#### 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', 'da<u>tab</u>ase <u>tab</u>les' 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

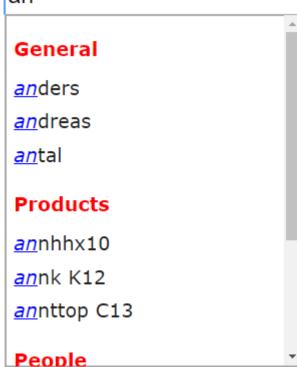


## Some output examples

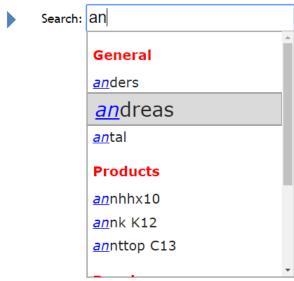
Search: a

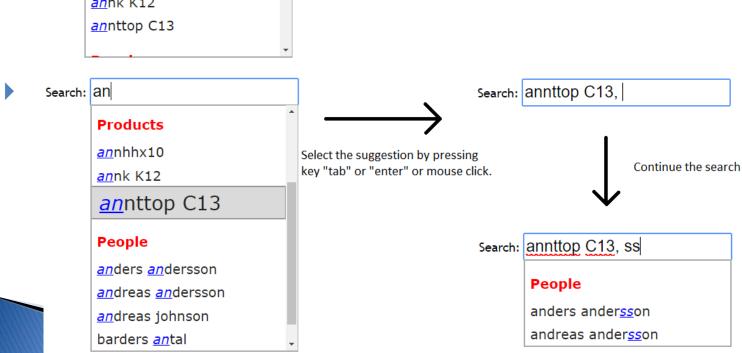
(Suggestion menu is not shown before the search keyword is not long enough)

Search: an



## Some output examples





#### 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.