

# Lab: HTTP and REST

Problems for in-class lab for the ["JS Front-End" course @ SoftUni](#).

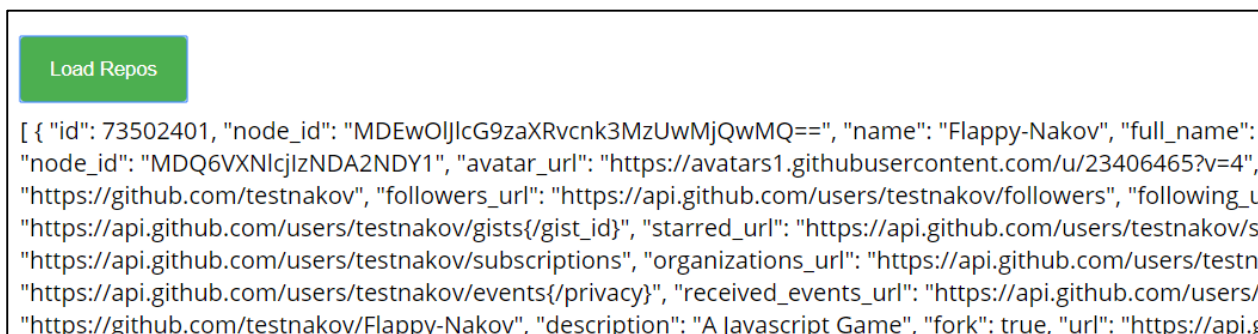
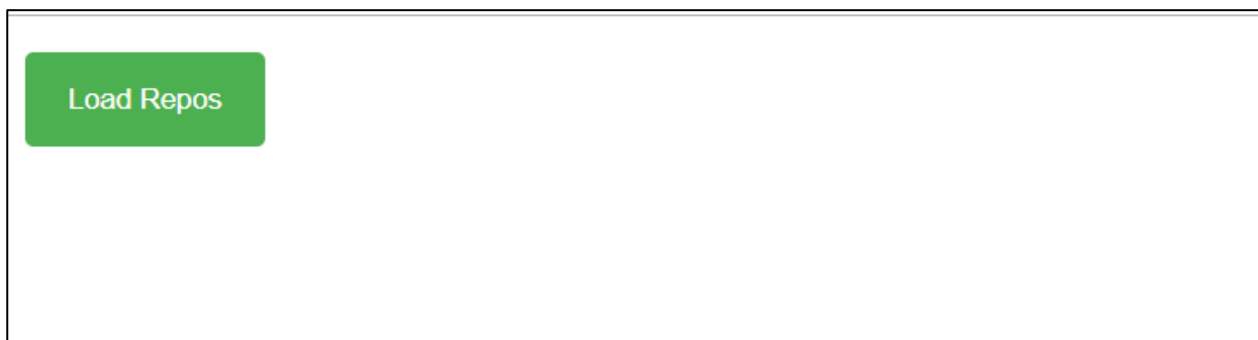
## 1. GitHub Repos

Your task is to **write** a JS function that **loads** a github repository **asynchronously with AJAX**. You should **use the Fetch API**. Obtain the data by making a **GET** request to the following URL:

**"https://api.github.com/users/testnakov/repos"**

Transform the **body** to **text** with **res.text()** and in the second **then()** block of the **Promise** replace the text content of a **div** element with **id "res"** with the value from the response. **Do not format** the response in any way.

### Examples



## 2. Github Repos By Username

Your task is to **write** a JS function that **executes** an **AJAX** request with **Fetch API** and loads all user **github repositories** by a given username (taken from an input field with **id "username"**) into a **list** (each repository as a **list-item**) with **id "repos"**. Use the properties **full\_name** and **html\_url** of the returned objects to create a link to each repo's GitHub page. If an **error** occurs (like 404 "Not Found"), **append** to the list a list-item with **text** the current instead. Clear the contents of the list before any new content is appended. See the **highlighted lines** of the skeleton for formatting details of each list item.

## Examples

GitHub username:  Load Repos

- [{repo.full\\_name}](#)

GitHub username:  Load Repos

- [k1r1L/Angular-2-Demos](#)
- [k1r1L/Angular-Sli.do](#)
- [k1r1L/awesome-interview-questions](#)
- [k1r1L/CSharp-Web-Development-Basics](#)
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## 3. Github Commits

Write a JS program that loads all commit messages and their authors from a github repository using a given HTML.

The `loadCommits()` function should get the **username** and **repository** from the HTML textboxes with IDs "username" and "repo" and make a **GET** request to the **Github API**:

**`https://api.github.com/repos/<username>/<repository>/commits`**

Swap **<username>** and **<repository>** with the ones from the HTML:

- In case of **success**, for **each** entry add a **list item** (**<li>**) in the **unordered list** (**<ul>**) with **id** "**commits**" with text in the following format:  
"**<commit.author.name>**: **<commit.message>**"
- In case of an **error**, add a single **list item** (**<li>**) with text in the following format:  
"**Error: <error.status> (Not Found)**"

## Screenshots:

GitHub username:

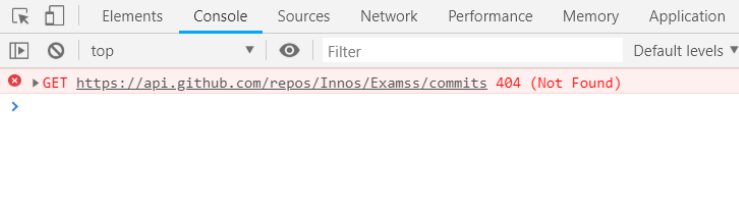
Repo:

- Svetlin Nakov: Delete Console.Cin.v11.suo
- Svetlin Nakov: Create LICENSE
- Svetlin Nakov: Update README.md
- Svetlin Nakov: Added better documentation

GitHub username:

Repo:

- Error: 404 (Not Found)



The screenshot shows a web browser with the 'Console' tab open. It displays a red error message: 'GET https://api.github.com/repos/Innos/Examss/commits 404 (Not Found)'. The browser's address bar shows the URL 'https://api.github.com/repos/Innos/Examss/commits'.