

## D3 Relationship Map Feature Requirements

We are implementing a data visualization to support a custom application written in Angular 2. We currently have an alpha functioning (see appendix) but need to refine this and add features. The application is used on an iPad in a proprietary “shell” app with content displayed in a “webUI” view similar to Cordova.

The following is a list of required features.

1. Refine display of map nodes and links. Improve the styling to more closely match the design treatment and to apply link style based on link type.
2. Improve layout of “groups” to look less grid like. There will be secondary and maybe tertiary links between Main nodes that will be added to the data set. This will impact layout considerations.
3. Add tap events to nodes that will launch overlay popup with details about the node. The code for the detail will be supplied as an Angular2 component.
4. Provide for pinch/zoom capabilities. When zooming in, the map should add detail information, for example text next to the node, when the zoom level is appropriate (similar to how Google Maps fill in detail when possible).
5. Add animation to changes to map when filter are applied. Specifically, redraw in a smooth, pleasing way when the data set changes.
6. Improve placement of text when in zoom view to be more readable ( see Filtered View 2 for the problem)
7. Make sure the drawing of link lines occurs in a “good” way in all possible filter views. Since the data is dynamic, the goal is to prevent bad overlap of links and nodes if possible. This will be an evolving requirement based on your assessment.

Please provide hour estimates for each of the 6 features above and a timeframe for completion.

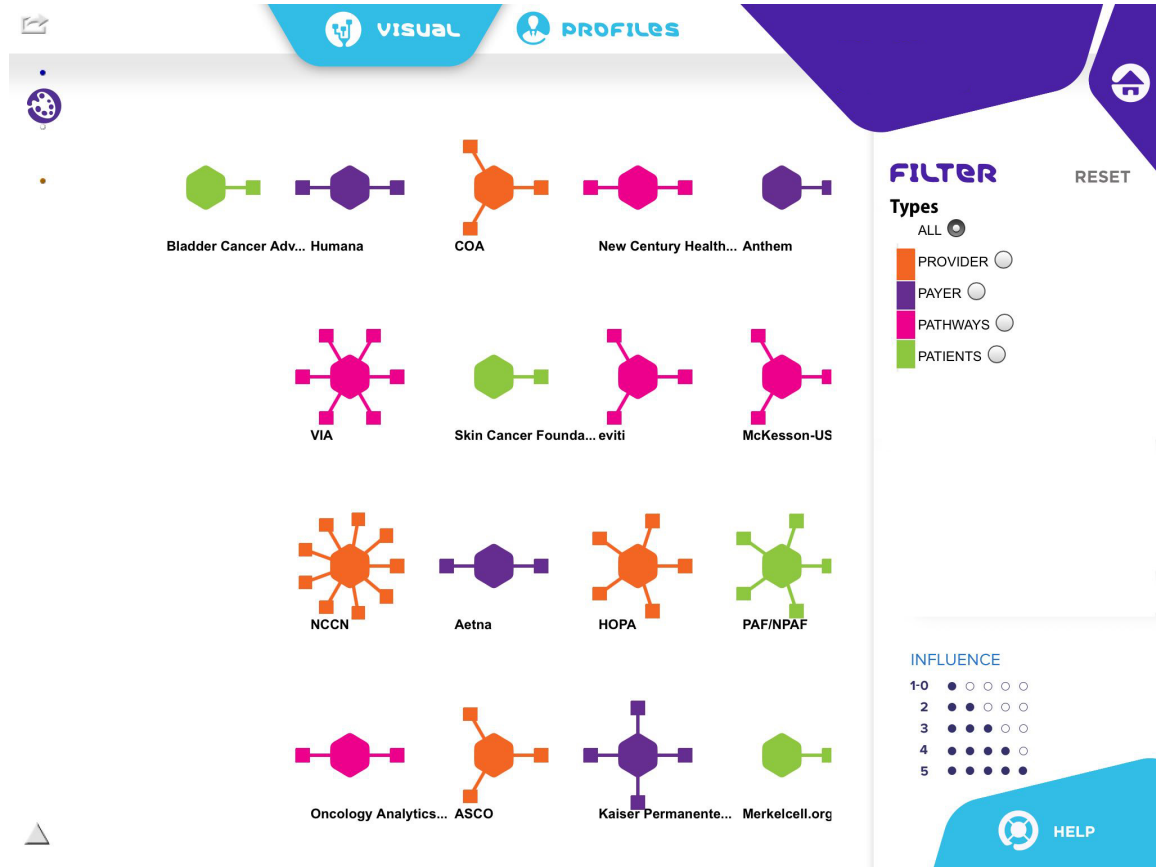
Thanks,

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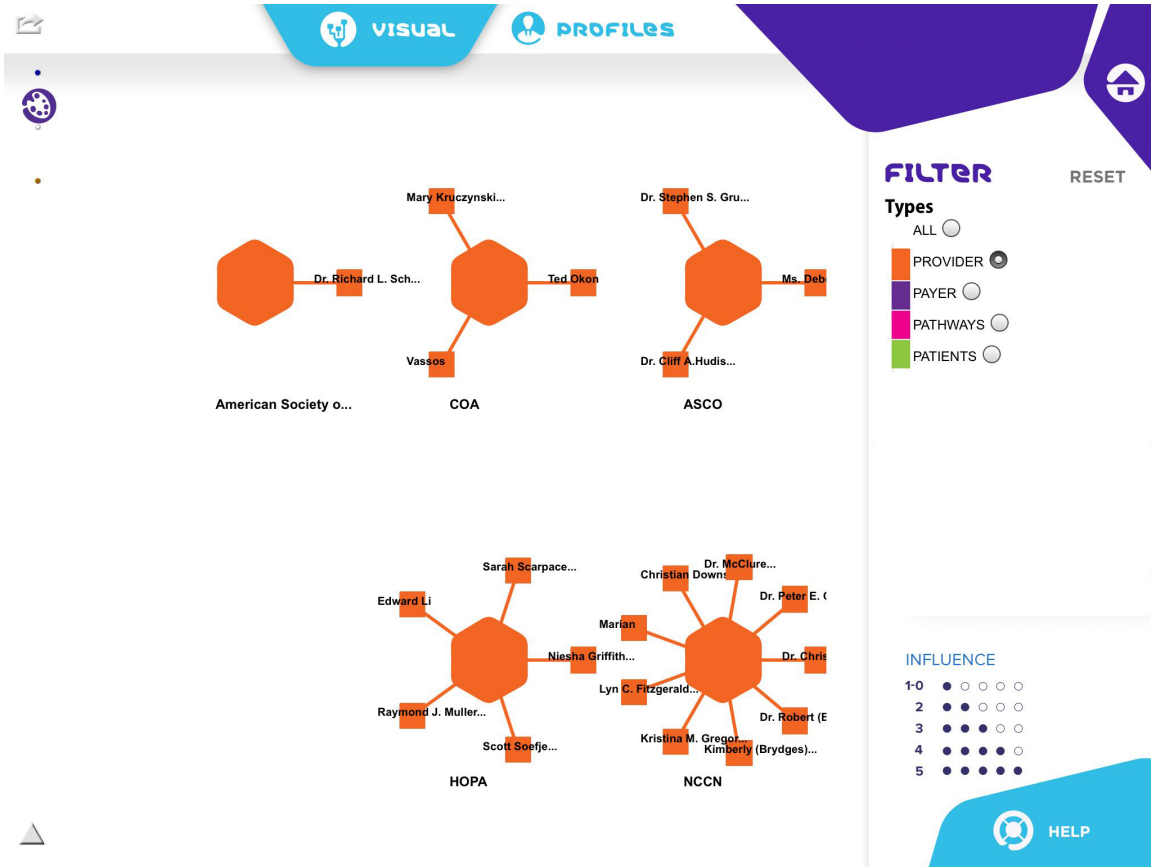
# Appendix

The images below show current state of map:

Unfiltered view



Views with filters applied:  
Filter 1



# Filter 2

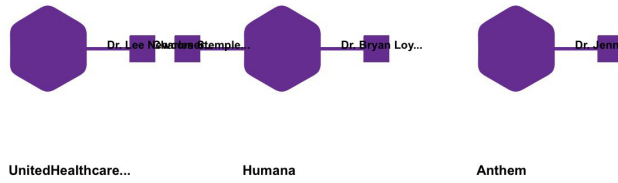


VISUAL

PROFILES



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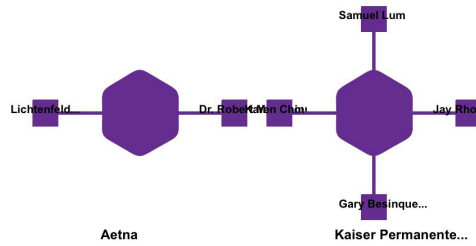


## FILTER

RESET

### Types

- ALL
- PROVIDER
- PAYER
- PATHWAYS
- PATIENTS



### INFLUENCE

- 1-0 ● ○ ○ ○ ○
- 2 ● ● ○ ○ ○
- 3 ● ● ● ○ ○
- 4 ● ● ● ● ○
- 5 ● ● ● ● ●



HELP