

COMP4021

Internet Computing

Assignment 1

jQuery Autocomplete

Project Requirements

- ▶ Basic function 20%
- ▶ Scrollable results 10%
- ▶ Categories 30%
- ▶ Multiple Values 40%

Reference

- ▶ Starting code
 - starting_code.html
 - [jquery-1.11.3.js](#) , [jquery-ui.js](#)
 - jquery-ui.css, style.css
- ▶ You have to use the given data array (input_data) in the starting_code.html as the data to be shown in the autocomplete widget.
- ▶ Reference dataset
 - <http://www.countries-list.info/Download-List>
- ▶ Useful resource:
 - <https://jqueryui.com/autocomplete/>

Basic Functionality

- ▶ Provide suggestions while you type into the field.
 - +3 marks – suggestions will not be shown when the search keyword length is less than 2.
 - +5 marks – when type in *an*, all labels in the data array that contain *an anywhere* in the label should be shown as autocomplete suggestions.
 - +6 marks – **all the matched substring** in each suggestion should be shown in italic, underline and color blue. E.g. User types in ‘tab’, ‘database tables’ will be shown.
 - +6 marks – when a suggestion is focused by pressing the key “down/up” or mouse over the suggestion, the suggestion text should be larger than the other suggestions. More precisely, the focused suggestion should have font size 16px.

Extended Function: Scrollable Results

- ▶ +10 marks can scroll through the results vertically. Horizontal scroll bar is never shown.

Extended Function: Categories

- ▶ +10 marks display items under its category.
+10 marks display **the category name in red color.**
- ▶ +10 marks categories cannot be focused or selected.

Extended Function: Multiple Values

- ▶ +30 marks can achieve this function
 - +10 marks we can input multiple terms. For each term, the autocomplete function works
 - +10 marks all the input terms should be displayed in the input box
 - +5 marks the text in the input text box doesn't change when navigating the suggestion menu by pressing key "down/up" or mouse over the option.
 - +5 marks passing the key "tab" as well as the key "enter" will select the suggestion that is currently focused, then the input text box displays the selected suggestions with a comma (",") appended for each selected suggestions, then start the next search. **Note that, the input text box should still be focused after a suggestion is selected.**

Extended Function: Multiple Values

- ▶ +10 marks for every input term, can fulfill all the requirements as mentioned before.
 - Category display
 - Matched substring
 - Remaining string
 - etc

Search: annttop C13, anders, ss|

People

anders andersson

andreas andersson

Some output examples

► Search:

(Suggestion menu is not shown
before the search keyword is not
long enough)

► Search:

General

[an](#)ders

[an](#)dreas

[an](#)tal

Products

[an](#)nhhx10

[an](#)nk K12

[an](#)nttop C13

People

Some output examples

Search: an|

General
[an](#)ders
[an](#)dreas
[an](#)tal

Products
[an](#)nhhx10
[an](#)nk K12
[an](#)nttop C13

Search: an|

Products
[an](#)nhhx10
[an](#)nk K12
[an](#)nttop C13

People
[an](#)ders [an](#)dersson
[an](#)dreas [an](#)dersson
[an](#)dreas johnson
barders [an](#)tal

→
Select the suggestion by pressing
key "tab" or "enter" or mouse click.

Search: annttop C13, |

↓
Continue the search

Search: annttop C13, ss|

People
anders andersson
andreas andersson

Submission

- ▶ Deadline: 23:59 Jul 01, 2018 (SUN)
 - If you submit after the due date, your score will be penalized by 20% for each day after the due date.
 - Submissions are rejected 2 days after the due date.
- ▶ Submit your project through CASS system
- ▶ Format of submissions
 - Put all the files into a single zip file.
 - Filename: StudentID_Name_proj1_comp4021.zip

Grading

- ▶ Grading Environment
 - The project will be checked in **Chrome** browser.
- ▶ **Readme** File
 - If you are using Firefox browser(**IE is not accepted**), specify it in the **Readme** file.