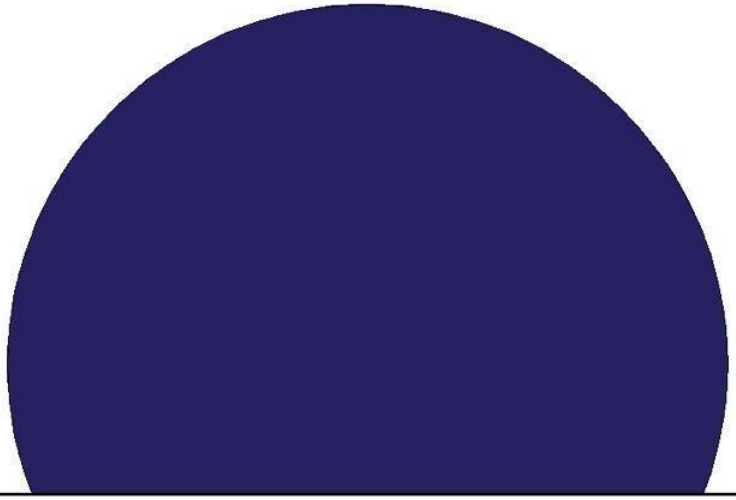

UI Work-sample: Location Facet

Version: 1.0 R2

Released: Monday, April 04, 2017

You are required to implement a Location Widget which will be used in an application as a control to enable and disable datasets used for generating reports/charts.

The widget should look as in Image-1, and have following actions and controls:

1. Be able to list locations (i.e. City and Country separated by -) in alphabetical order.
2. Provide the ability to filter the list using a search box.
3. Have an alphabetical letter index on the right hand side. Each character should be clickable and should scroll the list to the first item starting with that letter.
4. Upon clicking icon  the widget should be minimised as shown in Image-2
5. Upon clicking icon the widget should be collapsed as shown in Image-3
6. Upon clicking icon  the widget should be returned to normal form as in Image-1
7. Upon clicking icon  the widget should be returned to normal form as in Image-1

DELIVERABLES

Source code:

1. A committable and working solution with source code
2. Source code should be zipped and shared either on email or a shareable google drive link. (**Do not share the solution or put the code on GitHub or other code sharing system**)
3. Readme file detailing steps to configure
4. Any dependency on a separate application or a server should be listed. This means that any external dependency installed via a package manager should not be included in the deliverable. (that will increase size of the shared zip)

Project Documentation should include:

1. Any assumptions made.
2. Suggest any additional parameters that could be additionally taken as input to improve the accuracy of the solution.
3. State any improvements that you would like to make if more time was available for implementation.

EVALUATION

Your submission will be evaluated on completing all the items specified in the deliverables list. Once the submission is made, we will arrange a follow up discussion to understand from you the solution itself and ask any question that comes out of the submission you make.

IMPORTANT INFORMATION:

To make evaluation accurate and less time consuming please take note of the following.

1. **Framework:** You can use any JS framework of your preference , or use vanilla JS. Framework won't be part of the evaluation. Make sure to use a framework you feel more confident with.
2. **Excessive usage of UI libraries**: While there are many UI toolkits, and it is good to use them, we want to see how you code and achieve a solution. Usage of this is allowed but discouraged to use them in excess for this WS.

3. **Documentation:** Please document the code where necessary and document it just enough. Excessive documentation is worse than no documentation.
4. **Summary:** Please explain how to build and execute the code. How and what inputs to be passed and where output can be seen. A general execution flow will also be good for the evaluator to understand the solution that is being provided. As mentioned above, this needs to be just enough to make evaluation effective and avoid excessive documentation.

unit tests with a minimum of 80% code coverage.

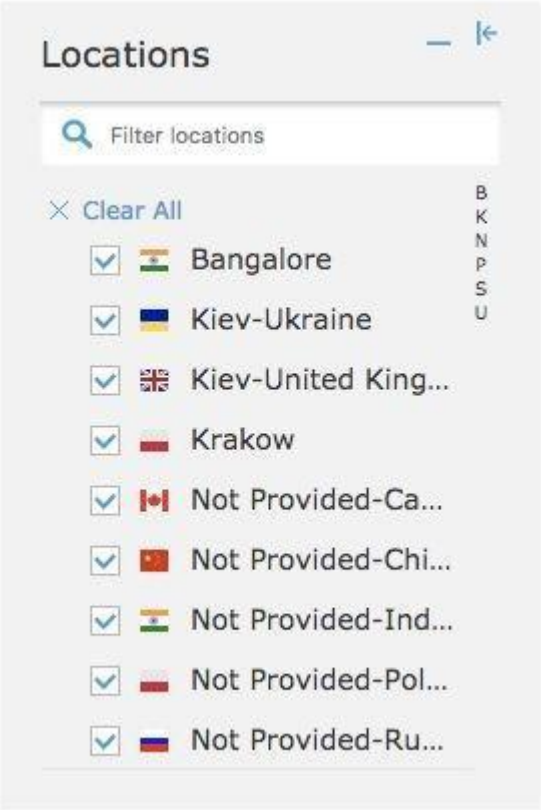

Image-1: Widget in normal form

Image-2: Widget minimised

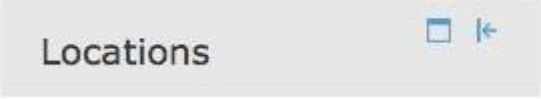

Image-2: Widget collapsed form