

Assignment #4 – (You can work in pairs) Due Nov. 20, 2015

Objective: Practice using JSONP and Web APIs. Program code is JavaScript/jQuery client-side; Node.js programming is not needed.

- You are to develop a JavaScript web application *API_Logger* (shown below). The application executes JSON API requests (using jQuery) specified by the user and then show the HTTP reply (header and data); at the same time, *if the reply code is 2XX*, the reply (plus the input Get/Post data) is saved (logged) [using **MongoLab API**] to a Mongo DB hosted by MongoLab.
- Clicking the button “Show Log” should fetch the MongoDB collection and show it as an HTML table within the “output” div. **This should filter by “API Name” (if not empty).**
- The DB collection consists of the following text fields:
api_name, desc, url, method, data, reply.

Note: the *reply* is stored in DB as *lines for reply headers <empty line><replybody>*. It is rendered in HTML as table cell (<td>) that contains a fixed height scrollable div.

- To use MongoLab API, you need to register for a “free” account and get your account’s API key; read info. at <http://docs.mongolab.com/data-api/>
- Submit your work as an e-mail message with an HTML file attachment by Nov. 7, 2014.
- **Important Note:** In your logged data, in addition to Flickr, include examples for some other interesting Web API such as *Page2Image* API (**Slide#55 in Ajax lecture**). **If an API Key is needed then it is specified as part of Get/Post input data.**



