HACETTEPE UNIVERSITY
DEPARTMENT OF COMPUTER
SCIENCE & ENGINEERING

BBM488 - WEB Services Laboratory
Experiment 1

Subject: JSON
Submission Date: 20.03.2013
Due Date: 01.04.2013
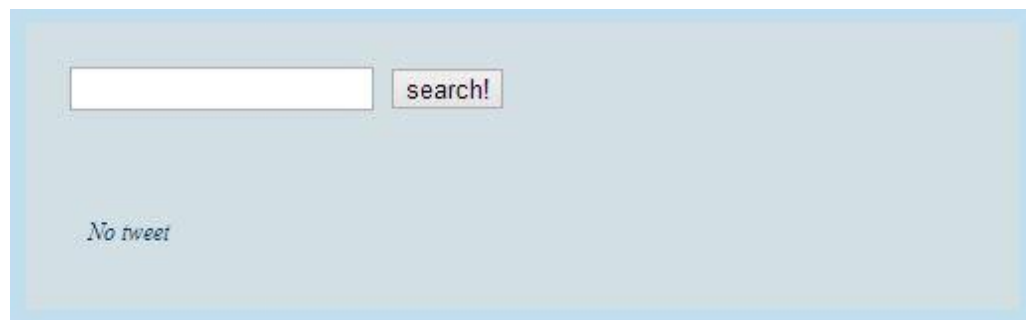Teaching Assistants: Öner BARUT, Alaettin UÇAN,

Introduction / Aim:
The aim of this experiment is to create a web page using JSON.

Details:
Develop a web page using the search engine of Twitter. In this experiment, you will learn how to develop a web page using JSON. You should use HTML, CSS, JavaScript, Ajax, DOM and JSON.

In this experiment you are expected to do the following steps.

- Search tweet screen.
    - User can search multiple words in Twitter database (only in public tweets – no need for authentication).
    - User should press a search button to perform a query of tweets.

- Search results screen
  - Your page should list newest 5 tweets of the result.
  - Tweet list should be refreshed in every 10 seconds.
  - You should use JSON, HTML and CSS to visualize your page.
  - Your page design should be pleasing to the eye.
  - Tweet list should have profile image, real user name, user nickname, tweet date, and tweet content.

You should develop a web page and write a report. You should open a GitHub account and upload your page to your repository (after submission deadline) and write your GitHub link to your report.

You should explain detailed work flow of your web page including tweet querying and visualizing steps in your report. You should also express your intent and way of using the mentioned technologies.

Submit Format

epx1.zip/

       report/*.pdf (report of project)

       src/*.zip (source code of project)

NOTES AND RESTRICTIONS:

1- You tell us your project with your own words. Report language should be in English.

2- You are expected to do this experiment on a soft copy as a report.

3- Your experiment should be submitted before due date. Late submissions will not be accepted

4- The assignment should be original, **individual** work. Modified experiments will be considered as cheating.