

Demo Script for MarkLogic Search Demo App

1. Start the app through calling node .\bin\www in the root directory of the node.js app.
The App shows some real state for sale, in this case houses. Before the App starts it makes its first query to the database to get information how many Documents are in the db. The query sorts the documents through the content of the field: 'state' in the documents. This is called a facet search. You can see there are 2 Documents for Florida, 3 Documents for Oregon and Washington available.

Available States:

[Florida 2](#) [Oregon 3](#) [Washington 2](#)


2. Now you can click on one of the states to execute another type of query, which is called a "filed search query". In this case you get back all documents which have the selected state in the field: 'state' in their documents.

Available States:


[Florida 2](#) [Oregon 3](#) [Washington 2](#)

Search Results for a Field Search from Facet: "Florida"

Oasis retreat in a magical home

Details: Price: 675000 \$ Lot: 1500 State: Florida Bedrooms: 3 Baths: 3	Address: City : 98199 Miami Street : 634 Northeast 71st Street Show comment Feature List:▼	
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exquisitely designed residence

Details: Price: 1900000 \$ Lot: 3840 State: Florida Bedrooms: 5 Baths: 4	Address: City : 33133 Miami Street : 51 Shore Drive West Show comment Feature List:▼	
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3. If we take look at marked input field below the “Facets”

Available States: [Florida](#) 2 [Oregon](#) 3 [Washington](#) 2

Enter Search String for a Keyword Search [Search](#)

Enter Search String for a Keyword Search with Ordering by Relevance [Search](#)




Here you can enter a search string to make a keyword search to the database. This query also sorts the result according to the price field in the documents. An example would be a search for a home with fireplace and pool so you can enter the Search phrase like this : “fireplace AND pool”. As you can see, the results are sorted by the price tag.

Available States: [Florida](#) 2 [Oregon](#) 3 [Washington](#) 2

Enter Search String for a Keyword Search [Search](#)

Enter Search String for a Keyword Search with Ordering by Relevance [Search](#)


Search Results for a Keyword Search: "fireplace AND pool"

lake front home with private deck		
Details: Price: 52500 \$ Lot: 2897 State: Oregon Bedrooms: 3 Baths: 3	Address: City : 97367 Lincoln City Street : 1280 Northeast Lake Drive Show comment Feature List:▼	
Oasis retreat in a magical home		
Details: Price: 675000 \$ Lot: 1500 State: Florida Bedrooms: 3 Baths: 3	Address: City : 98199 Miami Street : 634 Northeast 71st Street Show comment Feature List:▼	
exquisitely designed residence		
Details: Price: 1900000 \$ Lot: 3840 State: Florida Bedrooms: 5 Baths: 4	Address: City : 33133 Miami Street : 51 Shore Drive West Show comment Feature List:▼	

4. The second input field is also for executing a keyword search but in this case the results are sorted by relevance. I also implemented to get the relevance statistics for the retrieved documents into the app. This is very great for searches to be automatically sorted by relevance by the MarkLogic Database. Let's have look at the results for the same query we used in the query before: "fireplace AND pool".


Search Results for a Keyword Search: "fireplace AND pool"

exquisitely designed residence

Details: Price: 1900000 \$ Lot: 3840 State: Florida Bedrooms: 5 Baths: 4	Address: City : 33133 Miami Street : 51 Shore Drive West Show comment Feature List: ▾	
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Relevance Statistics:
Confidence: 0.3061952 Score: 12288 Fitness: 0.887026

lake front home with private deck

Details: Price: 52500 \$ Lot: 2897 State: Oregon Bedrooms: 3 Baths: 3	Address: City : 97367 Lincoln City Street : 1280 Northeast Lake Drive Show comment Feature List: ▾	
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Relevance Statistics:
Confidence: 0.2706409 Score: 9600 Fitness: 0.7840276

Oasis retreat in a magical home

Details: Price: 675000 \$ Lot: 1500 State: Florida Bedrooms: 3 Baths: 3	Address: City : 98199 Miami Street : 634 Northeast 71st Street Show comment Feature List: ▾	
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Relevance Statistics:
Confidence: 0.2651728 Score: 9216 Fitness: 0.768187

5. If you want to examine the four different kinds of query, which are used in the app you should take a look at the file "MVSearchModule.js" in the routes directory of the node Project.
6. That is it for Now. Thank you for your attention.