**AJAX**

**DEADLINE:** 03/04/2018

**FOLDER STRUCTURE**

homework\_06/

   └─ index.html

   └─ css/

└─styles.css

   └─ js/

        └─ task1.js

        └─ task2.js

**TASK 1**

Define object “http” with two methods “get” and “post”.

Method “http.get” should take url: string on input and return Promise based on async XMLHttpRequest. Promise should resolve XMLHttpRequest response or reject XMLHttpRequest error.

Method “http.post” should take url and requestBody on input and return Promise based on async XMLHttpRequest. Promise should resolve XMLHttpRequest response or reject XMLHttpRequest error.

**TASK 2**

Create webpage with input field, where user should enter ip address and “track ip” button.

When user clicks “track ip” reuse your http.get method to retrieve json with location of the entered ip address from <https://ipapi.co> api. Display response from api on the page view and add “validate response” button.

When user clicks “validate response” button reuse your “http.post” method and send json from ipapi api to validation server: <https://shrouded-garden-94580.herokuapp.com/>. Display response of the validation server on the page view.

Loading animation must be shown during requests. Design of the webpage is up to you.

**RESTRICTIONS**

* Do not use fetch API in this hometask, you should use XMLHttpRequest to define your own promise-based methods

**BEFORE SUBMIT**

* Be creative
* Make sure your post request is successfully validated by validation server

**USEFUL LINKS**

* <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise>
* <https://developer.mozilla.org/en-US/docs/Web/API/XMLHttpRequest>
* <https://ipapi.co/api/>
* url of the validation server: <https://shrouded-garden-94580.herokuapp.com/>