Coding Challenge

Description

Given below RESTful API (the response structure is described by a JSON Schema in **Server_Statistics_Response_Def.json**, refer to this file in the containing folder),

- Retrieve a set of data records of **<serverID>** between **<starttime>** and **<endtime>**:
    - GET: /server_stat/**<serverID>**?from=**<starttime>**&to=**<endtime>**

1. Design and implement one chart component to visualize the time series fields of the response.
    a. The chart component should be configurable (title, marker's color and axis labels)
    b. The chart component should be able to visualize the data in 2 forms (Line and Bar)
    c. The chart component should be able to update the visualization in real-time with new response from server side. (live charts)
2. Show your working components in one page with the best look and feel that you can come up with.
3. Create a simple instruction on how to run your work.

The toolset to use is limited:

    Javascript, CSS, HTML, jQuery, jQuery-mockjax, lodash, Bootstrap and D3.js

Instruction to Run the API Demo:

1. Make sure you have NodeJS (v4.x.x and above) installed globally on your machine. Find the detailed installation instruction from https://nodejs.org/en/
2. Open any command-line prompt you know on your machine, set the current directory to the app/ folder.
3. Run "npm install"
4. When the installation is finished, run "npm run start" and open "localhost:8000" in your browser.