

SE 491 - sdmay20-54

Enabling Repeatable Graph-based Experimentation and Education

Week 1 Report

10/15-10/22

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

- Environment Setup - all members
 - Imported source code of current project progress to our personal machines
 - Downloaded software necessary for project progression (Jupyter, Atlas)
 - Export graphs and test graph visualization
- Identified Bugs/Features to be Fixed/Added for Project Progression - all members
 - Graph nodes should resize based on text
 - Shape of graph nodes should change based on form (conditionals)
 - Control-flow graph should be smoother and appearance should better align with the actual flow of code execution
 - Text should look cleaner (ie should break into multiple lines after a certain length)
 - Color-coded statement types (return, assignment, within block, etc)
 - Fix 404 Error in Jupyter
 - Increased graph interactability

Pending Issues

- Can't test modified code (JAR issue?)
- 404 Error in Jupyter adds steps to graph visualization

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Austin Gregory	List of bugs/features to add, environment setup	6	6
Peter Marasco	List of bugs/features to add, environment setup	8	8
Blake Mulnix	List of bugs/features to add, environment setup	7	7
Matthew Schaffer	List of bugs/features to add, environment setup	6	6
Kyle Ferguson	List of bugs/features to add, environment setup	6	6

Plans for Coming Week

- Research Cytograph - Austin, Kyle, Matther
 - Research the software used in the project to identify tools that can be used to fix the identified bugs/features
- Fix 404 Jupyter Error - Peter
 - Identify and solve the 404 Error that occurs when attempting to visualize graphs in Jupyter Notebook
- Solve Code Modification Issue - Blake
 - Identify and solve the issue where code modifications are not affecting the graph visualization (Potential JAR issue)

