Mice Visualization team
CPSC 430, section 1, Spring 2017
4/19/17

Functional contributions to the source code, listed by developer:

Parker Rowland:
- AppStageController.java:
  - Session, Mice, and Grid object instantiation
  - showHelpDocumentationAction()
  - GenerateFileMenuTab()
  - promptExportFile()
  - exportAnimation()
  - exportImage()
  - About()
  - addEnterKeyDisplayToChoiceBox()
  - addEnterKeyToggleToCheckBox()
  - addTabKeyNavigationToTextArea()
  - applyDataRangeChoiceBoxSelectionToTextArea()
  - addToggleGridOptionActionToCheckBox()
  - updateSessionTextAreaContent()
  - redrawGridUponWindowResize()
  - initialize()
  - drawCanvas()
  - restoreState()
  - lockVisualizationOptions()
  - unlockVisualizationOptions()
  - resetToDefaultState()
  - refreshListOfSessions()
  - getFileExtension()
  - getByteSizeSummary()
  - openFileAction()
  - deleteSessionFileAction()
  - loadSessionFromManagerAction()
  - checkCommonAnimationParameters()
  - generateMapFunction()
  - generateMapAction()
  - saveFileAction()
  - exitApplication()
  - debugAlert()
  - simpleAlert()
  - showSessionFilePrompt()
  - loadSessionFile()
  - isFileNameValid()

- ◦ showInvalidFileNameWarning()
- ◦ getPathOfCurrentlyExecutingJarFile()
- ◦ getSessionsFolderPath()
- ◦ checkIfSessionsFolderExists()
- ◦ constructSessionFilePath()
- ◦ createSessionFile()
- ◦ showRetryFileCreationPrompt()
- ◦ promptUserToCreateNewSessionFile()
- ◦ openFile()

- Grid.java:
  - ◦ Class design
  - ◦ Grid()
  - ◦ addSector()
  - ◦ getSectorByGridIndex()
  - ◦ drawSectorsBackground()
  - ◦ drawSectorsGridlines()
  - ◦ drawSectorsNumbers()
  - ◦ makeGridLinesCanvas()
  - ◦ makeGridNumbersCanvas()
  - ◦ toggleGridLines()
  - ◦ toggleGridNumbers()
  - ◦ calculateDimensions()
  - ◦ redraw()
  - ◦ exportFrame()
  - ◦ resetGridSectorsInfo()
  - ◦ calculateGridSectorHeatMapInfo()
  - ◦ staticHeatMap()
  - ◦ stopAnimation()
  - ◦ animatedHeatMap()
  - ◦ animatedOverlayMap()
  - ◦ moveInfoLayersToFront()

- Session.java:
  - ◦ All code

- Mice.java:
  - ◦ All code

- Mouse.java:
  - ◦ All non-color assignment related code

- MouseLocTime.java:

- ◦ All code

- • GUIScaffold.fxml
  - ◦ All code, except for several lines related to the help documentation and image export

- • Dimensions.java:
  - ◦ All code

Alex Brown:
- • AppStageController.java:
  - ◦ GenerateSessionTab()
  - ◦ GenerateVisualizationTab()
  - ◦ exportImage()
  - ◦ About()
  - ◦ lockExportAnimationOption()
  - ◦ unlockExportAnimationOption()

- • Grid.java:
  - ◦ exportFrame()
  - ◦ moveInfoLayersToFront()

- • GUIScaffold.fxml
  - ◦ Several lines related to the help documentation and image export

Josh Mwandu:
- • Grid.java:
  - ◦ animatedOverlayMap()
  - ◦ staticVectorMap()
  - ◦ animatedVectorMap()

- • Mouse.java:
  - ◦ All color assignment related code

- • VectorFrame.java:
  - ◦ All code