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## 1 User Stories For Advanced Asset Browsing

We would like to extend the asset browser to do some meta-data based search. Implementation details aside, the user stories should be something like this:

### 1.1 User Wants all (Columnar) Data with A Given Column

The user wishes to search for any data set which contains a given column, for concreteness, say this column is called "QSSCAT".

The asset browser now contains an additional text field hinted with "query."

**Browse Assets**

Search...

Query...

Any Asset Type ▾

Any Access ▾

Any Site ▾

Any Request State ▾

Reset Search

test54StdName  
ID: test54stdid  
Description: test adding asset by user

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2021-05-13

The user types `columns :has QSSCAT` and when the search completes any columnar data with such a column is returned. In an ideal world the first and third part of the above query would be auto-completed from a list of known columns.

## Browse Assets

Search...	
columns :has QSSCAT	
Any Asset Type	▼
Any Access	▼
Any Site	▼
Any Request State	▼
Reset	Search

### 1.2 User Wants all Columnar Data with a given value in a given column

In this slightly more complex case the user wishes to find all columnar data with both a given column and a given value in that column.

They enter a query like `columns :has QSSCAT :and QSSCAT :has "PROMIS Sleep Disturbance"`

## Browse Assets

Search...	
columns :has QSSCAT :and QSSCAT :has "PROMIS Sleep Disturbance"	
Any Asset Type	▼
Any Access	▼
Any Site	▼
Any Request State	▼
Reset	
Search	



test54StdName  
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The result set contains only data sets which have that column and in which that column contains the value expected.

### 1.3 User Wants data with at least one column

They enter `columns :has QSSCAT :or ~columns :has QSSTRESC`

## Browse Assets

Search...	
columns :has QSSCAT :or columns :has QSSTRESC	
Any Asset Type	▼
Any Access	▼
Any Site	▼
Any Request State	▼
Reset	
Search	



test54StdName  
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The results are those data sets with either column.

### 1.4 User wants data with at least one column but doesn't want to type as much

The user types `columns :has QSSCAT :or QSSTRESC` which has the same result as above.

These minimal features are sufficient to form complex queries over the meta-data data-model described in the "Data Model" document.