Program 5 Algorithm

* 1. Display options
     1. (1) Convert an image to grayscale
     2. (2) Convert an image to vintage
     3. (Q)Quit
        1. If user enters input other than 1, 2, q, or Q warn user and return to step 1a
        2. If user enters 1, skip to step 2
        3. If user enters 2, skip to step 3
  2. If 1 is chosen, ask for in file name
     1. If file name not found, warn user and return to step 2
     2. If file name is found, ask user to enter the name of the out file
     3. Convert the in file and write to out file by reading over the file contents of in file and weighting each color value
     4. Tell user the deed has been done and return to menu in step 1
  3. If 2 is chosen, ask for in file name
     1. If file name not found, warn user and return to step 3
     2. If file name is found, ask user to enter the name of the out file
     3. Convert the in file and write to the out file by reading over the file contents of the in file and darken the blue color value
     4. Tell user the deed has been done and return to menu in step 1
  4. If Quit is chosen, end the program.