Assesment

Task 1: UI Assesment

Build a general dynamic table filter component that generates a filter query object in a specific format and consume it to filter a table with static data

Step 1: Create a UI table component with the following columns

- Pretty Name: Name , Type: string, key: name
- Pretty Name: Screen Name, type: string, key: screen_name
- Pretty Name: Followers Count, type: number, key: followers_count
- Pretty Name: Following Count, type: number, key: following_count
- Pretty Name: Location, type: string. key: location
- Pretty Name: Verified, type: boolean, key:verified

This table should take the filter in the following format and filter the table contents accordingly

STEP 2: Build a filter component that generates the filter query

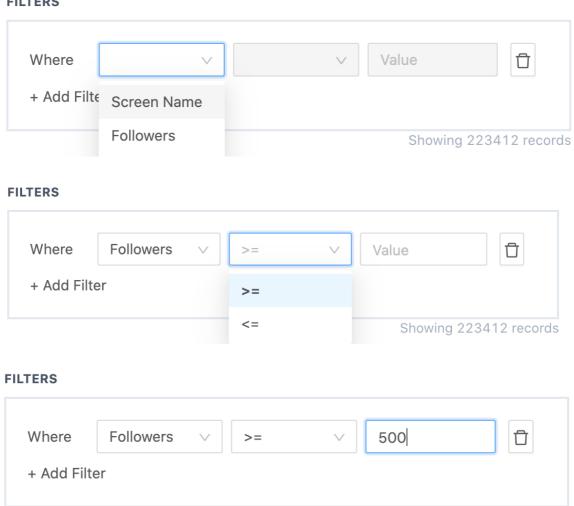
• In this filter it should be possible to add any number of entries by hitting the add

FILTERS



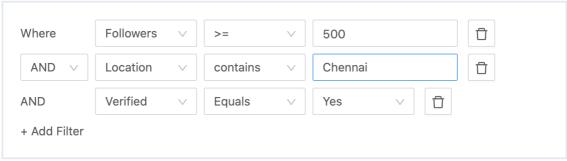
• And in each should be able to add column name, operator and value

FILTERS



• In the second filter entry you should be able to add a filter (AND / OR) and it should propagate in the subsequent filters

FILTERS



Showing 223412 records

In the above diagram, the first column has Where, AND/OR as explained.

The second column (Drop Down) is the pretty name of the list of columns in the table.

The third column is the operator column, where the corresponding operator's pretty name for the second column is picked from the dropdown

The final column is a is a text box for all other types and dropdown for boolean fields with pretty names Yes and No for true and false as dropdowns

Filters:

list of operators for each table column type

string:

key: CONTAINS, Pretty Name: Contains

number:

key: GTE, Pretty Name: >=

key: LTE, Pretty Name: <=

boolean:

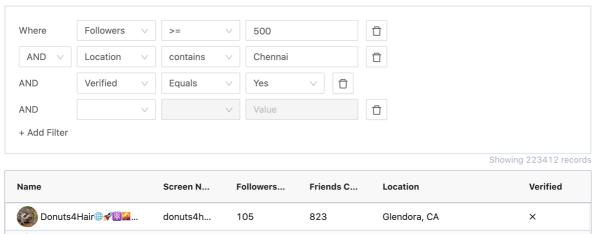
· key: EQ, Pretty Name: Equals

Note that all displays in the HTML should hold the pretty name but the query should hold only rhe keys and not the pretty name

Sample Output:

Ps. No need of the profile image

FILTERS



Name	Screen N	Followers	Friends C	Location	Verified
Donuts4Hair@#886	donuts4h	105	823	Glendora, CA	×
Aditya Thakkar	adityatha	5	139	Toronto, ON	×
Bilal Tariq	Beehtrix	1274	733	Dubai x Toronto	×
Taylor Jorden	TaylorJor	20	787	Boulder, CO	×
Mevrouw de Vries	Mevrwde	1	70	Nederland	×
Belvin Montgomery	MichaelH	60	791		×