

Programming Test Assignment - Hadjer hamaidi

Simple Javascript program that return 5 latest stories on Time's.com when is called as an API:

Given url : <https://time.com>

Parsing HTML from the url without using any libraries and only with javascript.

For That to be possible, I use Fetch API, which allows by default to use the GET method with only simple call in the code below:

```
fetch('https://time.com') // this will call the fetch function passing
the url of the API as a parameter
.then((response) => response.text()) // a function that return the
parsing HTML of the given url page
.then((text) => console.log($('ol > li'))); // Using chrome devtools,
I could search for "The Latest 5 Stories"
```

In the second part of the code, I created a variable called "latestStories" that will collect data from the parsing HTML part "ol > li", this data is now used to create a JSON object array with title and link.

```
var latestStories = $('h2 > a')
var tempObj = [];
for(i=18; i<23; i++)
{
    tempObj[i]={title:"", link:""};
    tempObj[i].title=latestStories[i].innerText;
    tempObj[i].link=latestStories[i].href;
}
```

And Here is the JSON object array with latest 5 stories:

```
[
  {
    "title": "A New HBO Documentary Tells the Story of a Young Black Man Killed in Brooklyn 31 Years Ago. Activists Lament How Little Has Changed Since Then",
    "link": "https://time.com/5879097/yusuf-hawkins-storm-over-brooklyn-racism/"
  },
  {
    "title": "Trump Blocks Postal Funding to Thwart Mail Voting",
    "link": "https://time.com/5879267/trump-postal-service-mail-voting/"
  },
  {
    "title": "Trump Opposes Postal Money That Would Help Vote-by-Mail",
    "link": "https://time.com/5879334/trump-vote-by-mail-usps-funding/"
  },
  {
    "title": "Mayors Worry Operation Legend Is About Politics, Not the Law",
    "link": "https://time.com/5878817/operation-legend-mayors-albuquerque-chicago-kansas-city/"
  },
  {
    "title": "Atlanta Mayor Wants Georgia to Roll Back Reopening",
    "link": "https://time.com/5879027/keisha-lance-bottoms-time-100-coronavirus/"
  }
]
```