

Web Programming

CA3 - jQuery/Ajax Autocomplete form

Weighting: 25%

Completion and Moodle Upload Deadline: 2nd March, 2018

This is an **individual** assignment.

Brief

You are required to create a registration form which will let a user select their country, county and town. This CA should use jquery & jquery-ui to implement ajax calls to populate Country, Region and Sub-Region inputs and prompt the user using a mix of auto-completion and select options.

The provided database has countries, counties (i.e. regions) and towns (i.e. sub-regions). The resulting page will be tested for Ireland, a county and a specific town in the selected county – e.g. Ireland, Louth, Dundalk.

NOTE: The database is not complete so some countries may return no sub-regions.

Requirements

There are 3 major requirements:

1. A '**Country**' text input which will auto-complete using ajax and lets the user select one of the predicted countries.
2. Upon selecting the Country:
 - a. a previously hidden text input is displayed. This text input, which will auto-complete using ajax, lets the user select one of the predicted '**counties**' (i.e. sub-regions) of the selected country.
 - or
 - b. a previously hidden dynamically populated <select> input is displayed. The select input should be populated with '**counties**' (i.e. sub-regions) of the selected country.
3. Upon selecting the County a previously hidden dynamically populated <select> input is displayed. This select input will allow the selection of the '**town**'.

When the form is 'submitted', the selections should be displayed. It is expected that the work will be of a high standard and professional looking in looks, coding practice and ingenuity. A database is provided on moodle containing the country / county / towns of Ireland.

Sample Forms:

Address Form

Name:

Surname:

Street Line 1:

Street Line 2:

Country:

County:

Town:

Send Cancel

Address Form

Name:

Surname:

Street Line 1:

Street Line 2:

Country:

County:

Town:

Send Cancel

There are a lot of tutorials on this topic available however remember the coding needs to be your own work. Comment your code in detail explaining your understanding its operation.

Marking scheme

1. Country auto-completion text feature 10%
2. County auto-completion text or <select> feature 5%
3. Town <select> feature 5%
4. Wow-Factor:- Looks, code, comments, 5%