

# Web Design

## CA-2

**Date Given:** 5<sup>th</sup> April 2017

**Date Due:** 26<sup>th</sup> April 2017

**Assignment Weight:** 35%

---

### **Description**

In your first assignment, you were tasked with developing a website for a business. The technologies which were used focused around basic HTML/CSS. During this process you would have seen that attempting to make a website look good can be a difficult task.

To make our websites more interactive, JavaScript can help us. In the lectures, we talked about JavaScript and the benefits that libraries such as jQuery UI have during the development process.

The business owner of the business you built the website for, has asked you to take the website a step further, and create an online ordering system which will allow customers to purchase products (be it hotel rooms, or gifts, or whichever industry you are working for).

The business owner has specified that he would like it to be as flashy as possible, and utilise all of the JavaScript technologies that are currently available.

# Assignment Specifics

This assignment is broken down into Pass / Merit / Distinction categories. If you attempt the Merit and Distinction elements, you will get a higher grade. The Distinction category is only for the Ninjas who want to get an **A** grade.

## Pass Grade [20%]

- When a customer is on your website, they should see a “buy it now” link which will bring them to a separate page called “**order.html**”.
- The page which is opened should have fields which will allow the user to enter in the name, home address, contact information and email address.
- The user can then specify what date they would like the service/product using a **jQuery UI Calendar**.
- Each of the different sections of the page (order information, contact information, delivery information) should be logically broken apart using the **jQuery UI Accordion**
- For each of the different fields which the user is typing in their information, **jQuery UI Tooltips** should be added to inform the user about the type of information which should be entered into the field they are working with. This is similar to help information for each field.
- When the user clicks the **jQuery UI “Submit” button** at the bottom, a **jQuery UI Dialog message** should pop up which will say “your order has been placed”. The user should then be redirected to the “Order Complete” page.

### **Merit [7%]**

To make the process of searching for different products on the website a little bit easier. A search box should be added to the top right hand corner of the index page.

This search box must use a **jQuery UI AutoComplete** to automatically suggest 5 different products to the user. Each of these five different products must have

- a) Product title
- b) Product Description
- c) Product Icon

For more information on this task, see the following demo link:

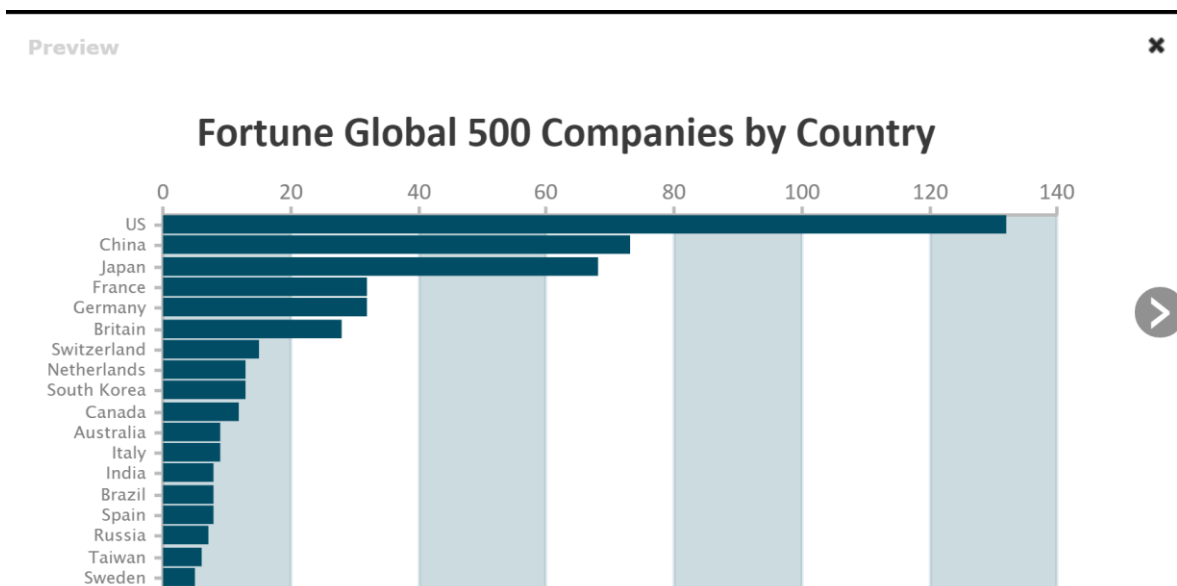
<https://jqueryui.com/autocomplete/#custom-data>

## Distinction - Bar Chart [8%]

The business owner is very proud of how well his business is doing and would like to have an additional page added to the website titled “**success.html**” this page should be linked to from the index.html page of the website.

On this page, a bar chart should be added which provides information about five different products which have been selling really well (pick 5 random products, and make up 5 different pretend sales numbers!) and add them to the bar chart.

The bar chart looks like this:



Sample Data for a hotel might look like this:

Deluxe Room (500)

Reg Room (100)

Dinner (50)

Breakfast (100)

For a sample of this bar chart working, head over to the following link:

[http://canvasjs.com/editor/?id=http://canvasjs.com/example/gallery/bar/fortune500\\_companies\\_country\\_wise/](http://canvasjs.com/editor/?id=http://canvasjs.com/example/gallery/bar/fortune500_companies_country_wise/)

**Download from:** <http://canvasjs.com>

For full marks, you must get this bar chart working on your page, with your own custom data!

## **Note**

- This is an individual assignment, if you submit another student's work, both will get a zero grade
- Late submissions will lose 5% of the grade per day
- No code can be taken off the Internet, all work must be your own.
- No Content Management Systems e.g., Wordpress can be used for this assignment.