Jacob Madsen

Programming Journal

6/24/19

Added the ability to enter the hours completed

Created a read only text field for the required hours

Created a slider that goes 0 to 30

Calculated the required hours

Set the result of the calculation to the read only text field

6/25/19

Polished the layout of the panel using GridBagLayout

Finished the panel for the hours

Removed slider from the hours panel

Created a new JPanel to hold a combo box that takes the sliders place

Create two buttons one for calculating the progress and one for exiting the program

Created display for progress

Fixed Bug where the program dislpays “Infinity%” if the user hasn’t specified the required hours

Added a menu bar with a file menu for another alternative for closing the program

Created a help menu that has items that display long useful messages about the program -

Dropped the feature of allowing the user to set the required hours for the month do to conflicts with the combo box that sets it already

11/26/19

Refactored code to be able to use NetBeans graphical designer tools for java Swing

Removed the menu bar completely

Refactored conditionals to use labels as error messages instead of popups

Added timers so that the error messages disappear

Added exception handling for when the text box strings are empty

Created an error message for when the program attempts to divide by 0