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Project Requirement Summary:

Multimedia (Visualization) Artifacts need to be complimented with the textual data narratives. Graphical Visualization through tables, charts, textual reports, method diagrams etc., can be used to go hand in hand with the textual narrative. As suggested in the paper (http://dgarijo.com/papers/iui2017.pdf) , we could use method diagrams to depict the steps involved, the data needed , and other parameters in those steps. Tables can be used to compare the data sets, software components and entire workflows. The data itself can be visualized as well. We need to come up with a way to automatically generate these visualizations to go with the textual data narratives to facilitate better understanding of these real world scientific workflows.

Meeting 1 Summary (01/12/2018):

The initial requirement of the project is to display workflow method diagrams to go hand-in hand with the textual data narratives. The method diagram should be able to convey details about the input, output, methods, etc. The goal is to develop image mockups to replicate how our system will look like on completion. Please refer to the folder "mockups" to view the mockup images for the project. Details of some of the functionalities to be handled are below:

- When a specific workflow method/data set is hovered over in the textual data narrative the corresponding element in the workflow method diagram should be highlighted. An optional tooltip to facilitate the color coding used for different elements in the flow chart is also shown in the tool tip.
- When a specific element in the workflow image is hovered over, the corresponding element gets highlighted in the textual data narrative.
- On mouse hover of any step in the workflow diagram, a tooltip appears with the description of the variable/process. Retrieving all the data into the tooltip may require a little bit of work, therefore an intermediate step would be show some basic functionality, which is just highlight without tooltips.

Meeting 2 Summary (01/18/2018):

The next goal is to come up with the real mockups with html text and narrative highlights in a static manner. We capture the functionality discussed in the previous meeting, to be done on an example statically. We develop the workflow method diagrams for a data narrative from the examples and incorporate the highlight functionality as displayed in the mockups.