SE 491 - sdmay20-54
Enabling Repeatable Graph-based Experimentation and Education
Week 3 Report

10/31-11/6
Client: Kothari
Faculty Advisor: Kothari/Payas

Team Members:

Austin Gregory - Report Manager
Peter Marasco - Communication Coordinator
Blake Mulnix - Trello Manager
Kyle Ferguson - Meeting Coordinator
Matthew Schaffer - Technical Leader

Past Week Accomplishments

- Fixed Node Styling - Kyle
  - Text now fits within Nodes
- Implemented Custom Layout - Austin
  - Implemented a new custom layout for graph visualization for curved lines
  - Still requires testing
- Existing Code Alterations - Blake
  - Additional code changes for easier use
  - Alterations to graph for a neater looking graph
- Additional Cytoscape Research - Matthew
  - Further investigation of the limits of Cytoscape
- Created Menu Options for Nodes - Peter
  - Added node interactibility—menu options on-click

Pending Issues

- Alter layout to better replicate Atlas
- 404 Error in Jupyter adds steps to graph visualization

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Austin Gregory	Implemented Custom Layout/Status Report Creation	6	17
Peter Marasco	Created Menu Options for Nodes	6	21
Blake Mulnix	Existing Code Alterations	6	21
Matthew Schaffer	Researched Cytoscape	6	17
Kyle Ferguson	Fixed Node Styling	6	17

Plans for Coming Week

- Additional Changes to Menu Options for nodes - Peter
    - Allow on-click menu options for nodes to provide additional information
- Test Custom Layout - Austin
    - Test newly implemented layout and make additional alterations
- Add Colors to the Graph - Matthew
    - Improve design of graph by adding colors when appropriate
- Alter Node Shape Depending on Node Type - Blake
    - Change shape of conditional nodes to diamond instead of rectangle
    - Look into other possible node shape changes
- Merge All Code — All members
    - Merge our code onto a single branch