# Department of Computing

**CS-344: Web Engineering**

**Class:** BSCS-5 AB

# Lab 07: jquery & JSON

**Date: April 13, 2017**

**Time: 1000-1300 & 1400-1700**

# Instructor: Dr. Asad Ali Shah

# Lab Engineer: Qasim Ali Khan

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# Lab 07: jquery & JSON

### Introduction:

jQuery is a widely used and well-known library for JavaScript which helps in rapid web development. Most of the modern websites use jQuery as a tool to implement and control client side dynamic behavior of the websites. Students have learned basic and advanced concepts of jQuery and JSON during lectures. This lab will help them to further understand these concepts by practically using them.

### Lab Objectives:

The objective of this lab is helping students to familiarize themselves with basic and advanced concepts of jQuery & JSON by practically implementing them in given scenarios. The knowledge students have gained in the lectures will help them to develop and control dynamic behavior of web pages.

### Tools:

Dreamweaver, notepad, notepad++, sublime text, browser.

### Helping Material:

W3Schools: <https://www.w3schools.com/js/default.asp>

jQuery API: <http://api.jquery.com/>

jQuery Cheatsheet: <https://oscarotero.com/jquery/>

json : https://www.w3schools.com/js/js\_json\_syntax.asp

### Lab Task

### Task 1

Create a combo box listing 3 countries including Pakistan, India and USA. Upon selecting a particular country, another combo box appears and shows the list of stats/provinces belonging to that country. Perform this task using AJAX/jQuery and JSON. Create a array using JSON that comprises of states for each particular country.

**Task 2:**

Create a drop down menu but this time using jQuery instead.

**Important:** Upload you html, CSS, JS & jason files along with the solution.

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| Solution |
| Screenshot of web page  HTML Code |

### Deliverables

Compile a single word document by filling in the solution part , Description and submit this Word file on LMS. You must include your name, ID, and class on first page. The lab grading policy is as follows: The lab is graded between 0 to 10 marks. For some of the labs, students have to present their solutions in a viva session. In case of any problems with submissions on LMS, you should contact your lab engineer Mr. Qasim Ali Khan by email at [qasim.khan@seecs.edu.pk](mailto:qasim.khan@seecs.edu.pk).