Andrew Zoric

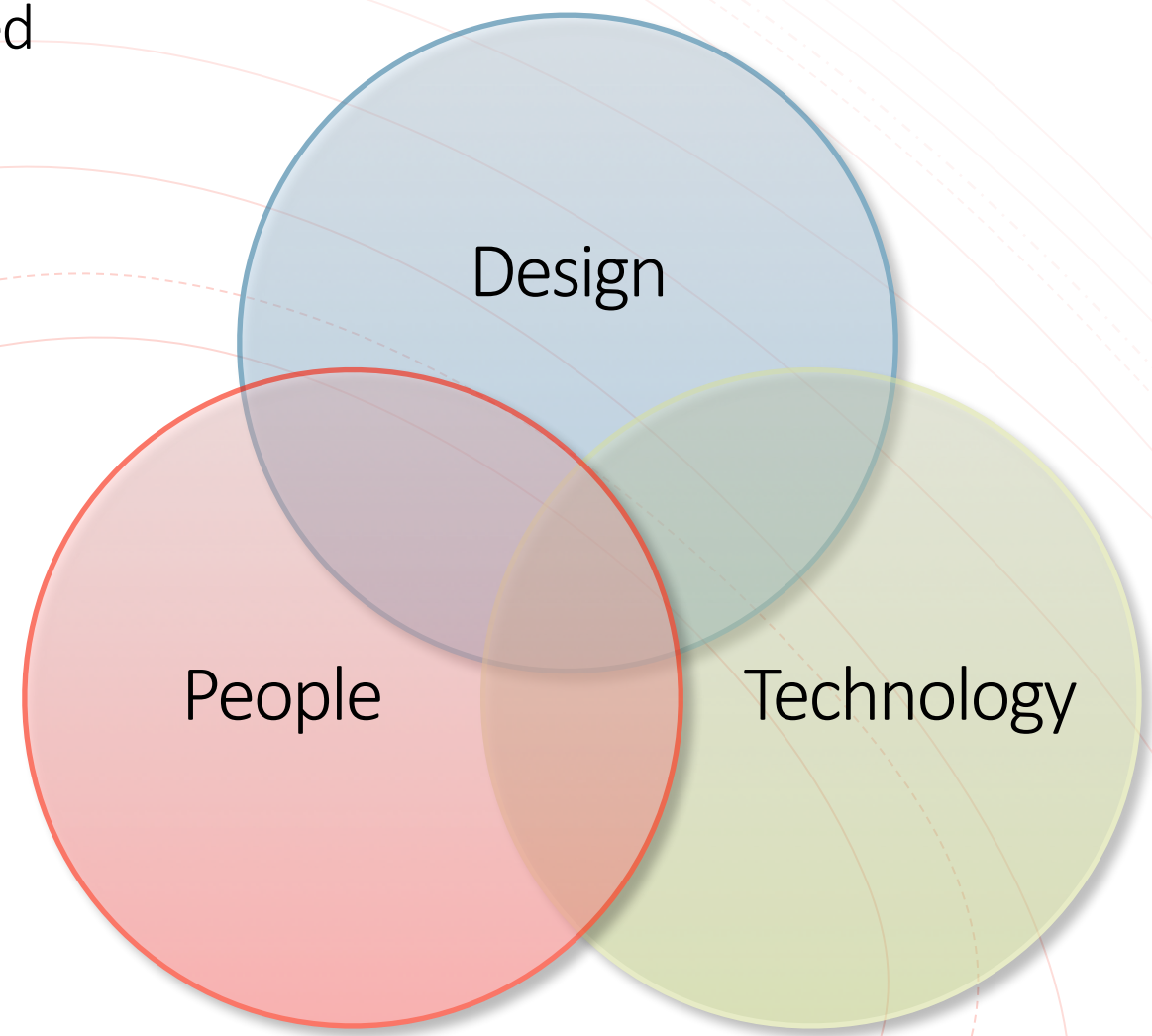
UI/UX Portfolio

Part I

UX Philosophy

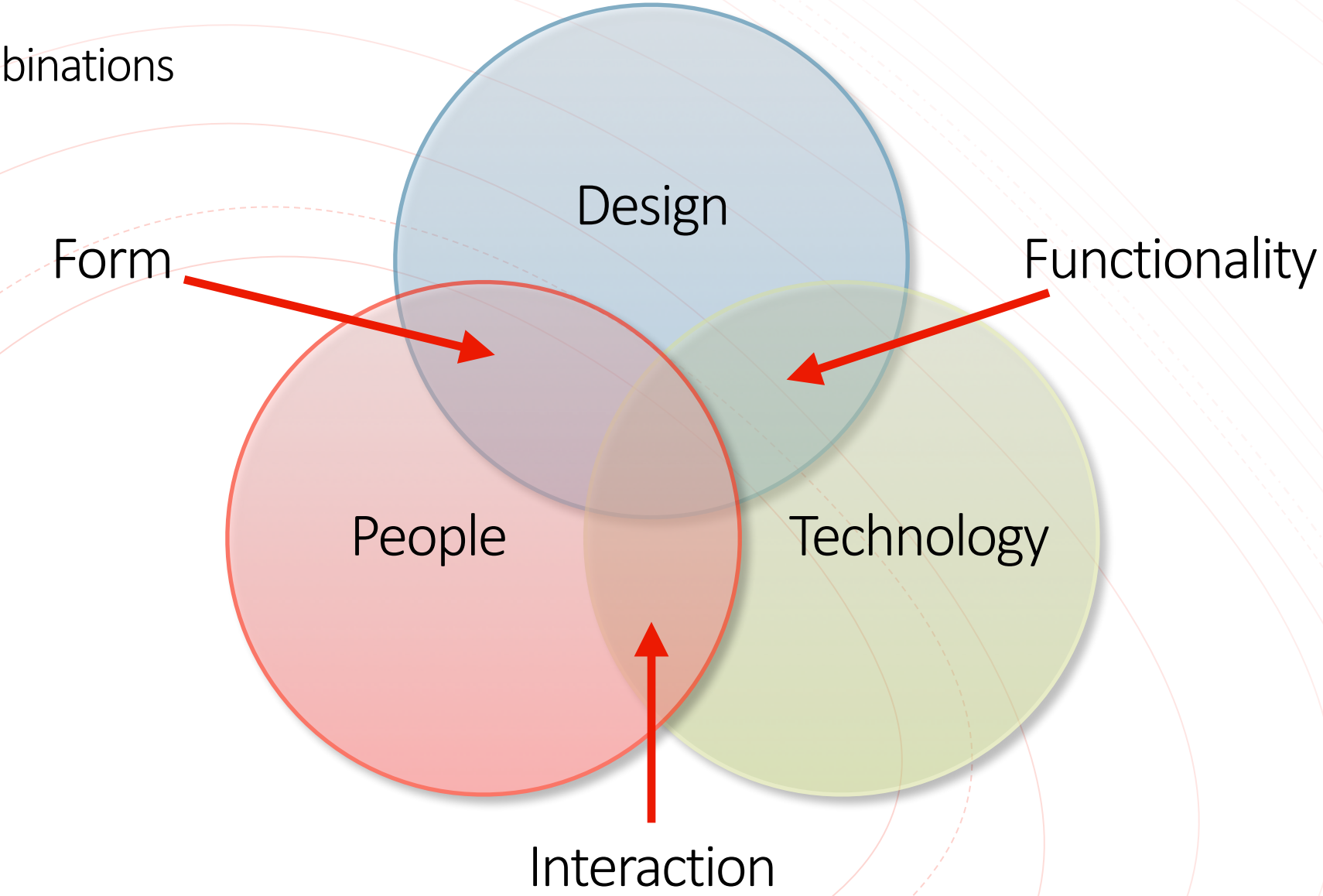
The user interface is based on 3 elements:

- Design
- Technology
- People

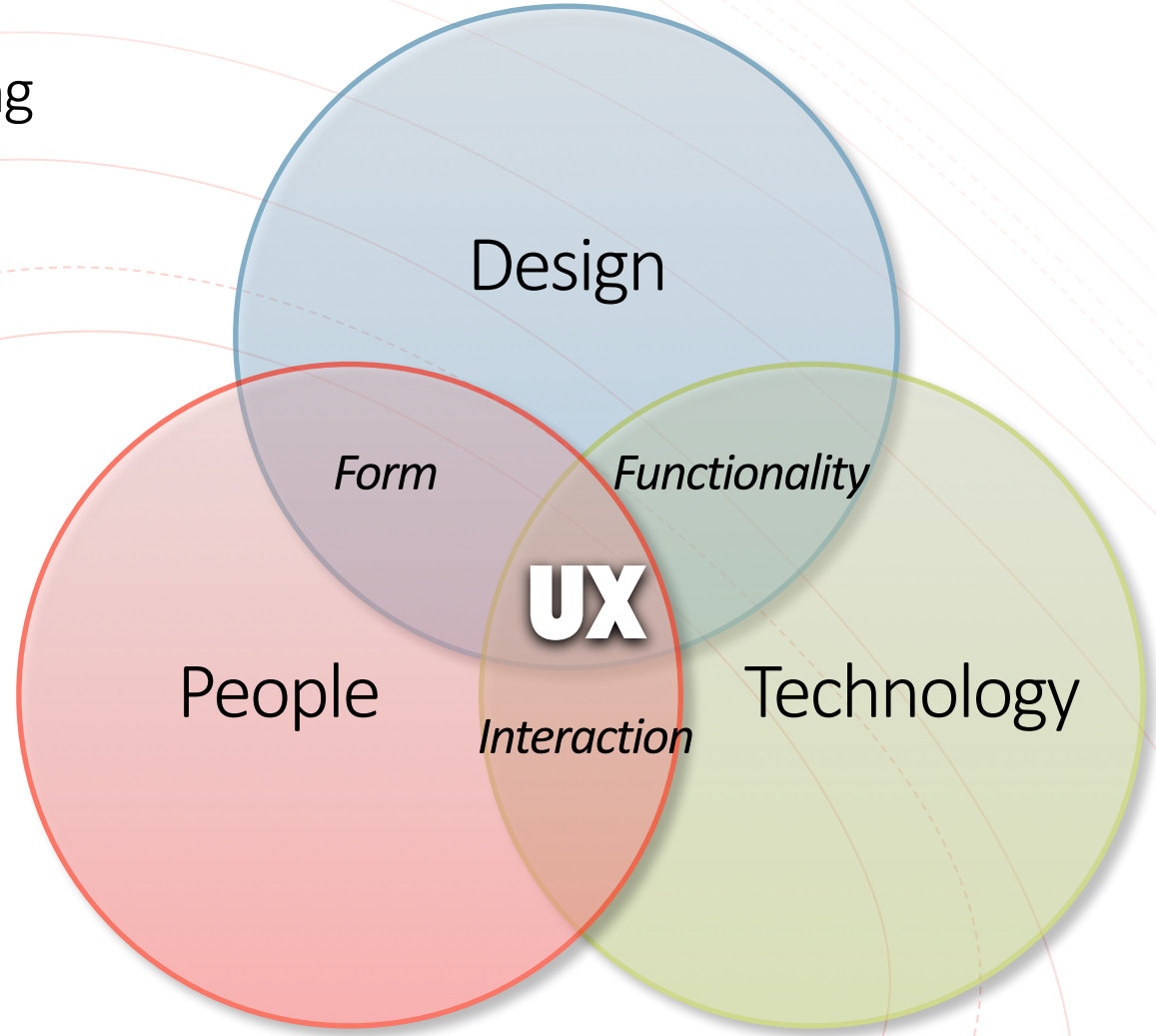


Resulting in combinations

- Form
- Function
- Interaction



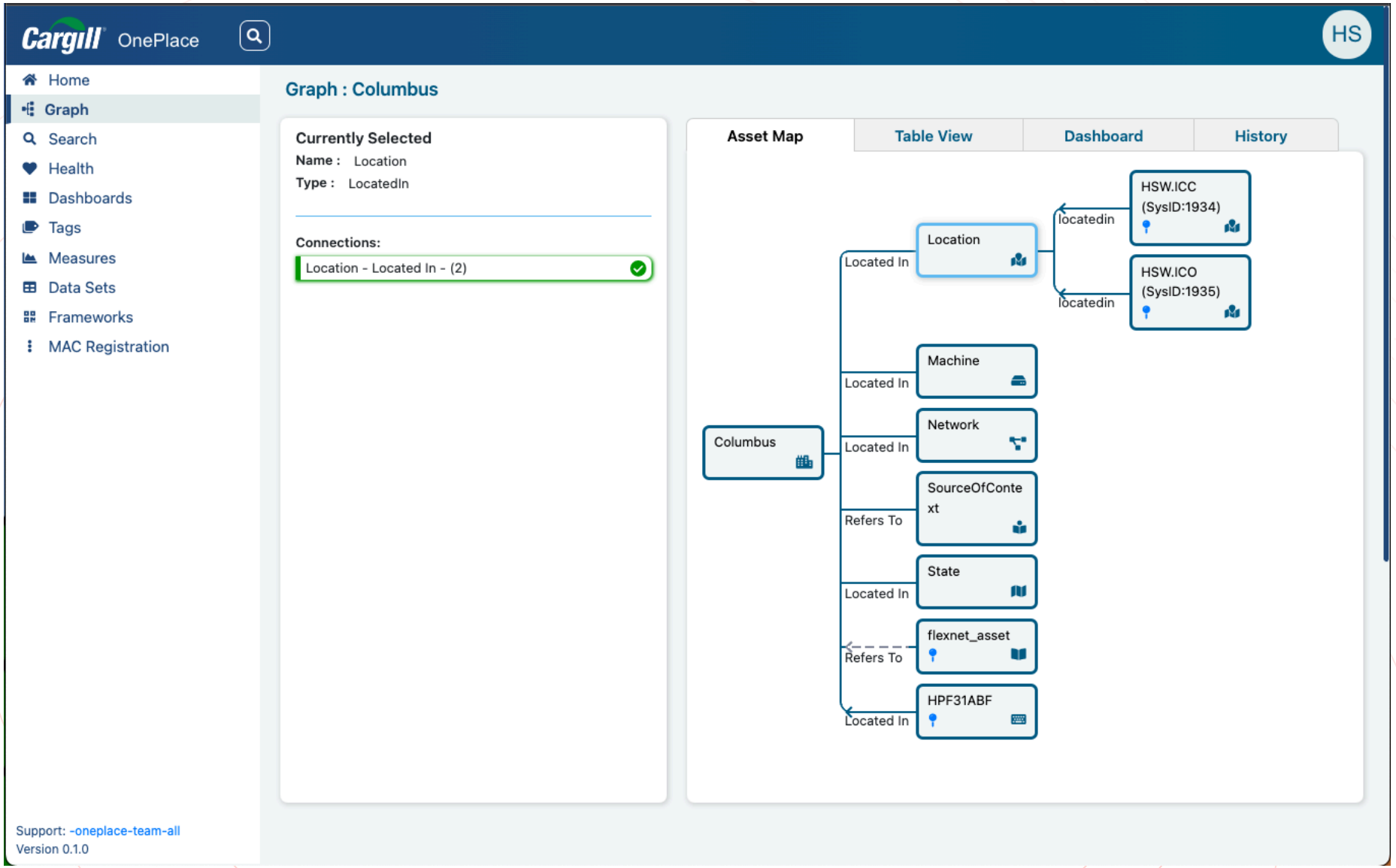
UX is the culmination of all these elements working together



Part 2

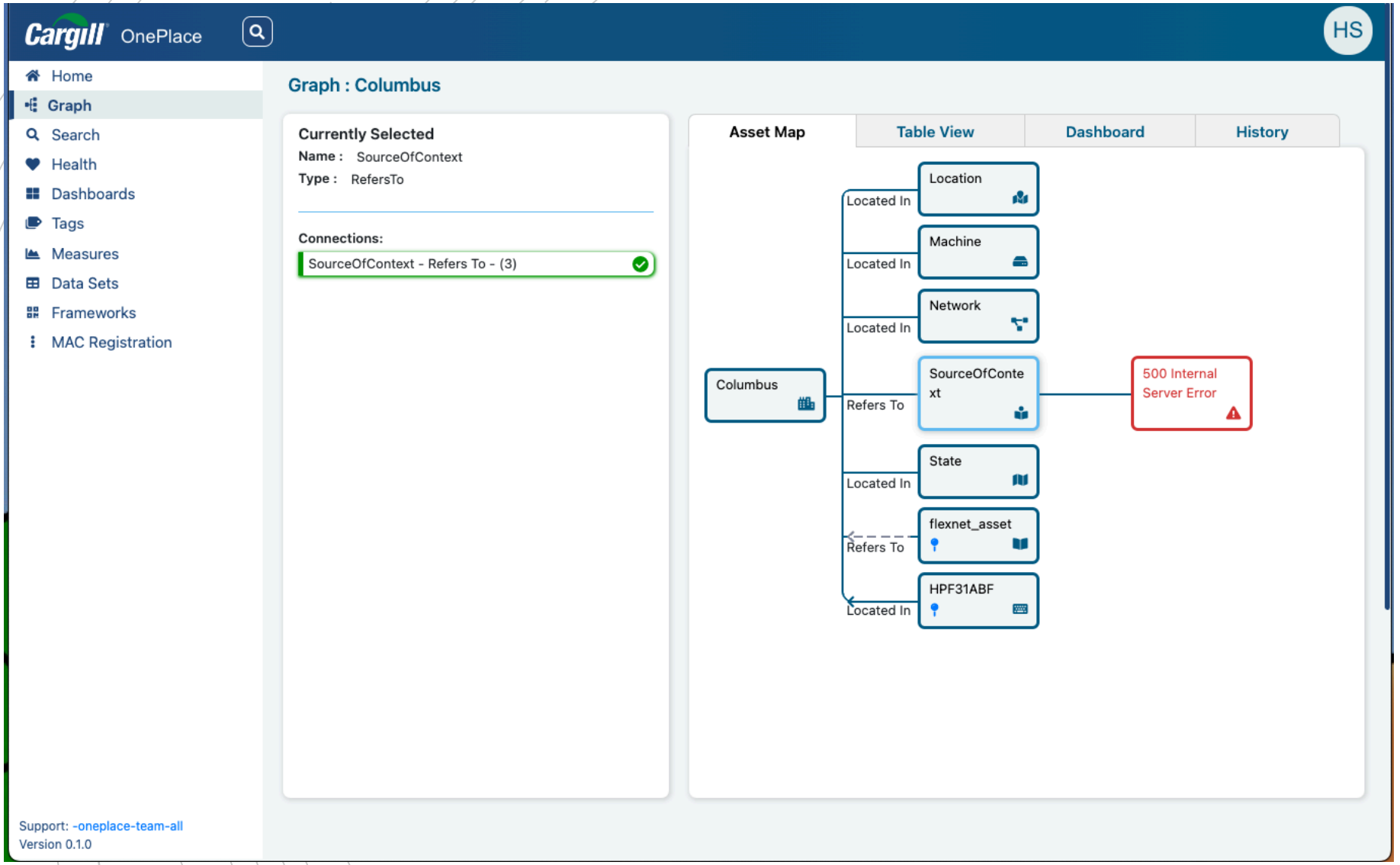
Examples: OnePlace
An executive portal for managing widespread IT assets.
Designed and developed by me.

Tech Stack: React, Redux, SASS, C# (back end)



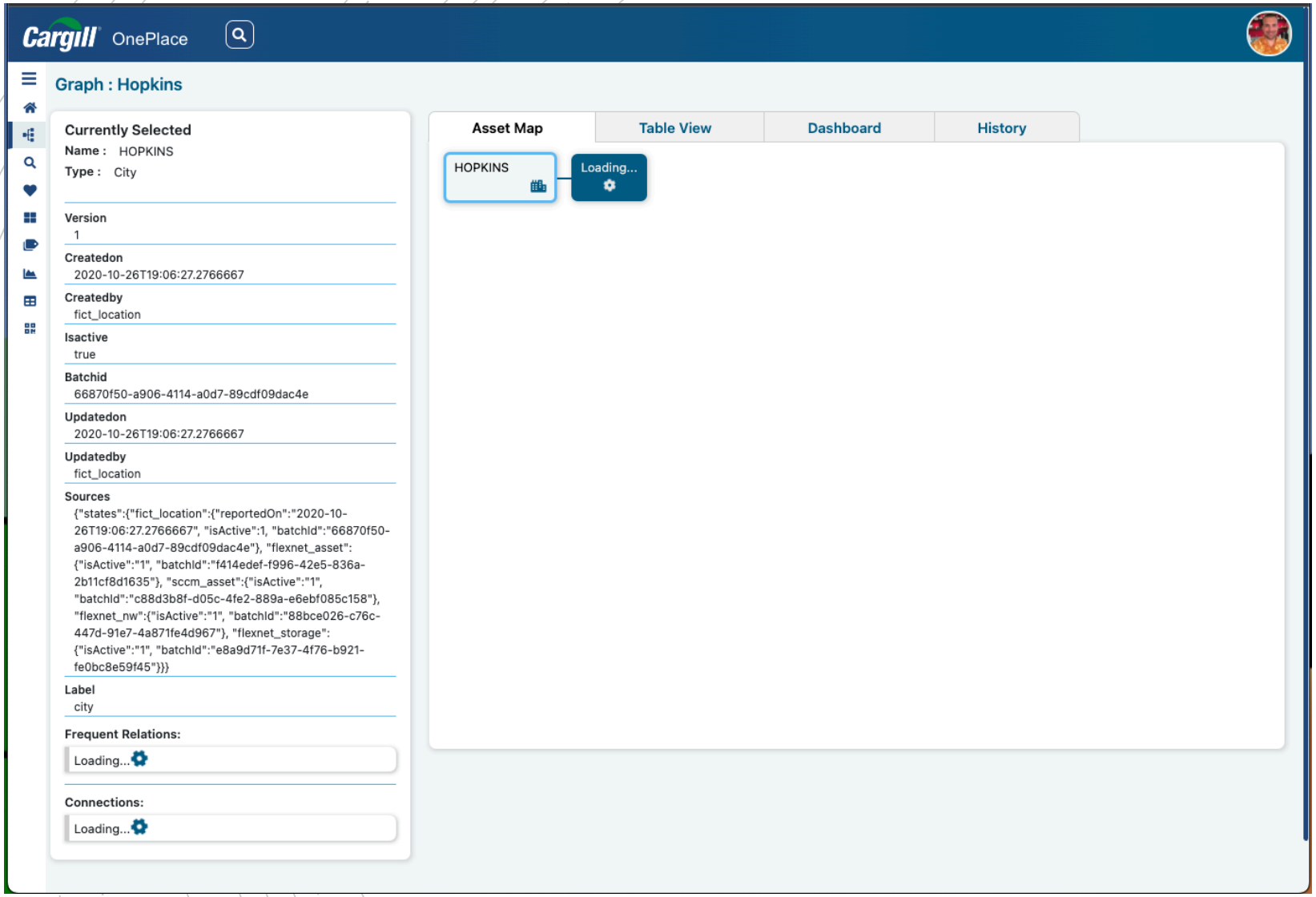
Branching Tree Interface

- Individual nodes clickable to toggle an open state.
- Open state reveals children, unless there are none in which a terminal node indicates there are no child nodes.
- Metadata for each node sets an icon for the type of node.
- A pin drop icon is clickable and recenters the entire graph with that node as the root.
- Originally planned as a vector-based D3.js object I was able to model the required behavior in JavaScript/CSS and HTML to achieve the desired effect, giving more control through the browser and integration with encapsulating React code.



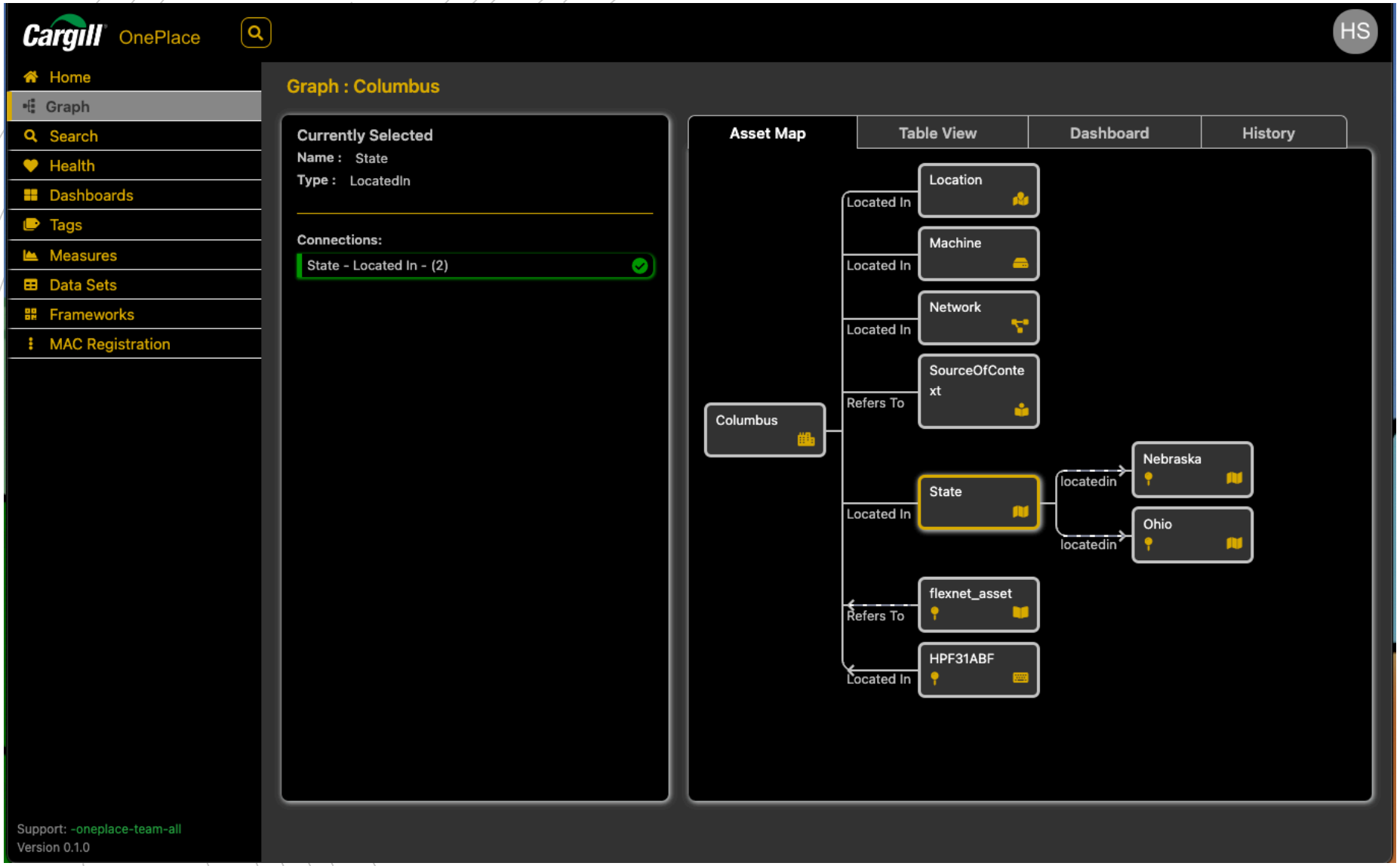
Branching Tree Interface

- Additional features shown.



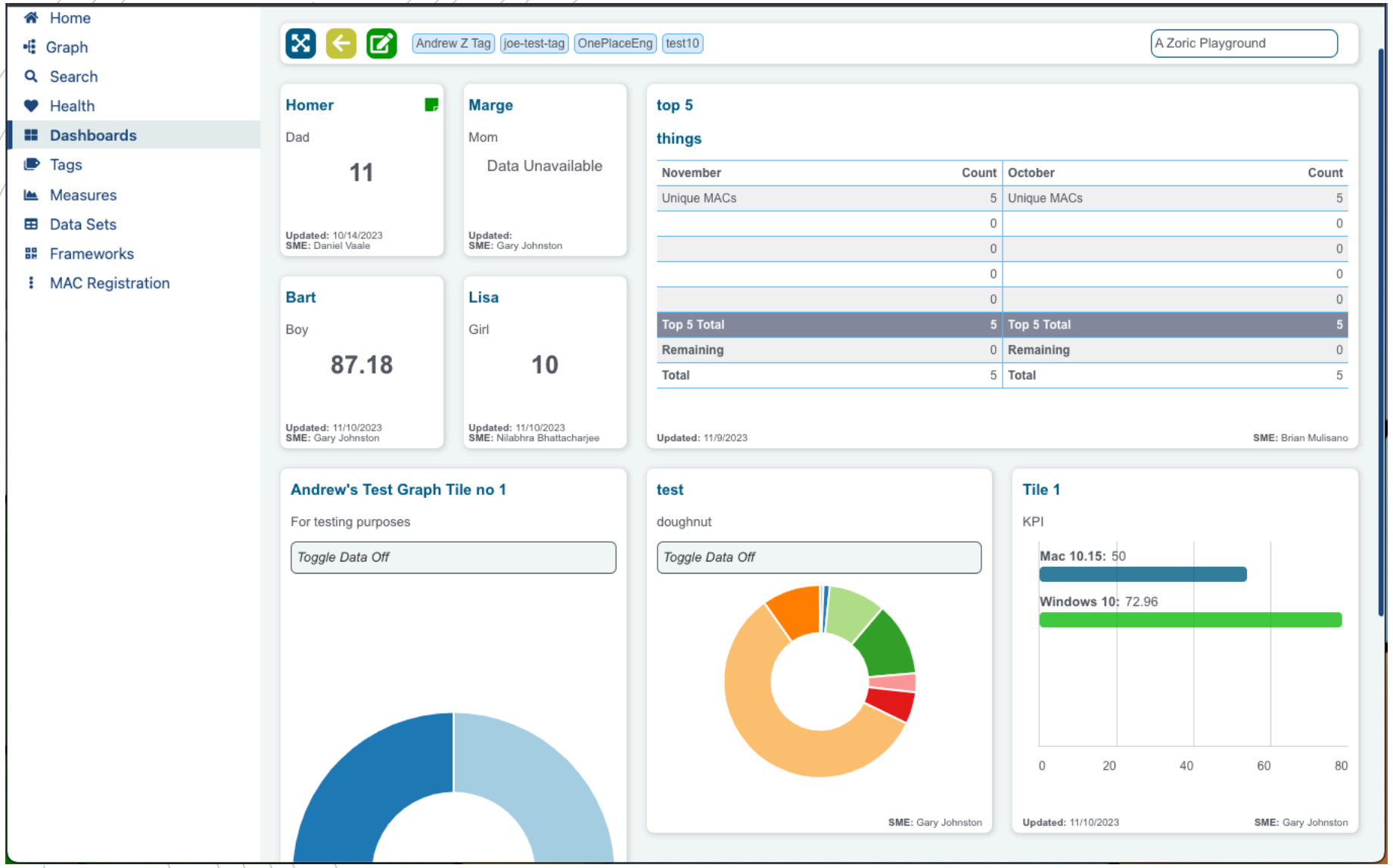
Branching Tree Interface

- Loading screen.
- Nodes animate out of their parent.
- Cog icon rotates while data is fetched.



Dark Mode

- The entire site had a Dark-Mode option. This was managed by a user system setting. The dark mode used high contrasting colors while maintaining the client's brand



Configurable Dashboard

- Dashboards were configurable.
- Permitted users were able to create and change dashboards. This included.
- Dashboard “tiles” had multiple types, and could have different sizes.
- The entire dashboard was responsively designed so even smaller screens were usable.

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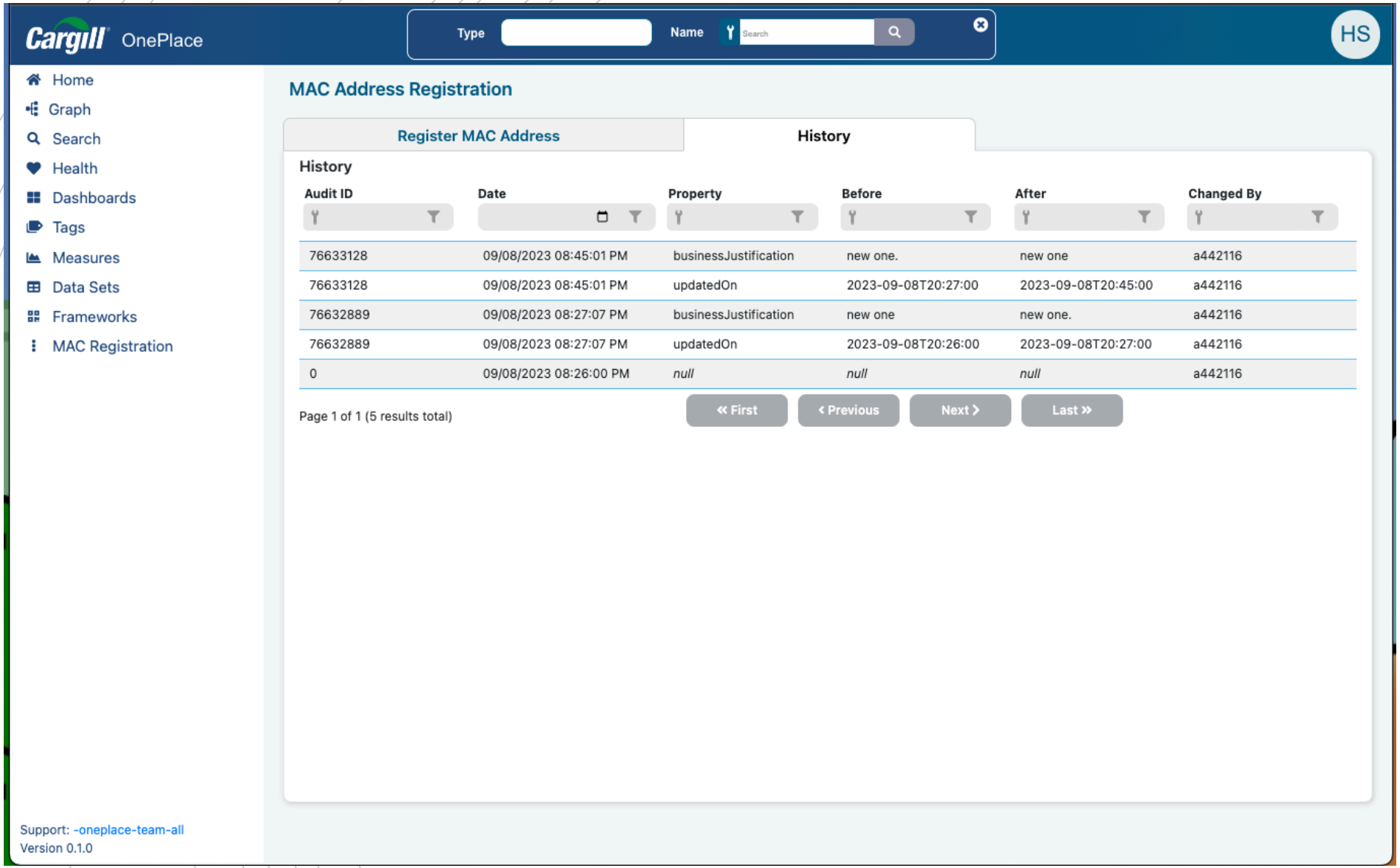
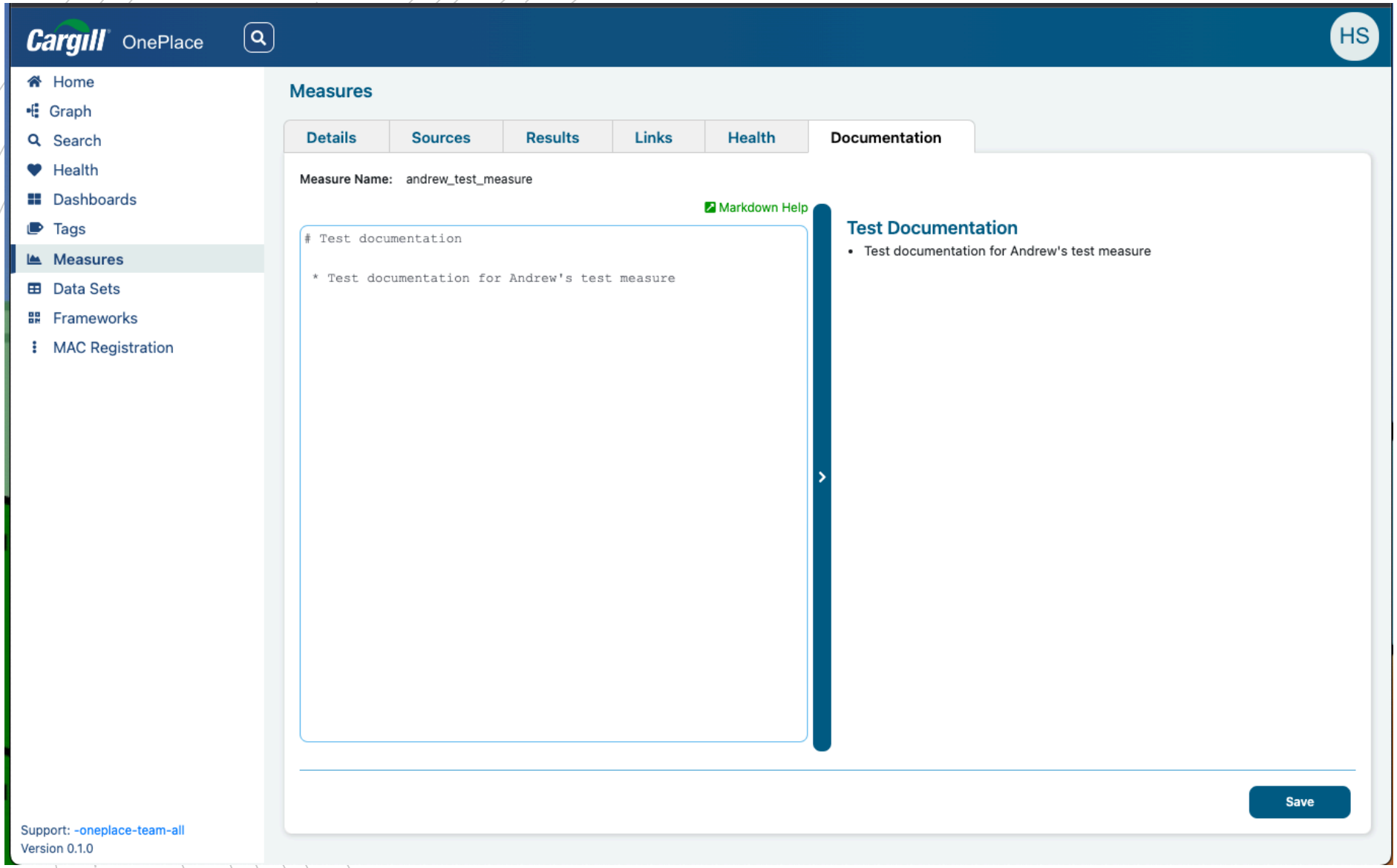
- Dark mode shown



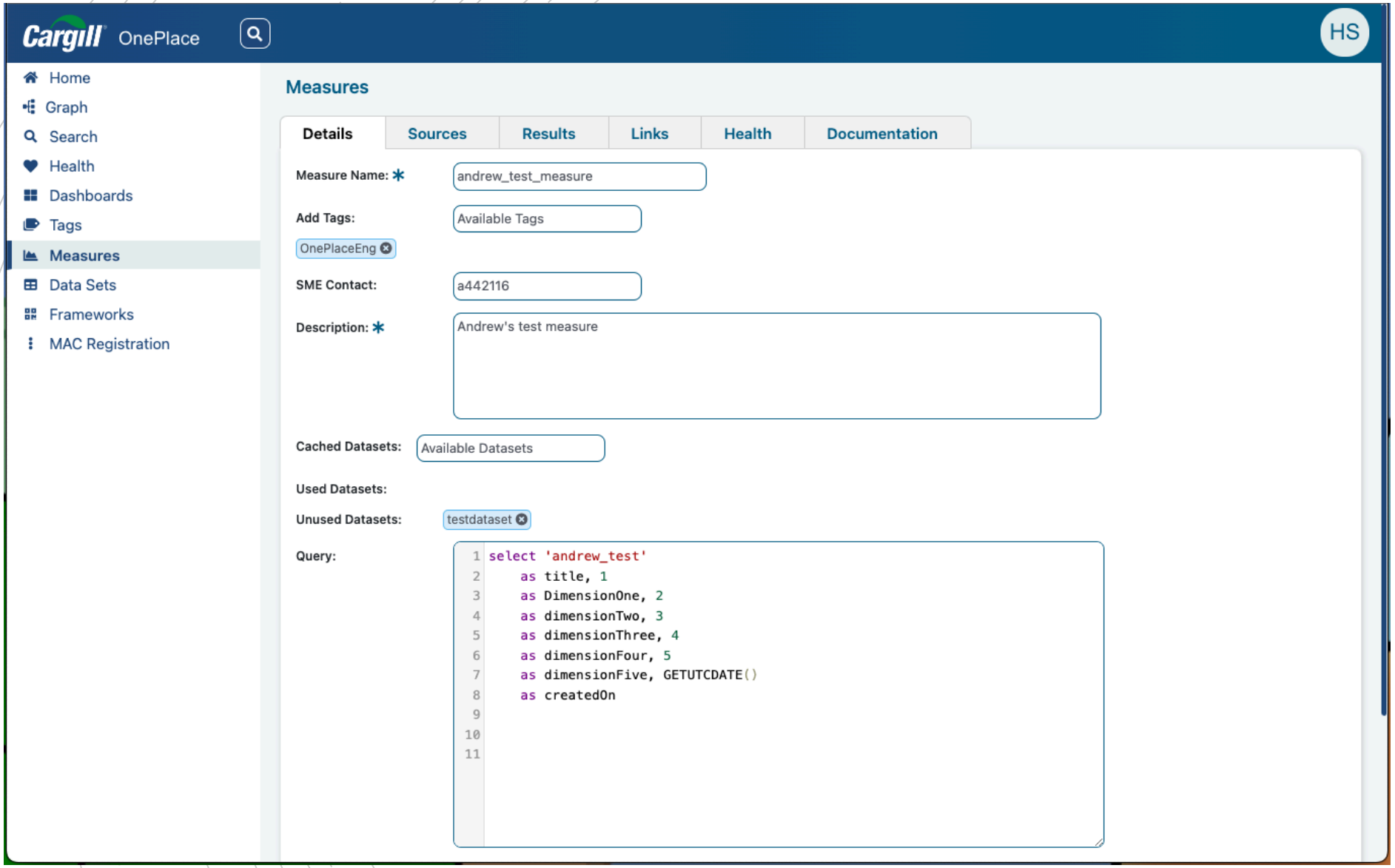
Searchable/ Sortable tables

- Table UI with ghosted search elements
- Once set active, or containing data the elements display fully. Options to filter in



Documentation Editor

- Using Markdown Markup Language this editor was a two-way-bound code editor.
- Opening and closing the output window allowed the author to see the formatted output.
- A movable info box popup could be used with tips on markdown formatting.



SQL Editor with Code Highlight

- SQL Editor using CodeMirror and React. This gave SQL authors the ability to write readable code directly in the portal tool.
- Additional custom features included highlighting datasets referenced in the code.

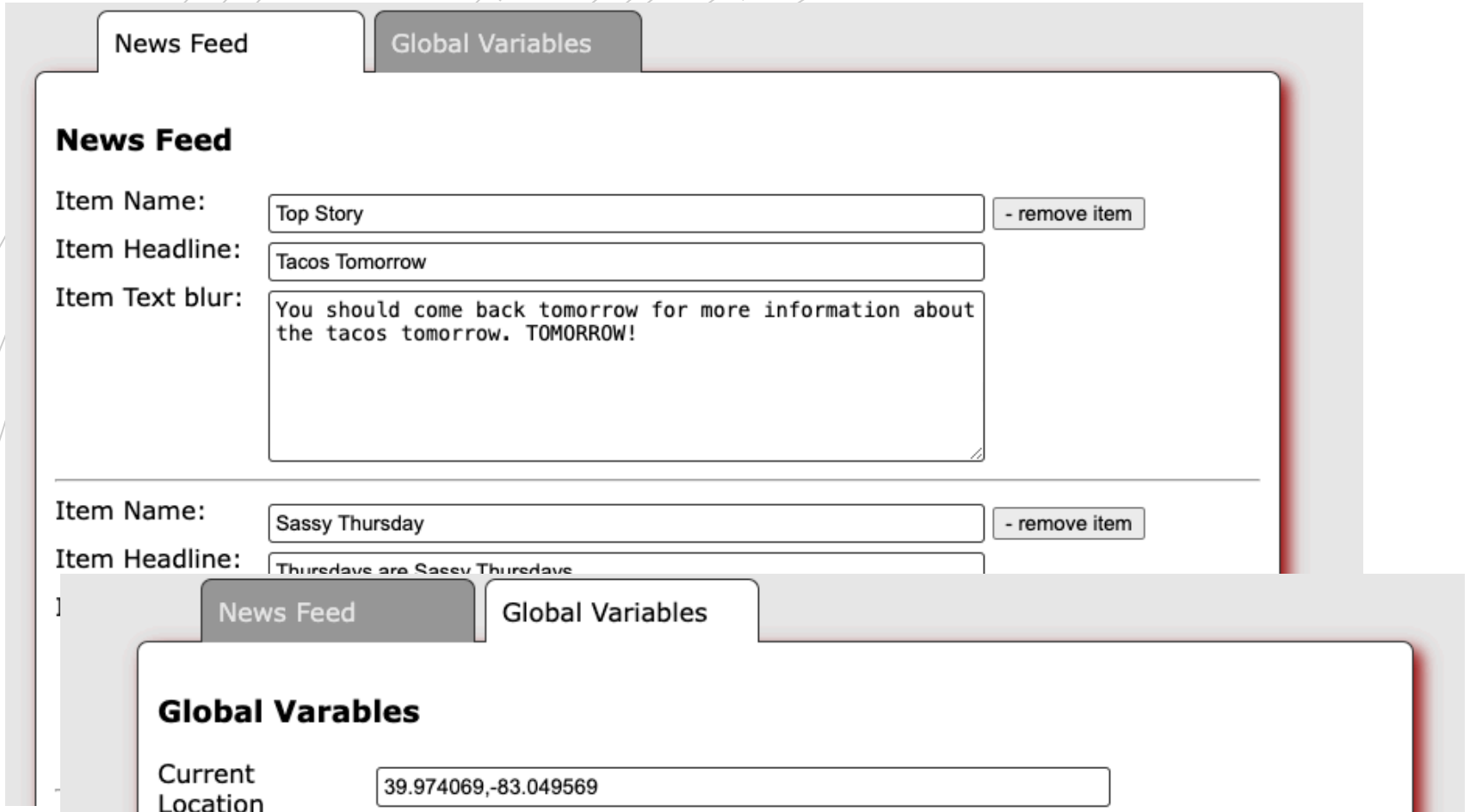
Part 3

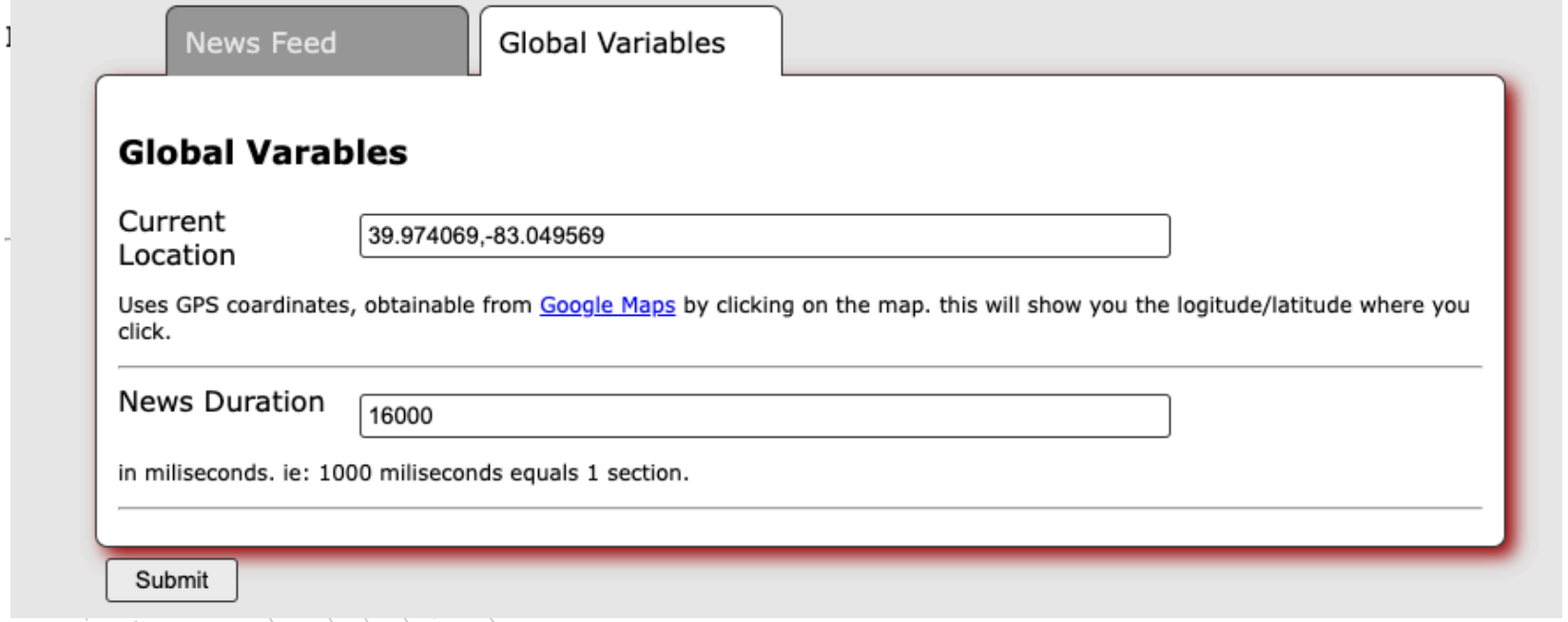
Examples: Wallboard
A client-server messaging system

Tech Stack: Node, Express, CSS

Wall Board frontend

- An internal ComResouce messaging system running on multiple Raspberry Pi's
- News rotates through an array of stories as hexagons dance in the background representing the ComResouce Logo using the particles.js library.
- A weather API gives the local forecast.





Wall Board backend

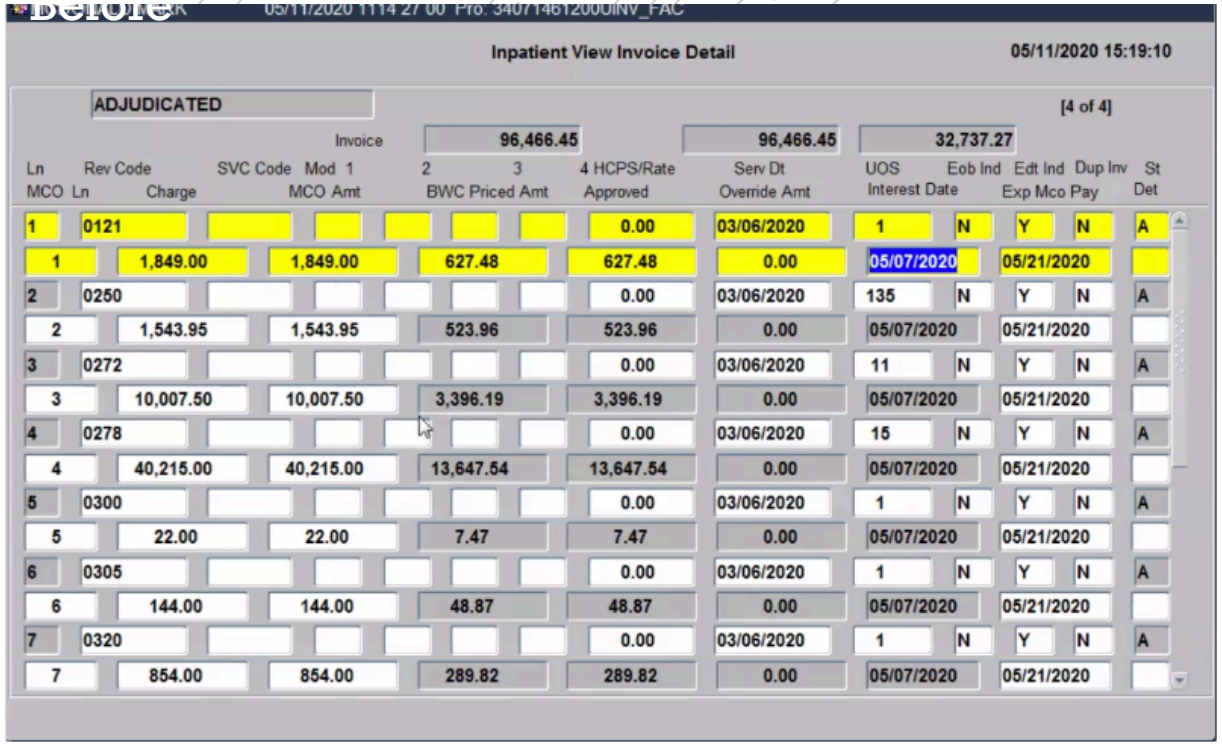
- Using a Node server, Express.js the server back-end has two tabs
- The main tab is the newsfeed. Headline/blurb items that rotate through the client.
- Global variables. Sets the location for current weather and the duration each news item at rest before transitioning to the next.

Part 4

Examples: Wireframes
UX Designing for other developers

Tech Stack: HTML, JavaScript

Before



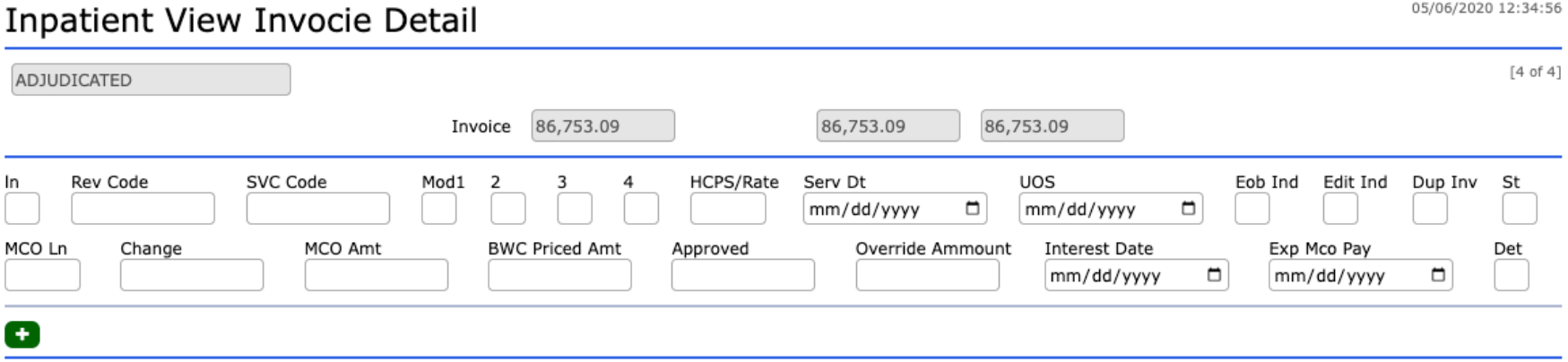
Inpatient View Invoice Detail

05/11/2020 15:19:10

ADJUDICATED

[4 of 4]

Ln / MCO Ln	Rev Code / Charge	SVC Code	Mod 1 / MCO Amt	2	3 / BWC Priced Amt	4 HCPS/Rate / Approved	Serv Dt / Override Amt	UOS / Interest Date	Eob Ind	Edt Ind / Exp Mco Pay	Dup Inv	St / Det
						Invoice 96,466.45	96,466.45	32,737.27				
1	0121					0.00	03/06/2020	1	N	Y	N	A
1	1,849.00	1,849.00		627.48	627.48		0.00	05/07/2020		05/21/2020		
2	0250					0.00	03/06/2020	135	N	Y	N	A
2	1,543.95	1,543.95		523.96	523.96		0.00	05/07/2020		05/21/2020		
3	0272					0.00	03/06/2020	11	N	Y	N	A
3	10,007.50	10,007.50		3,396.19	3,396.19		0.00	05/07/2020		05/21/2020		
4	0278					0.00	03/06/2020	15	N	Y	N	A
4	40,215.00	40,215.00		13,647.54	13,647.54		0.00	05/07/2020		05/21/2020		
5	0300					0.00	03/06/2020	1	N	Y	N	A
5	22.00	22.00		7.47	7.47		0.00	05/07/2020		05/21/2020		
6	0305					0.00	03/06/2020	1	N	Y	N	A
6	144.00	144.00		48.87	48.87		0.00	05/07/2020		05/21/2020		
7	0320					0.00	03/06/2020	1	N	Y	N	A
7	854.00	854.00		289.82	289.82		0.00	05/07/2020		05/21/2020		



Inpatient View Invocie Detail

05/06/2020 12:34:56

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[4 of 4]

Invoice 86,753.09 86,753.09 86,753.09

In	Rev Code	SVC Code	Mod1	2	3	4	HCPS/Rate	Serv Dt	UOS	Eob Ind	Edit Ind	Dup Inv	St
								mm/dd/yyyy	mm/dd/yyyy				

MCO Ln	Change	MCO Amt	BWC Priced Amt	Approved	Override Ammount	Interest Date	Exp Mco Pay	Det
						mm/dd/yyyy	mm/dd/yyyy	

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POC/WireFrame

- While redesigning a client's legacy desktop application into a web application I took the current application and rebuilt the interface in a series of prototype wireframe.
- The Developer on the project was able to take the wireframes, build in HTML JavaScript and CSS and convert them into the final product.
- These POC/Wireframes included recalculations on blur, dynamically added rows, select screens and other required features.