



MainFrame and AddActivityFrame contain auto-generated methods and members from Netbeans. They both contain initComponents(), which initializes all Swing components (buttons, textfields, jtable etc.) This is called in the constructor of the classes. They also include the auto-generated ActionPerformed functions, which call the methods listed.

Main is our main class. It creates the PasswordDialogue Frame, which starts upon receiving the correct password creates the main frame.

Our created data structure is the Activity class. It contains the normal set and get methods for an object. It also overrides toString(); and implements compareTo(Activity o);

The MainFrame class begins with the Log View, which most closely represents the structure of our data file. It gives the most information about the activities in the data file. The Day View shows activities done in the current day selected. The Week View shows activity information over an entire week.

Our data file is a txt file that separates activity values by commas. We then write back to the file, and re-sort when we save the additions and edits.

The AddActivityFrame class is our dialog for adding activities to the data. We are very happy with the solution we created to send the new activity back to the MainFrame, where the ArrayList that holds our data resides. The MainFrame sends an instance of itself to the add frame and gives access to a public addActivity(), which adds an activity to the central data structure.

The JEditorPaneSave class is our diary functionality. It uses a JTextArea as the main area of the diary. When it first opens, it the saved file is loaded in. Once edits are made, the file is written over, and saves the new diary.