Demo Script for MarkLogic Search Demo App

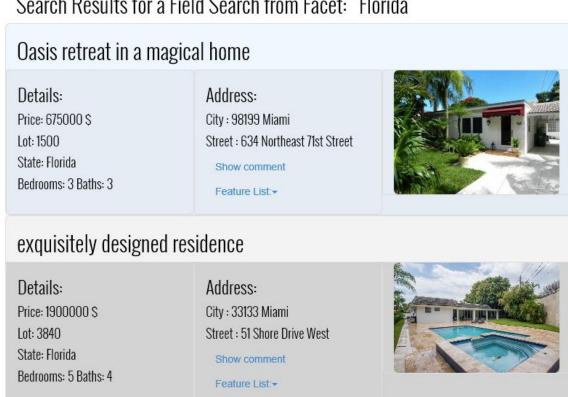
1. Start the app through calling node .\bin\www in the root directory of the node.js app. The App shows some real state for sale, in this case houses. Before the App starts it makes its first query to the database to get information how many Documents are in the db. The query sorts the documents through 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.



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.



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



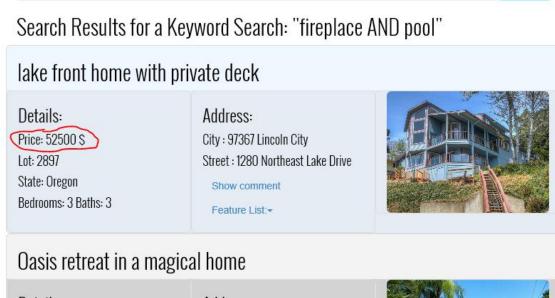
3. If we take look at marked input field below the "Facets"

Available States: Florida 2 Oregon 3 Washington 2 Enter Search String for a Keyword Search Enter Search String for a Keyword Search with Ordering by Relevance

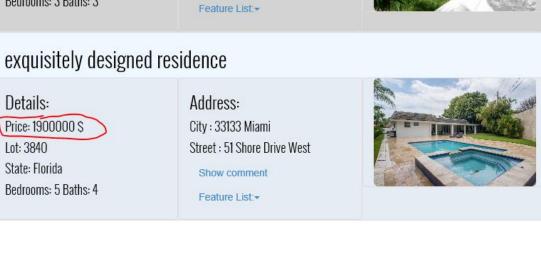
Here you can enter a search string to make a keyword search to the database. This query also sorts the result according to the price field in the documents. An example would be a search for a home with fireplace and pool so you can enter the Search phrase like this:

"fireplace AND pool". As you can see, the results are sorted by the price tag.









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: Address: Price: 1900000 S City: 33133 Miami Lot: 3840 Street: 51 Shore Drive West State: Florida Show comment Bedrooms: 5 Baths: 4 Feature List: * Relevance Statistics: Confidence: 0.3061952 Score: 12288 Fitness: 0.887026 lake front home with private deck Details: Address: Price: 52500 S City: 97367 Lincoln City Lot: 2897 Street: 1280 Northeast Lake Drive State: Oregon Show comment Bedrooms: 3 Baths: 3 Feature List: + Relevance Statistics: Score: 9600 Confidence: 0.2706409 Fitness: 0.7840276 Oasis retreat in a magical home Details: Address: Price: 675000 S City: 98199 Miami Lot: 1500 Street: 634 Northeast 71st Street State: Florida Show comment Bedrooms: 3 Baths: 3 Feature List: -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.