DIVA

BY

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Sprint Report #2

1. Initial Tasks

1. Setup a Sankey diagram that implements at least all of the minimum features and functionality.
2. Create mock-ups of potential views
3. Implement at least one of the data upload/load procedures
4. Revise our requirements document to develop
5. Define the first iteration of the design document

2. Completed

1. Met up with Sponsor and discussed UI preferences and goals
2. Revised our requirements document as we continue to develop
3. Defined the first iteration of the design document
4. Started to create Mock-ups for the UI
5. Tested administrative guide (system installation), adapted it for Ubuntu, CentOS, and Amazon Linux
6. Deployed to Amazon Linux with automated deployment script (npm run deploy) to https://ucidva.com
7. Used Let's Encrypt (https://letsencrypt.org/) to get a free certificate
8. Configured project tooling: Webpack, React, Redux, and Babel
9. Iterated on the design for the generic visualization extension interface
10. Setup unit testing and used it to implement features that currently lack UI

3. Not Completed

1. Setup a Sankey diagram that implements at least all of the minimum features and functionality.
    - Due to the modular diagram extension requirements of our software, this task was much larger than we initially anticipated. Though we did not complete this task, we are continually working towards it with everything else we are doing.
2. Implement at least one of the data upload/load procedures
    - This task could not be completed because there were other prerequisites that needed to be completed first. Getting to this task was too ambitious for this sprint.

4. Sprint #3

1. Develop mockups that correspond to different visualization extensions (i.e. sankey, bar chart, and line graph)
2. Develop mockups that show the user's manipulating the data sets (i.e. filters and calculations)
3. Develops mockups that show the user's interactions with loading data sets
4. Develop "Settings" view mockup
5. Develop a more detailed view of the "Galleries" mockup
6. Perform user experience tests with our created our mockups
7. Potentially begin writing code for the user interface
8. Test the Administrative Guide on additional systems
9. Try to solidify the visualization extension interface
10. Explore what is the best way (expressed in terms of mock-ups) to support taking data all the way through to actually being visualized, and then persisting that

5. Notes

1. After working on our initial tasks for this week, we came to realize that our listed tasks were too general and encompassed way too much work to be realistically completed in a single sprint.
2. We ended up do a large restructure of our system design this sprint to now utilize babel with ES6.
3. During this sprint we created the "Administration Guide" (as requested by our project sponsor) and began fleshing out some of the potential issues admins might have installing our software.
4. During this sprint, we discussed the possibility of server-side rendering of all our diagrams. While we did reject this configuration at this moment, we are designing our software to potentially adhere to this in the future.
5. We made great progress on our extension system for diagrams this sprint.