Project 2 Phase 3 Development Log

Jayaharini Maheswaran : GUI Interface, Instruction Document, SQL Queries
- 9/30: Create GUI interface sample using the tutorial given by the TA.
- 10/2: Implement text boxes and plan structure for the GUI Interface.
- 10/4: Ran into issues with the current template for GUI interface, so implemented a new interface that includes text fields for user input. Added buttons for the text fields to click enter with the keyboard or button action. Implemented the ActionListener into the interface.
- 10/5: Duplicated the buttons, test fields, and ActionListeners for all of the commands from the JDBCCmdLine file. Updated the JDBCCmdLine to append output to a string instead of outputting to a terminal. Redirect result string to be returned by a function. Implemented this for all the jdb commands. Ran into issues with arguments array, and adjusted code to take in parameters and append to the command string before passing to the JDBCCmdLine getResults() function.
- 10/6: Tested different commands and parameters to see the results of the command running. Update formatting of window.
- 10/7: Make a program instruction document to demonstrate how to run the program and use the GUI.

Jack Brady : Graphviz library and DB schema (I don't have access to the team github so I am emailing my code to the team who pushes it on git).
- 10/1: Setup graphviz API on machine
- 10/3: Worked on designing structure for DB schema
- 10/5: Implemented structure of schema in the dot file
- 10/6: Leveraged graphviz API to create PDF from the dot file and implemented the function which automatically does this.

Seung-Yun Choi : Graphviz library and DB schema
- 10/1: Download graphviz, and xtext to set up on Eclipse
- 10/3: Experimented with the test code provided in Dr. Choe's github to understand how to utilize the graphviz library
- 10/5: Created a structure of the schema on paper, to use as a template when designing the actual final product using the .dot file.
- 10/5: Created the schema using the DOT language (Working with Jack Brady)
- 10/6: Created the code to generate a pdf from the .dot file (Working with Jack Brady)

- 10/7: Met up with the rest of the team to discuss any missing items, and to double check work.

Gian Spatafora
- 10/1: Had to redo search-path and search-and-join functions from scratch, started by making a generic graph class based on geeks4geeks.com graph java class.
- 10/3: Used a BFS algorithm to fill the graph and make it stop once the target
- 10/4: Function to show path between tables, but no way to get the keys that connect them.
- 10/6: Created a container for the graph. It now stores the table name as well as what key connects it to another graph.
- 10/7: Created query to join the tables for the search-and-join command. Made a function to create the dot file for the schema.

Logan Keim
- 10/2: Work together with Jayaharini to plan out GUI
- 10/4: Assisted in implementation of the ActionListeners and what the idea operations are
- 10/5: Work with Jayaharini to update Command Line class to append to a return string instead of printing. Initially used a label to do output, format with html tags.
- 10/6: Found a better way to do output so work on learning how to use JTextArea. Change the Command Line class to use \n instead of <br/>. Implement a scroll bar for longer outputs