

Scientific Experiment Browser

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Deliverable #6

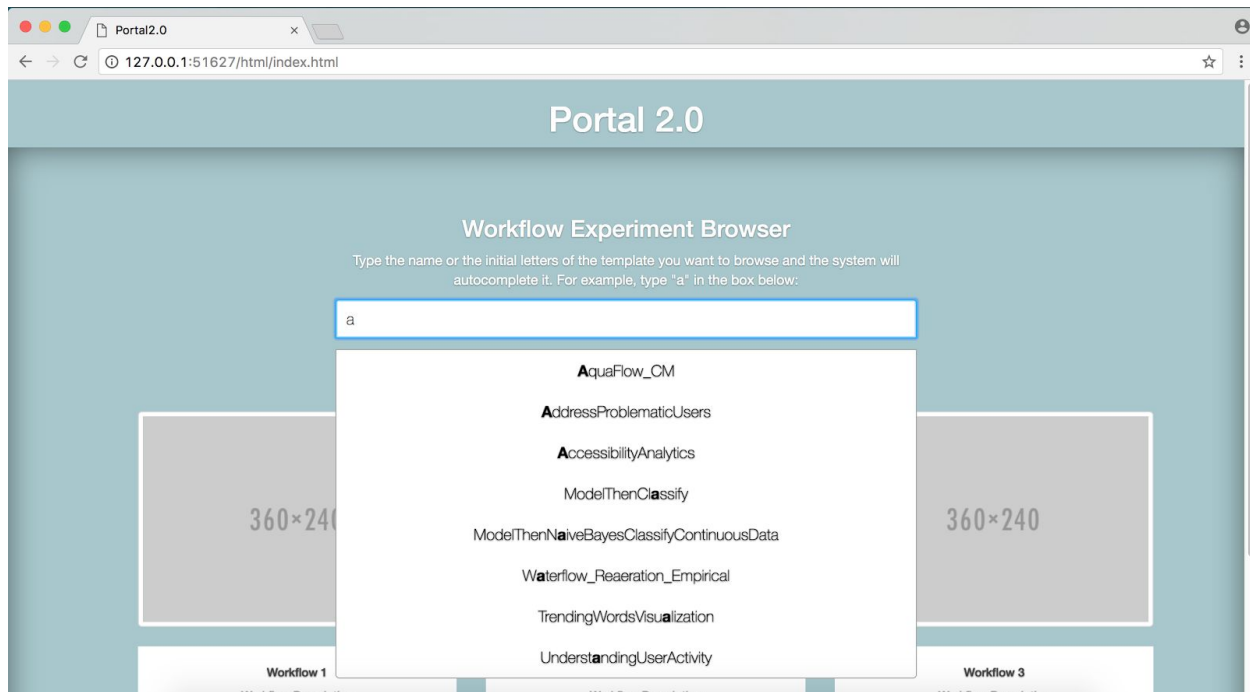
March 27, 2017

Huy Ngo

Andrew Nguyen

Tiffany Truong

Homepage - show search bar with dynamically populated suggestions



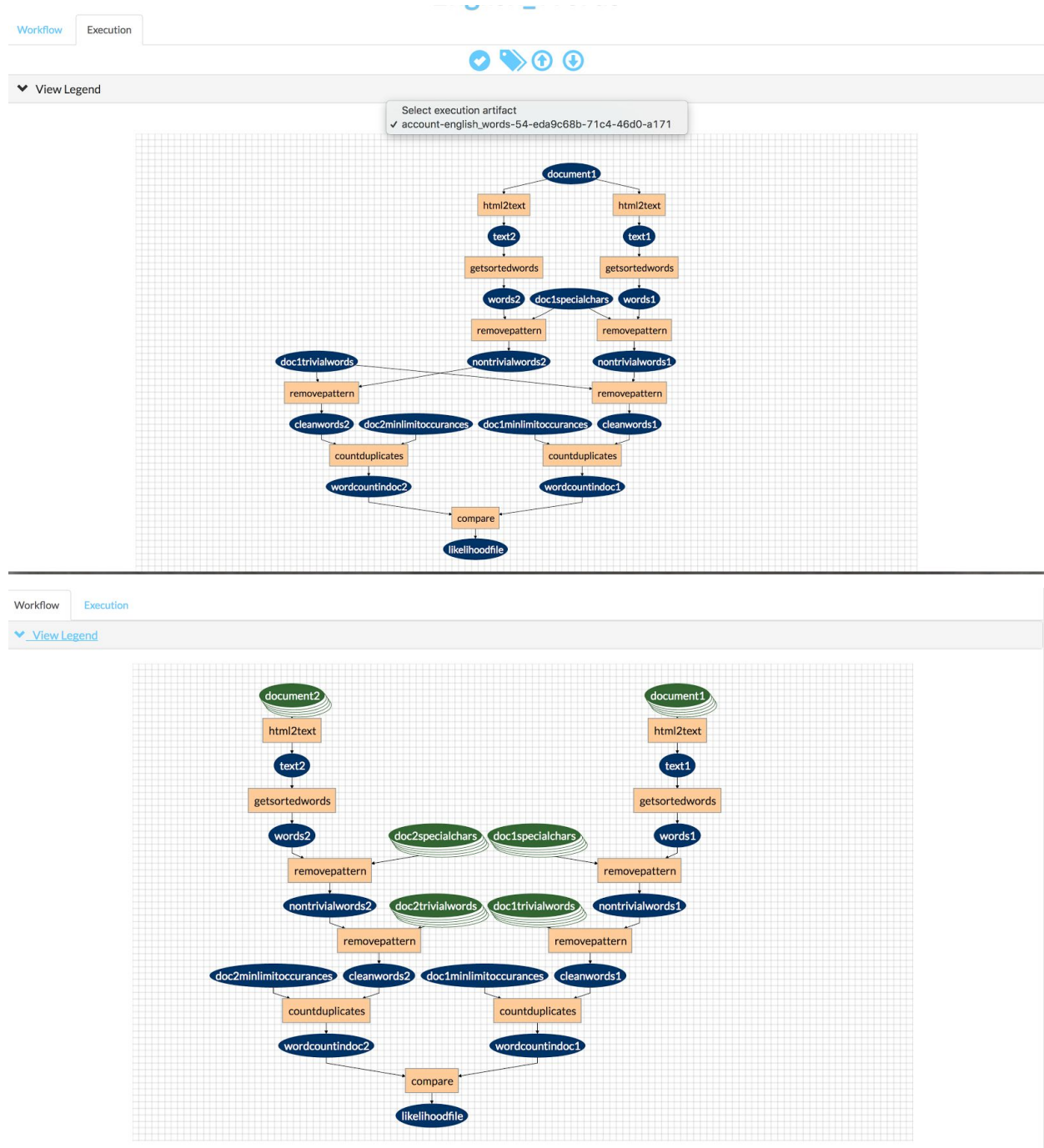
Current State:

The autocomplete suggestions now do a couple of new things. First, they sort the suggestions based on the relevance. The suggestions that start with the input are shown first while the suggestions that contain the input anywhere are shown after. Second, the part of the suggestion that matches the input is now highlighted to help with user navigation.

Goals for next deliverable:

The next step of the homepage is to figure out what to do with our carousel feature. Right now, we are thinking of having a carousel containing the most recently viewed workflows. We can store and pull this information in the browser's local storage. Additionally, we will most likely remove the thumbnails of the carousel items as we do not have anything to occupy those spaces. As far as UI goes, we will change the UI of the homepage to match that of the current workflow page's.

Visualization Graphs



Current state:

The first screenshot shown above on the Execution tab of the workflow page aims to showcase that the execution artifacts for a given workflow can be retrieved and be subsequently rendered in a visualization similar to that which is displayed for its corresponding workflow. One can see that there is a

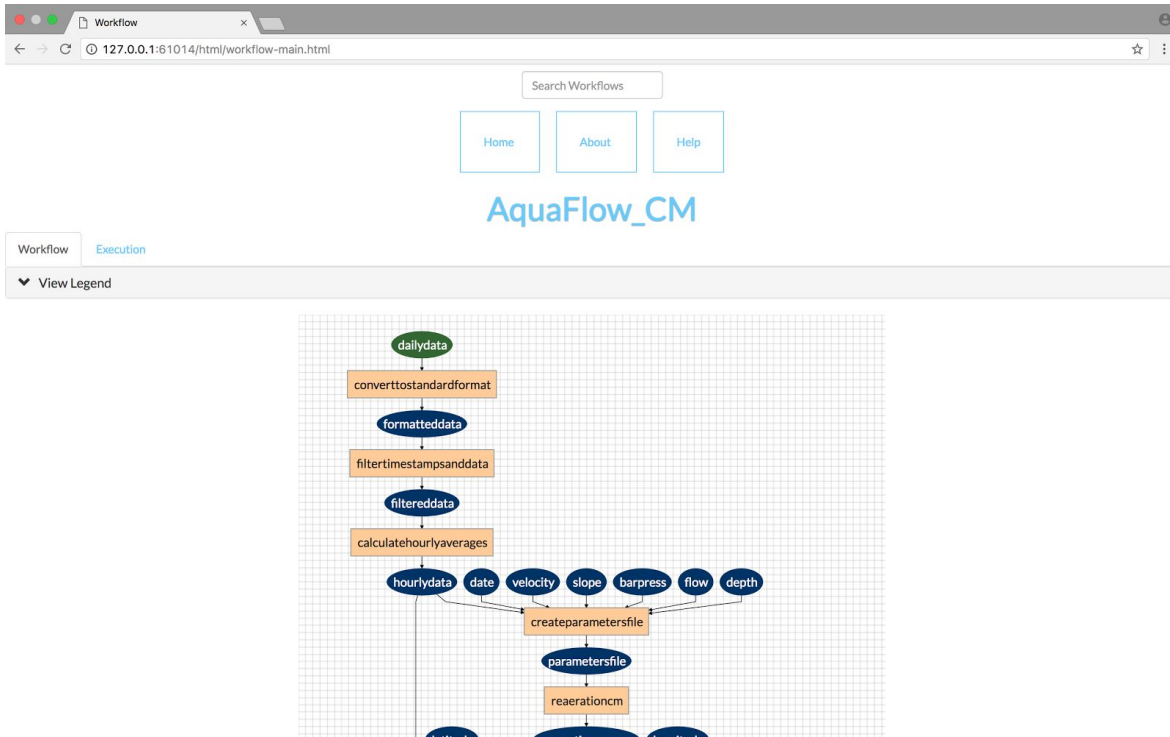
selection/dropdown element corresponding to the execution artifacts, in case there is more than 1 execution artifact a user wants to see.

The second screenshot corresponds to a workflow visualization for EnglishWords. This screenshot aims to display the functionality of implementing the 'collections' feature which some workflows may have.

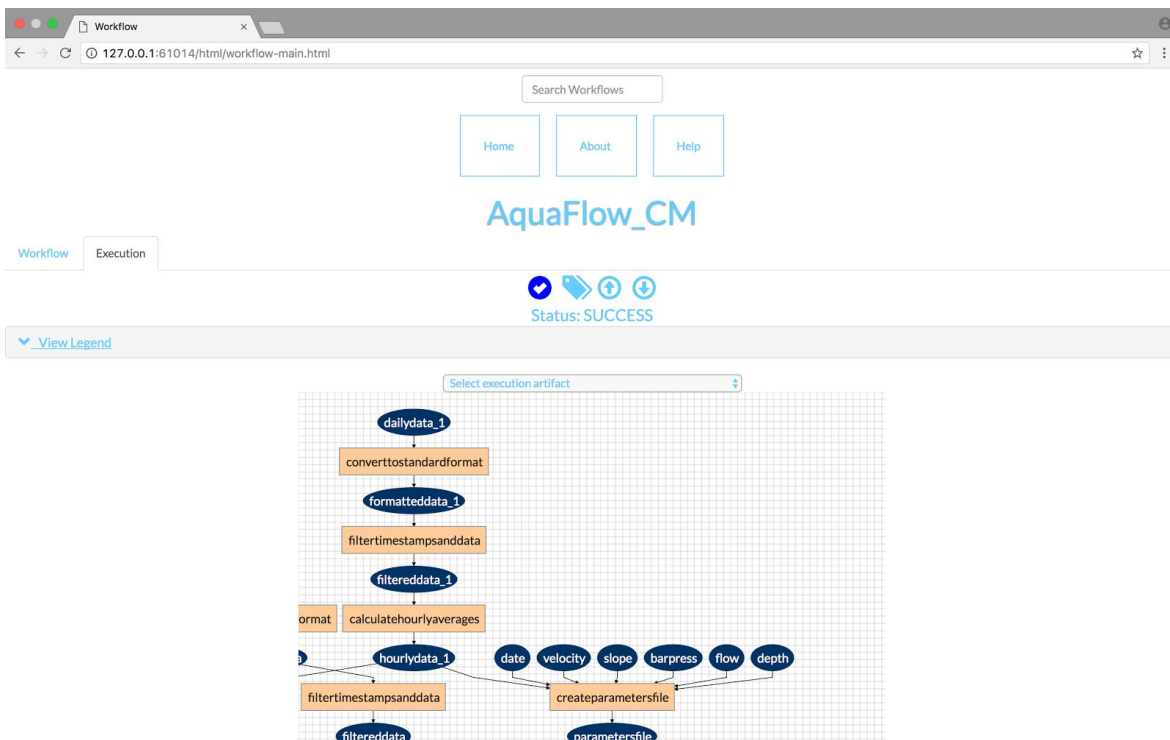
Goals for next deliverable:

A goal for the next deliverable would be to display a spinner .gif for when larger execution artifacts are being loaded so the user experience is not unresponsive. Furthermore, we would like to do some alignment fixes for when a graph renders, so it is centered on the grid and scaled properly to fit the entire visualization (i.e. some visualizations can be large and go offscreen, so we want to scale accordingly). There are some features such as highlighting the inputs and outputs of a given process that we wish to implement as well.

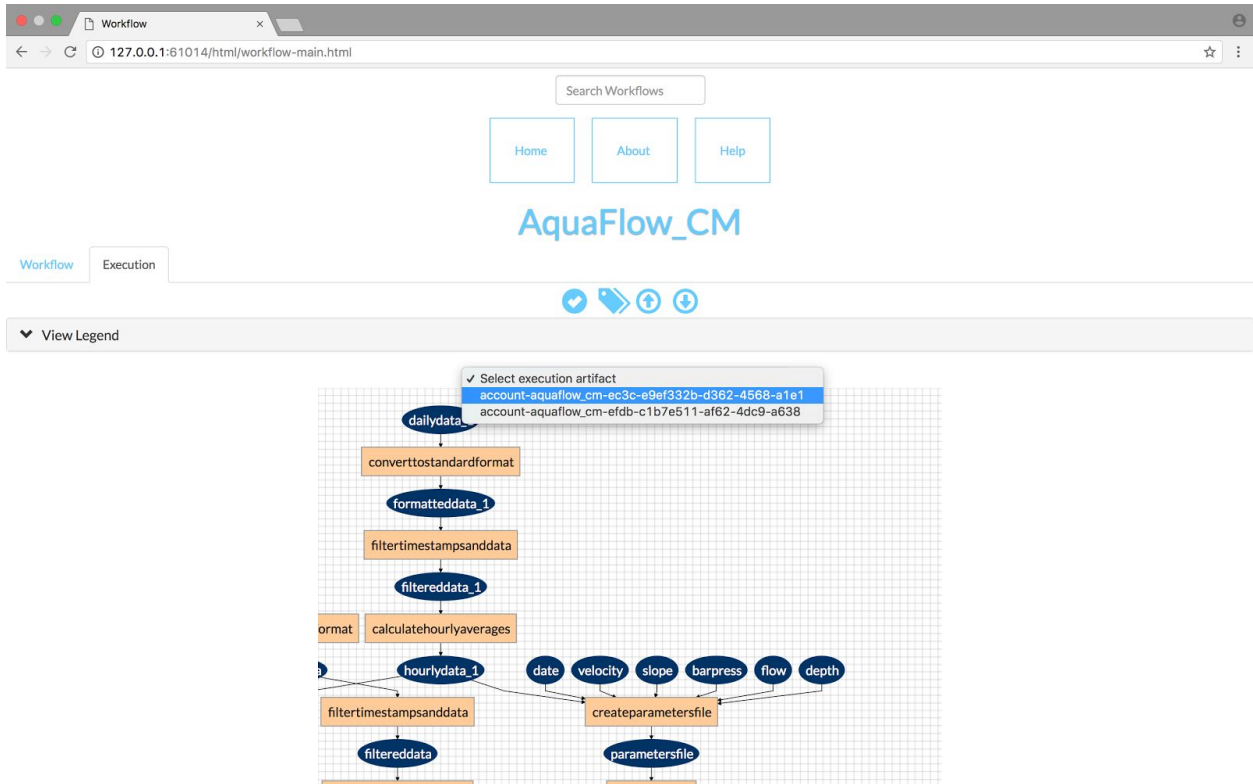
Workflow Main Page



Main workflow page, upon initially being loaded.



Main workflow page, on executions tab, hovering over metadata success item.



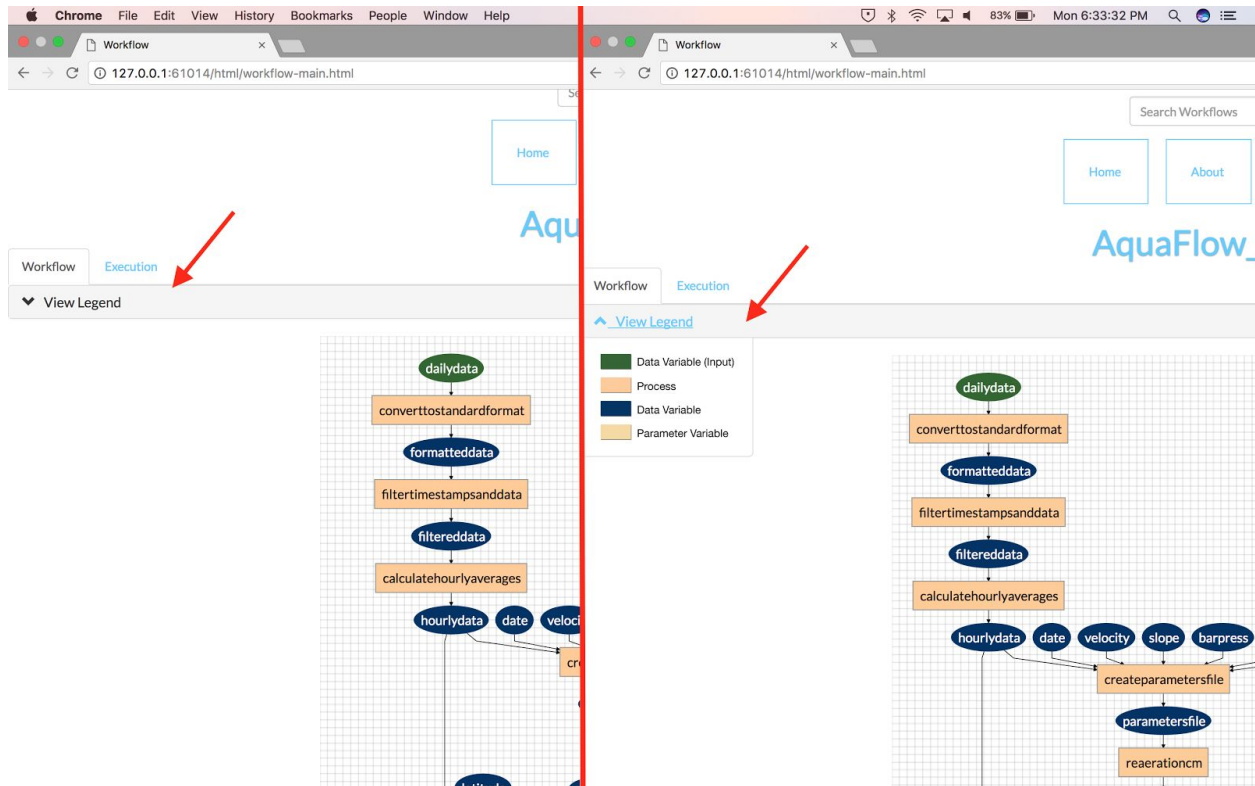
Main workflow page, executions tab, selecting a new execution from dropdown menu.

Current State:

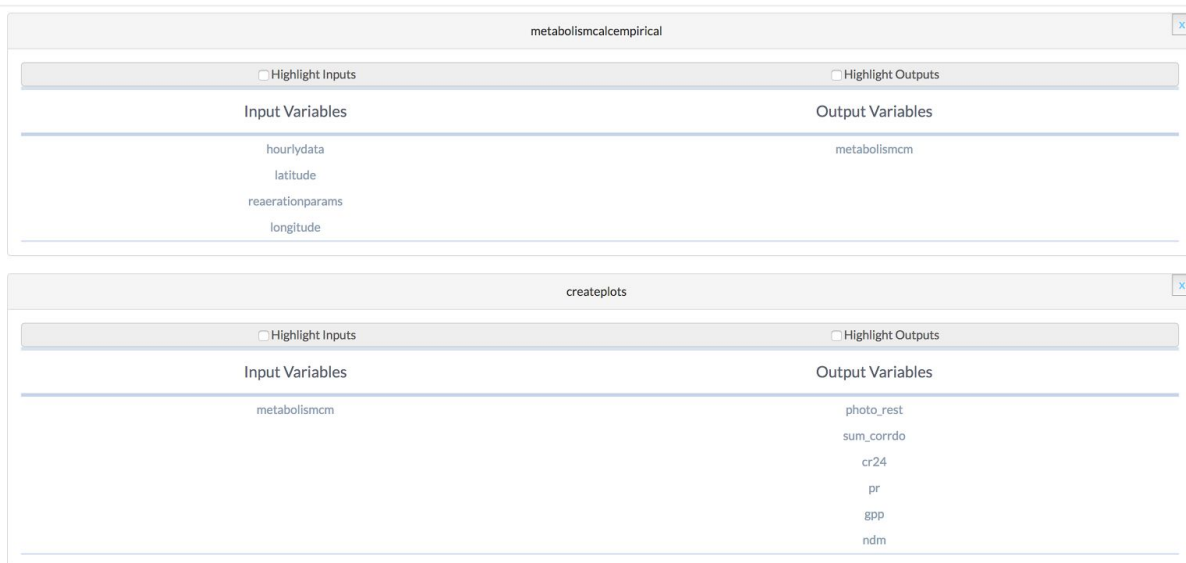
The autocomplete of the search bar now matches the functionality of the one on the landing page (it sorts and highlights the suggestions). The metadata table has been replaced by a set of logos under the execution tab. When hovering over each logo, the values of that metadata variable is displayed below.

The title of the page is now properly being dynamically populated based on a workflow name selected from the search bar. On both tabs, the legend now shows as a popover on the screen if the user needs a reference for what the different node colors and shapes represent (image shown below).

The more process information section styling was also updated. The sections are now limited to only displaying 5 total at a time, and a process cannot be added to the page multiple times. The close button on each section now works properly.



Main workflow page, legend popover shown hidden and expanded.



Main workflow page, more process information sections added to the bottom of the page.

Goals for next deliverable:

The overall styling is going to rearrange the page to move the more process information sections to the side of the visualization instead of the bottom of the page. Highlight inputs and outputs checkboxes are in the process of being connected to the visualization to provide a visual marker for the

desired nodes. The overall UI styling it to be fine tuned and finalized. If time permits, an about page and a help page will be added.