|  |  |
| --- | --- |
|  | It seems like it stays in its original location and doesn’t dynamically adjust |
|  |  |
|  |  |
|  | Looks like it overrode my previous button. |
|  | Nothing happens when you select an item. |
|  |  |
|  |  |
|  |  |
|  | I read ahead and the book said this is stupid and to wait |
|  |  |
|  |  |
|  | OK |
|  | Using System.exit(0) this ends the program. The number in the method call is zero normally and any other number represents an abnormal exit. |
|  | ok |
|  | It doesn’t resize the picture just the window frame. Nope it just snaps the window back to the size of the picture. |
|  | It sort of takes over and I can’t see pictures anymore. |
|  |  |
|  | It looks like grid because they’re all the same size. |
|  | Maybe a border layout with no other directions but North and a grid layout inside that? |
|  | I would say border on this one too with no east/west. It looks like the north part has a flow type and the bottom is probably grid. |
|  |  |
|  | Whew, I’m exhausted after all that experimentation. Good exercise. |
|  |  |
|  | It act’s as a “refresh” to reload the image after the changes have been made. |
|  |  |
|  | It sets an error message on the frame letting us know that there is not an image loaded. |
|  | It iterates over each pixel and uses the darker)\_ method from the Color class in Java. |
|  |  |
|  |  |
|  |  |
|  |  |
|  | 3  So we can have a title for our about window. |
|  |  |
|  | JTextField.fireActionPerformed()  Yes using the setEditable or setEnabled methods.  Yes, by adding a listener to the underlying text document. |
|  | In the constructor for the image viewer a method is called that creates all the filter objects and puts them into a list.  A for loop is used to create a menu item/action listener for each item in the list. This is done by using the getName method that’s part of the abstract filter class.  When selected by a user the classes method is called to run it’s apply() method which is overwritten by each individual filter after inherited. |
|  | I’d need to make a new class for whatever I wanted the filter to do. Then in the image viewer class I’d need to add it’s creation and addition to the list. |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  | Has some unintended consequences, but pretty cool. |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  | Card Layout: sort of stacks objects on top of each other like a deck of cards where only the top card is visible at any time.  Group Layout: Groups things together so the field dynamically adjusts to new objects. |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |