

CS5551 Advanced Software Engineering

Lab Assignment #9

We create a private REST service with mashup of two public API's Flickr photo search and Uclarify.

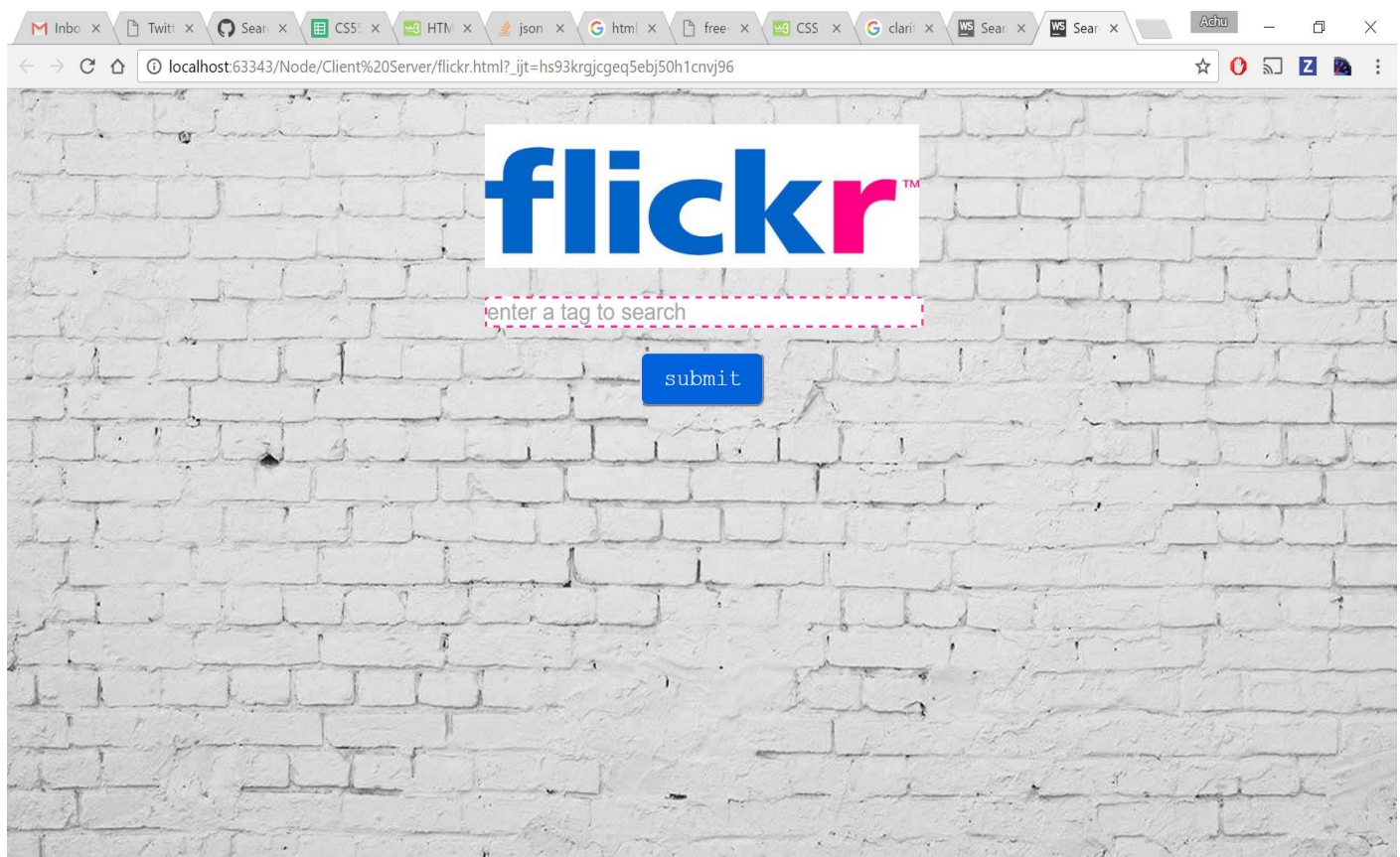
Image search using Flickr: We give keyword to search the images related.

The images which are recently uploaded with that keyword tag are displayed.

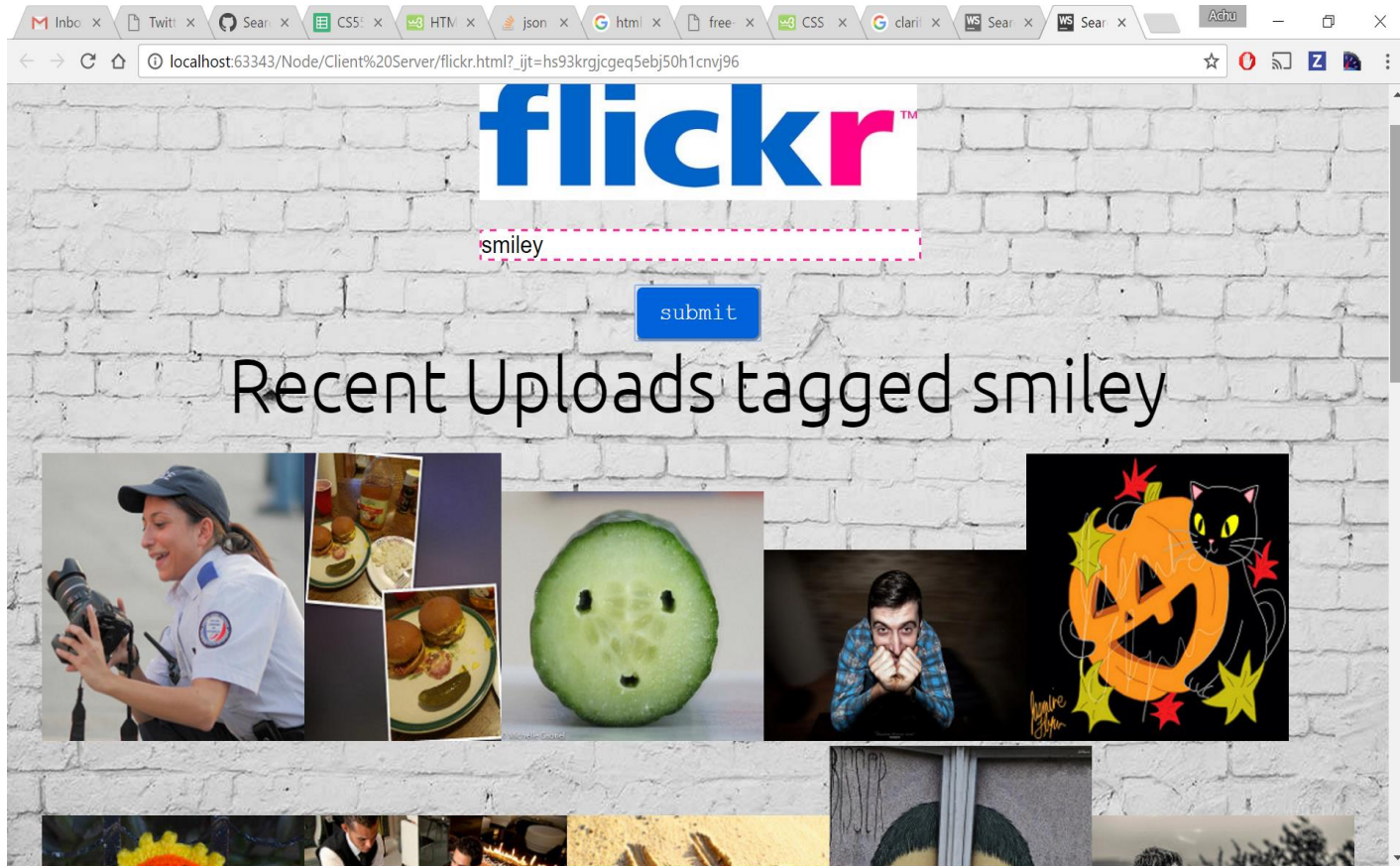
The image is then served as input to Uclarify, which reads the images and gives the keywords related to image.

Screenshots and flow is shown below:

Home screen for Flickr photo search

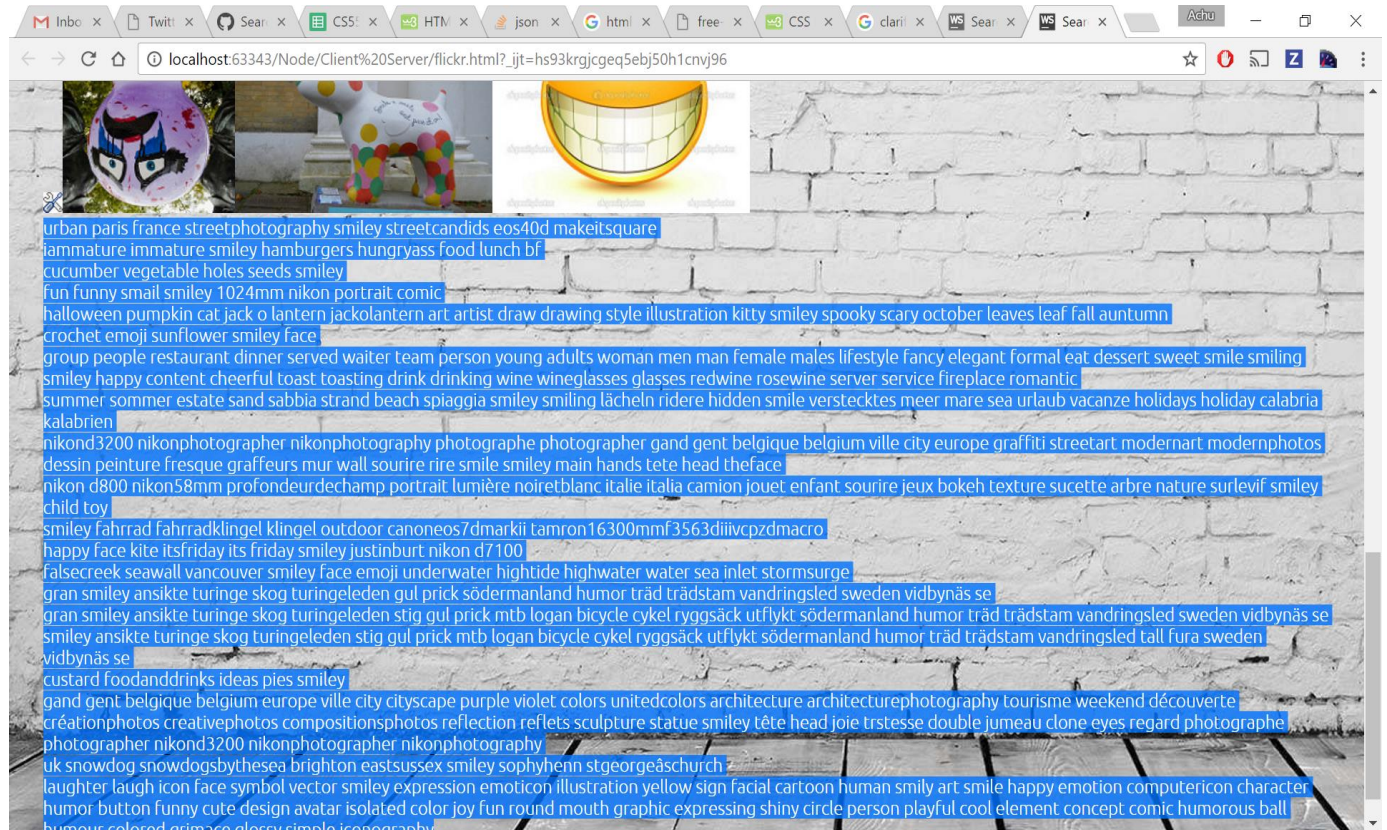


Here we type the keyword Smiley in the search tab:



Some more results tagged with word Smiley





The REST call is made through WebStorm, where we retrieve the JSON data for the images :

Node - [C:\Users\ACHU\Downloads\CS5551_T9-Node JS\CS5551_T9-Node JS\Node] - ...Rest Call\restjs - WebStorm 2016.2.2

File Edit View Navigate Code Refactor Run Tools VCS Window Help

Node C:\Users\ACHU\Downloads\CS5551_T9-Node JS\CS5551_T9-Node JS\Node

Client Server

app.css

app.js

bg.jpg

client.js

demo.html

flickr.html

flickr-logo.jpg

index.html

server.js

```

1 var request = require('request');
2 request('https://api.flickr.com/services/feeds/photos_public.gne?api_key=da4f3d3ccf2f0b9a043094d727af5467&tags=smiley&format=json', func
3 //Check for error
4 if(error){
5     return console.log('Error:', error);
6 }
7
8 //Check for right status code
9 if(response.statusCode !== 200){
10     return console.log('Invalid Status Code Returned:', response.statusCode);
11 }
12 console.log(body);
13 //All is good. Print the body
14 body = JSON.parse(body);
15

```

Run: server.js restjs

```

"C:\Program Files (x86)\JetBrains\WebStorm 2016.2.2\bin\runner.exe" "C:\Program Files\nodejs\node.exe" "C:\Users\ACHU\Downloads\CS5551_T9-Node JS\CS5551_T9-Node JS\
jsonFlickrFeed({
  "title": "Recent Uploads tagged smiley",
  "link": "https://www.flickr.com/photos/tags/smiley/",
  "description": "",
  "modified": "2016-10-26T00:44:06Z",
  "generator": "https://www.flickr.com/",
  "items": [
    {
      "title": "street photography lures everyone",
      "link": "https://www.flickr.com/photos/qmusaget/3956871146/",
      "media": {"m": "https://farm3.staticflickr.com/2567/3956871146_df919d795e_m.jpg"},
      "date_taken": "2009-09-26T19:14:35-08:00",
      "description": " <p><a href='\"https://www.flickr.com/people/qmusaget/\">qmusaget</a> posted a photo:</p> <p><a href='\"https://www.flickr.com/photos/qmu
      "published": "2016-10-26T00:44:06Z",
      "author": "nobody@flickr.com (qmusaget)",
      "author_id": "8497177@N03",
      "tags": "urban paris france streetphotography smiley streetcandids eos40d makeitsquare"
    },
  ],
}

```

Platform and Plugin Updates: WebStorm is ready to update. (today 10:32 AM)

64 chars 2:66 CRLF UTF-8

Run: server.js restjs

```

{
  "title": "When your bf makes himself food, thinking that your hungry ass will be jealous but all I notice is the smiley face",
  "link": "https://www.flickr.com/photos/136050824@N06/30477580631/",
  "media": {"m": "https://farm9.staticflickr.com/8661/30477580631_b706a8f041_m.jpg"},
  "date_taken": "2016-10-25T15:32:40-08:00",
  "description": " <p><a href='\"https://www.flickr.com/people/136050824@N06/\">Tokki &quot;Toquitta&quot; Hong</a> posted a photo:</p> <p><a href='\"https
  "published": "2016-10-25T19:39:48Z",
  "author": "nobody@flickr.com (Tokki \"Toquitta\" Hong)",
  "author_id": "136050824@N06",
  "tags": "iamature immature smiley hamburgers hungryass food lunch bf"
},
{
  "title": "Face of the cucumber",
  "link": "https://www.flickr.com/photos/33196307@N02/30447814692/",
  "media": {"m": "https://farm6.staticflickr.com/5588/30447814692_7e7a2ec91b_m.jpg"},
  "date_taken": "2016-10-18T12:44:27-08:00",
  "description": " <p><a href='\"https://www.flickr.com/people/33196307@N02/\">Mic the otter spotter, going slow</a> posted a photo:</p> <p><a href='\"http
  "published": "2016-10-25T18:54:29Z",
  "author": "nobody@flickr.com (Mic the otter spotter, going slow)",
  "author_id": "33196307@N02",
}

```

Platform and Plugin Updates: WebStorm is ready to update. (today 10:32 AM)

38:9 CRLF UTF-8

References:

- <https://www.flickr.com/services/api/flickr.photos.search.html>
- <https://www.stackoverflow.com>
- Class Tutorial