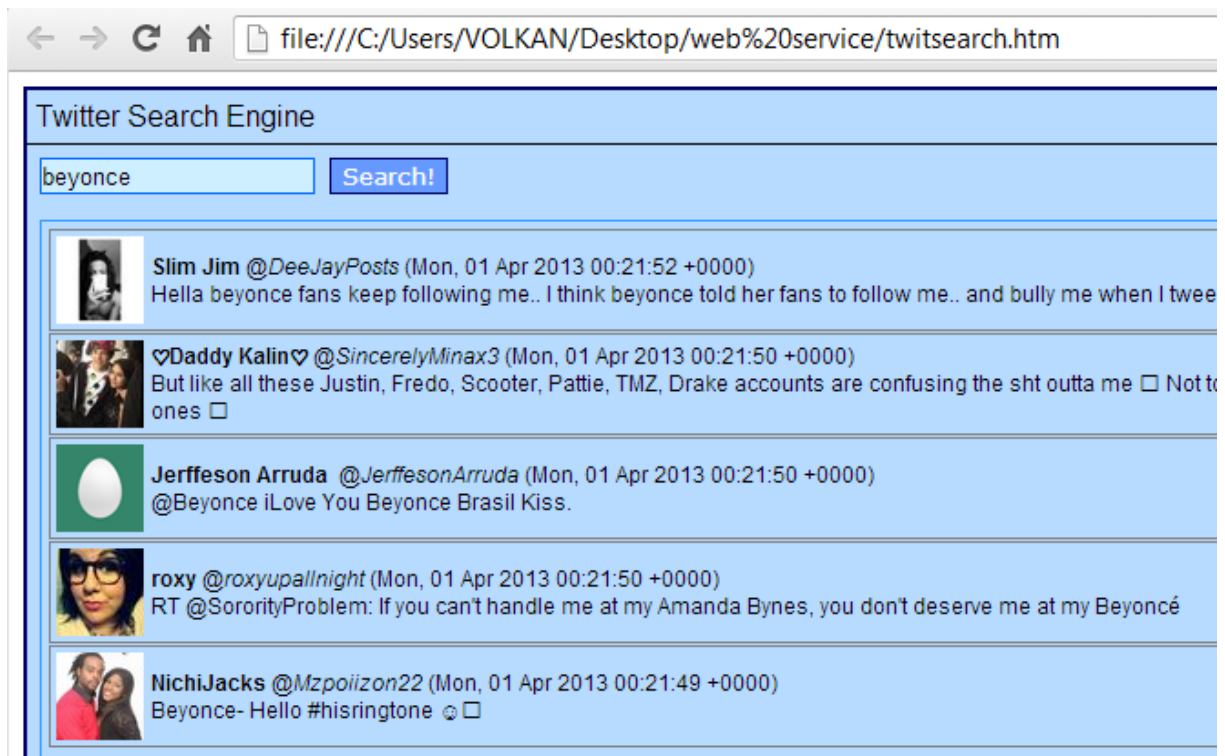
This function printed requirements on the screen.

```
$('#sonuclar').append(tweet_html);
```

Execution



After ten seconds;



<https://github.com/burcak/bil488>