


HM #4

Max points – 20

To do:

- 1) You need to create your simple Wikipedia using MediaWiki API
Use https://www.mediawiki.org/wiki/API:Main_page
<https://en.wikipedia.org/w/api.php>
- 2) Looks like that

Wikipedia API Search



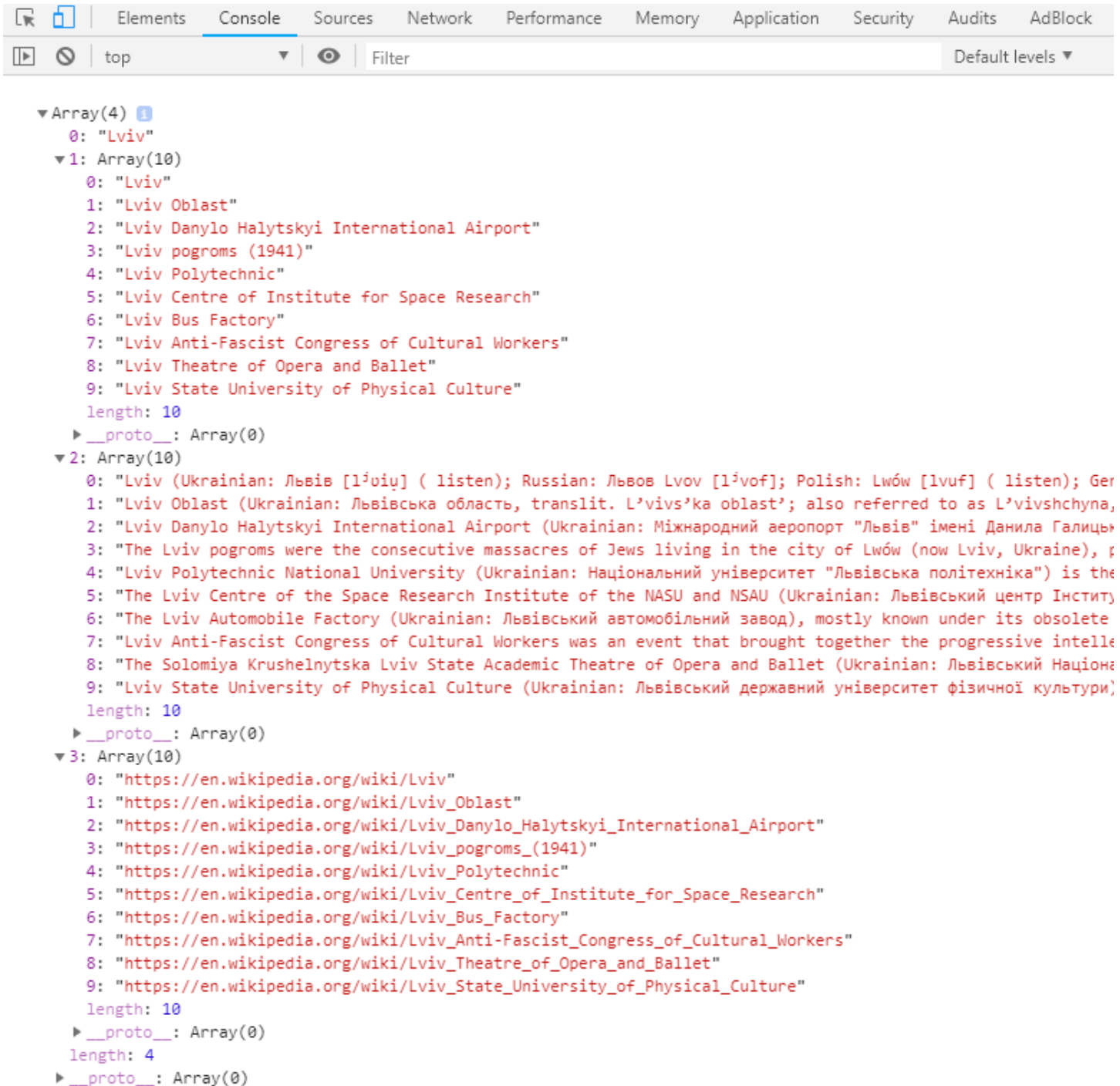
- **Lviv State University of Physical Culture**
Lviv State University of Physical Culture (Ukrainian: Львівський державний університет фізичної культури) is a university specializing in sports education and located in Lviv, Ukraine.
- **Lviv Theatre of Opera and Ballet**
The Solomiya Krushelnytska Lviv State Academic Theatre of Opera and Ballet (Ukrainian: Львівський Національний академічний театр опери та балету імені Соломії Крушельницької) or Lviv Opera (Ukrainian: Львівська опера, Polish: Opera Lwowska) is an opera house located in Lviv, Ukraine's largest western city and one of its historic cultural centers.
- **Lviv Anti-Fascist Congress of Cultural Workers**
Lviv Anti-Fascist Congress of Cultural Workers was an event that brought together the progressive intellectuals of Poland, Western Ukraine, and Western Belarus.
- **Lviv Bus Factory**
The Lviv Automobile Factory (Ukrainian: Львівський автомобільний завод), mostly known under its obsolete name L'vivs'ky Avtobusnyi Zavod (Ukrainian: Львівський автобусний завод, literally "Lviv Bus Factory") was a bus manufacturing company in Lviv, Ukraine.
- **Lviv Centre of Institute for Space Research**
The Lviv Centre of the Space Research Institute of the NASU and NSAU (Ukrainian: Львівський центр Інституту космічних досліджень НАН України та НКА України) is a Lviv branch of the actual institute.
- **Lviv Polytechnic**
Lviv Polytechnic National University (Ukrainian: Національний університет "Львівська політехніка") is the largest scientific university in Lviv.
- **Lviv pogroms (1941)**
The Lviv pogroms were the consecutive massacres of Jews living in the city of Lwów (now Lviv, Ukraine), perpetrated by the German commandos and the Ukrainian nationalists from 30 June to 2 July 1941, and from 25 to 29 July 1941, during the Wehrmacht's attack on the Soviet positions in occupied eastern Poland in World War II.
- **Lviv Danylo Halytskyi International Airport**
Lviv Danylo Halytskyi International Airport (Ukrainian: Міжнародний аеропорт "Львів" імені Данила Галицького) (IATA:
LWO) is an airport serving the city of Lviv, Ukraine.

Each result item must redirect to original Wiki page

3) Code example

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <meta http-equiv="X-UA-Compatible" content="ie=edge">
7      <title>Document</title>
8  </head>
9  <body>
10     <script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>
11     <script>
12
13         $(document).ready(function() {
14             function a() {
15                 let searchTerm = 'Lviv';
16                 let url = "https://en.wikipedia.org/w/api.php?action=opensearch&search=" + searchTerm + "&format=json&callback=?";
17
18                 $.ajax({
19                     type : "GET",
20                     url : url,
21                     async : false,
22                     dataType : "json",
23                     success : function(data) {
24                         console.log(data)
25                     },
26                     error : function(errorMessage) {
27                         alert("Error");
28                     }
29                 });
30             }
31             a();
32         });
33     </script>
34 </body>
35 </html>
```

4) Return data structure



```
▼ Array(4) 1
  0: "Lviv"
  ▼ 1: Array(10)
    0: "Lviv"
    1: "Lviv Oblast"
    2: "Lviv Danylo Halytskyi International Airport"
    3: "Lviv pogroms (1941)"
    4: "Lviv Polytechnic"
    5: "Lviv Centre of Institute for Space Research"
    6: "Lviv Bus Factory"
    7: "Lviv Anti-Fascist Congress of Cultural Workers"
    8: "Lviv Theatre of Opera and Ballet"
    9: "Lviv State University of Physical Culture"
    length: 10
    ► __proto__: Array(0)
  ▼ 2: Array(10)
    0: "Lviv (Ukrainian: Львів [lʲɪvʲ] ( listen); Russian: Львов Lvov [lʲɪvɐf]; Polish: Lwów [lvuf] ( listen); Ger
    1: "Lviv Oblast (Ukrainian: Львівська область, translit. Lʲvivsʹka oblastʹ; also referred to as Lʲvivshchyna,
    2: "Lviv Danylo Halytskyi International Airport (Ukrainian: Міжнародний аеропорт "Львів" імені Данила Галицьк
    3: "The Lviv pogroms were the consecutive massacres of Jews living in the city of Lwów (now Lviv, Ukraine), &
    4: "Lviv Polytechnic National University (Ukrainian: Національний університет "Львівська політехніка") is the
    5: "The Lviv Centre of the Space Research Institute of the NASU and NSAU (Ukrainian: Львівський центр Інститу
    6: "The Lviv Automobile Factory (Ukrainian: Львівський автомобільний завод), mostly known under its obsolete
    7: "Lviv Anti-Fascist Congress of Cultural Workers was an event that brought together the progressive intell
    8: "The Solomiya Krushelnytska Lviv State Academic Theatre of Opera and Ballet (Ukrainian: Львівський Націона
    9: "Lviv State University of Physical Culture (Ukrainian: Львівський державний університет фізичної культури)
    length: 10
    ► __proto__: Array(0)
  ▼ 3: Array(10)
    0: "https://en.wikipedia.org/wiki/Lviv"
    1: "https://en.wikipedia.org/wiki/Lviv_Oblast"
    2: "https://en.wikipedia.org/wiki/Lviv_Danylo_Halytskyi_International_Airport"
    3: "https://en.wikipedia.org/wiki/Lviv_pogroms_(1941)"
    4: "https://en.wikipedia.org/wiki/Lviv_Polytechnic"
    5: "https://en.wikipedia.org/wiki/Lviv_Centre_of_Institute_for_Space_Research"
    6: "https://en.wikipedia.org/wiki/Lviv_Bus_Factory"
    7: "https://en.wikipedia.org/wiki/Lviv_Anti-Fascist_Congress_of_Cultural_Workers"
    8: "https://en.wikipedia.org/wiki/Lviv_Theatre_of_Opera_and_Ballet"
    9: "https://en.wikipedia.org/wiki/Lviv_State_University_of_Physical_Culture"
    length: 10
    ► __proto__: Array(0)
  length: 4
  ► __proto__: Array(0)
```

5) You **must** use the next technologies:

- Bootstrap (<https://getbootstrap.com/>) – 5 points
- JQuery (<https://jquery.com/>) – 5 points
- Webpack (<https://webpack.js.org/>) or grunt (<https://gruntjs.com/>) or gulp (<https://gulpjs.com/>) – 5 points
- Sass (<https://sass-lang.com/>) or Less (<http://lesscss.org/>) – 5 points

6) Not need to use PHP

- 7) You can use NodeJS (<https://nodejs.org/en/>) and npm (<https://www.npmjs.com/>) or yarn (<https://yarnpkg.com/en/>)
- 8) Separate CSS to different file with name style.css
- 9) Put .js files in to js folder
- 10) If need, link fonts via: <https://fonts.google.com/> or download and put it to separate folder
- 11) If need, create gitignore (<https://git-scm.com/docs/gitignore>) file. Not need to commit *node_modules* folder. It is a bad practice.
- 12) Create README file and explain how to set up your project. For example:

📖 README.md

A simple audio player!

How to start?

1. Download this repo
2. Open play.html
3. Choose sound
4. Relax and listen music

Stack:

```
JS
jQuery
HTML5 Web Audio API
CSS
Bootstrap
```

You can:

1. Add sounds from you PC
2. Delete sounds
3. Create own playlist
4. Watch on nice visualization

P.S. Project contains folder with sounds

- 13) Notice <https://developer.mozilla.org/en-US/docs/Web/HTTP/CORS>
- 14) If you do not understand webpack or grunt or gulp: <http://scout-app.io/>
- 15) Provide some page screenshots
- 16) Commit and push your HM4 folder with all files to the new **hm4** branch

That is all.

Good luck.