

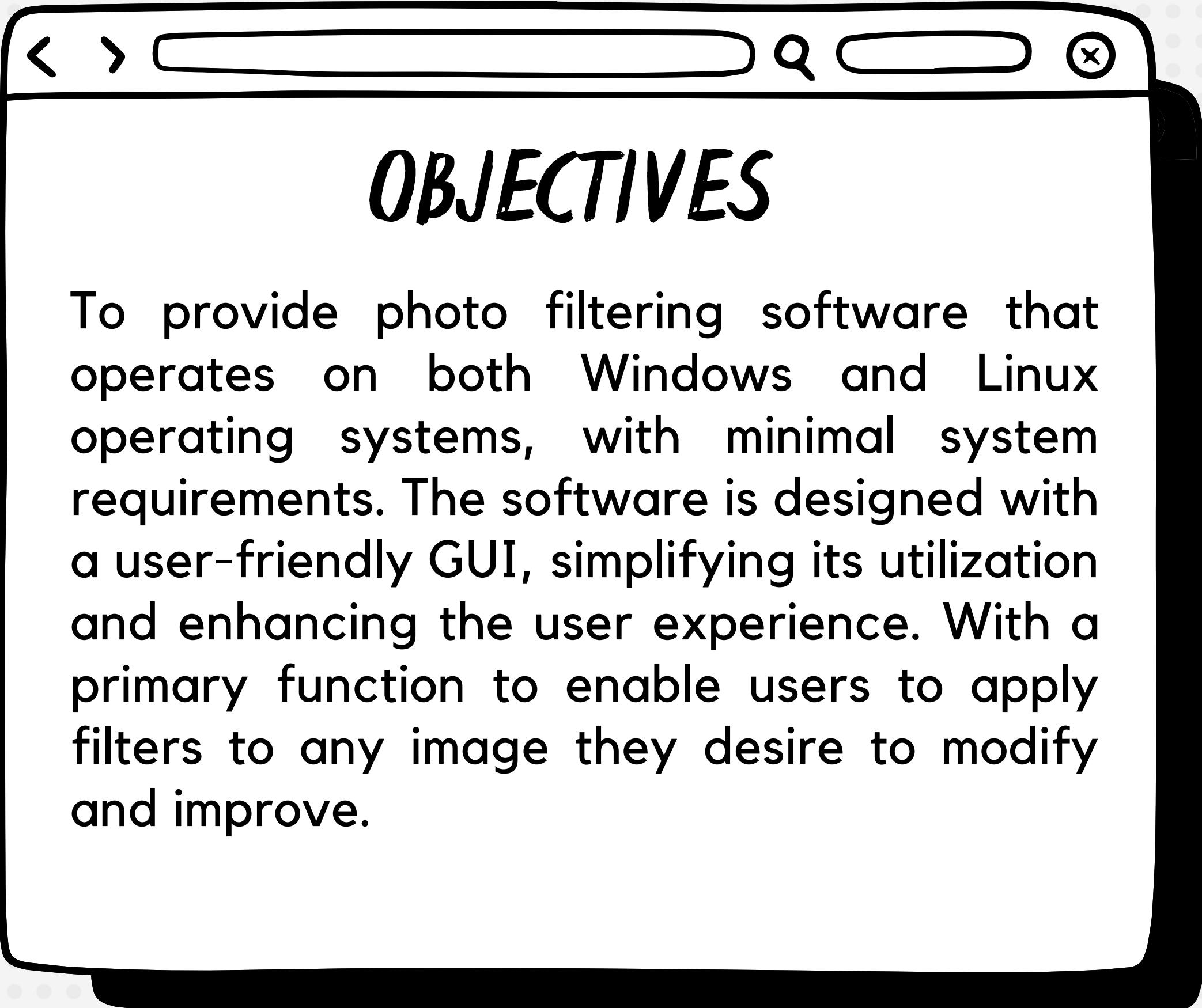


FILTER.IO: PHOTO FILTERING

by Group 3

PROGRAM PROPOSAL



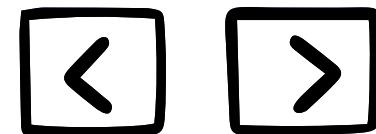


OBJECTIVES

To provide photo filtering software that operates on both Windows and Linux operating systems, with minimal system requirements. The software is designed with a user-friendly GUI, simplifying its utilization and enhancing the user experience. With a primary function to enable users to apply filters to any image they desire to modify and improve.



LIMITATIONS

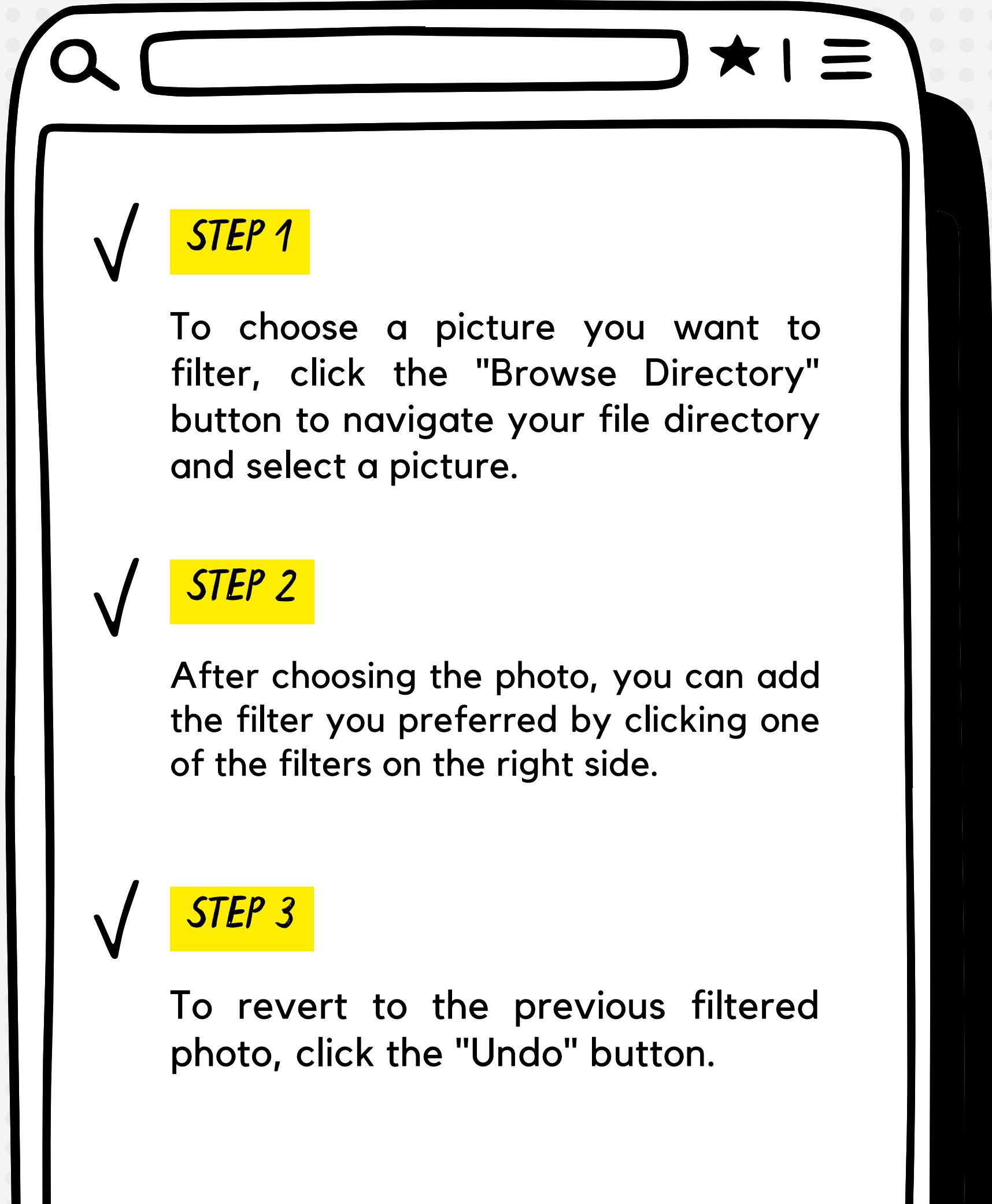


The current version has nine exclusive image filters. Thus, the program will not be able to process other filters that are not included in the program, but which can be added in future updates.

In addition, image processing is limited to one image at a time. But the user now has the capability to change the image being edited in real-time, without the necessity of closing the program, should they desire to switch the image they are working on during the editing process.

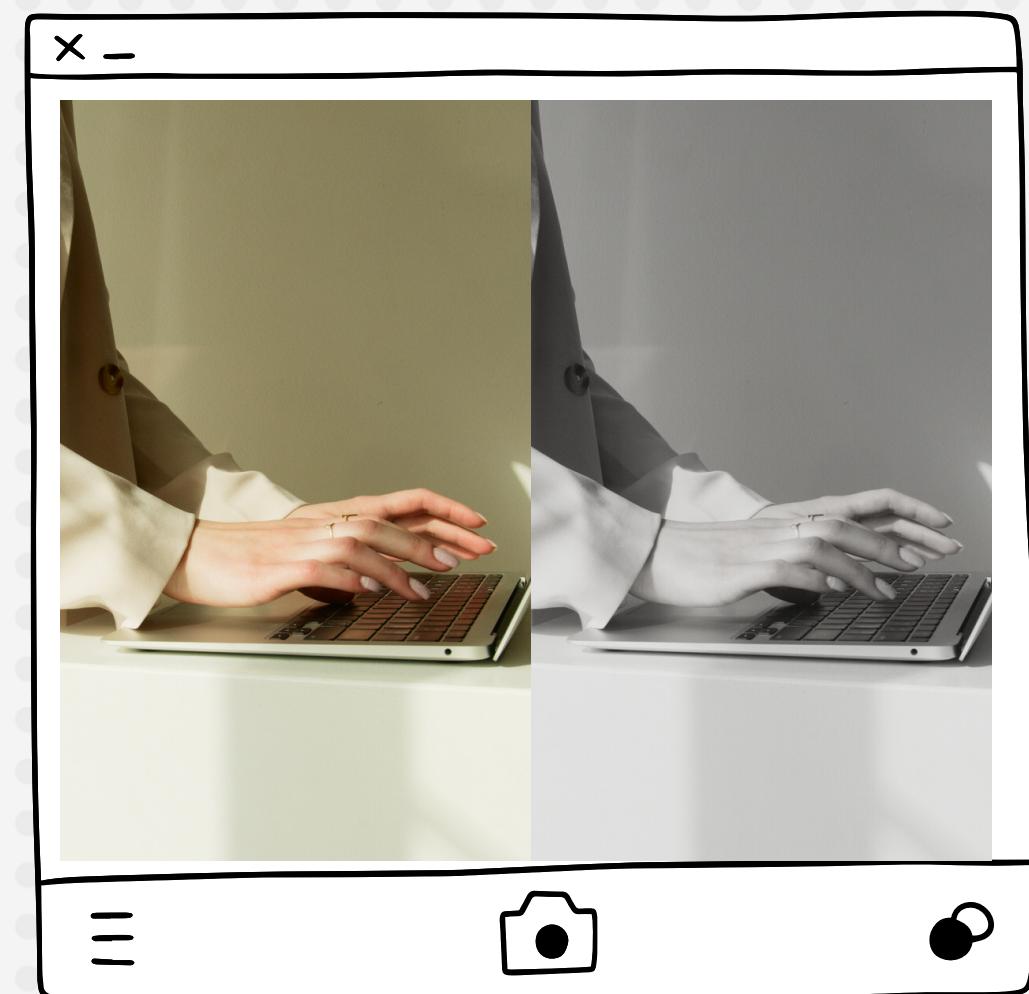
The software works with JPEG, IMG, and PNG image formats; however, it does not work on palette images.



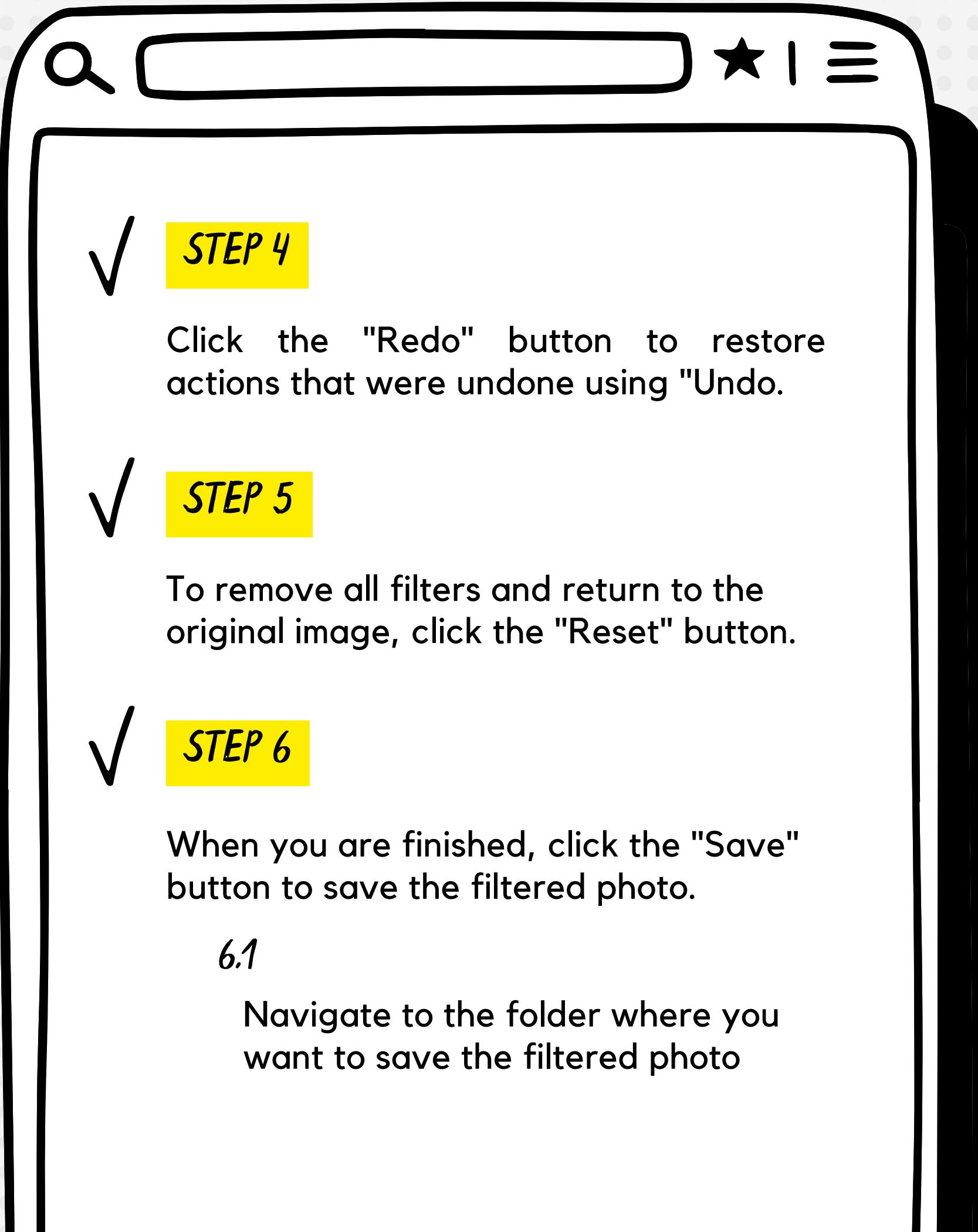


USER MANUAL

How to use this Application?



USER MANUAL ✨



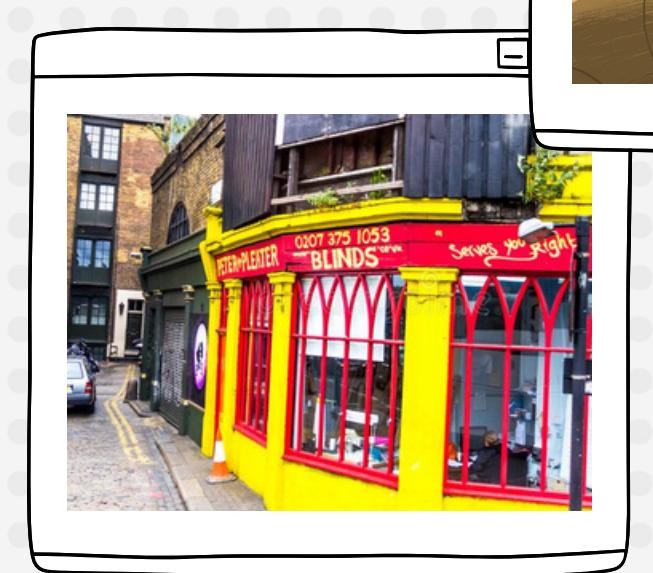
How to use this Application?



USER MANUAL



How to use this Application?



6.2
Choose between .png or .jpg.

6.3
Type a file name.

6.3
Then, click "Save."

✓ **STEP 7**

To exit the program, click the "Quit" button.

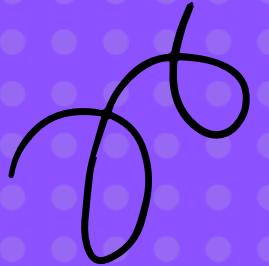
MINIMUM SYSTEM REQUIREMENTS

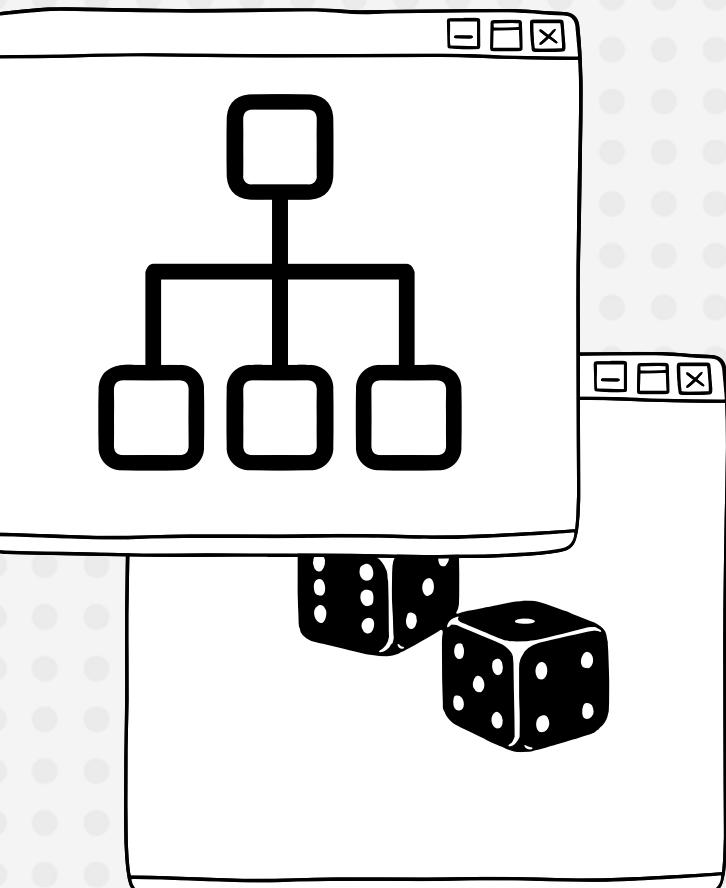
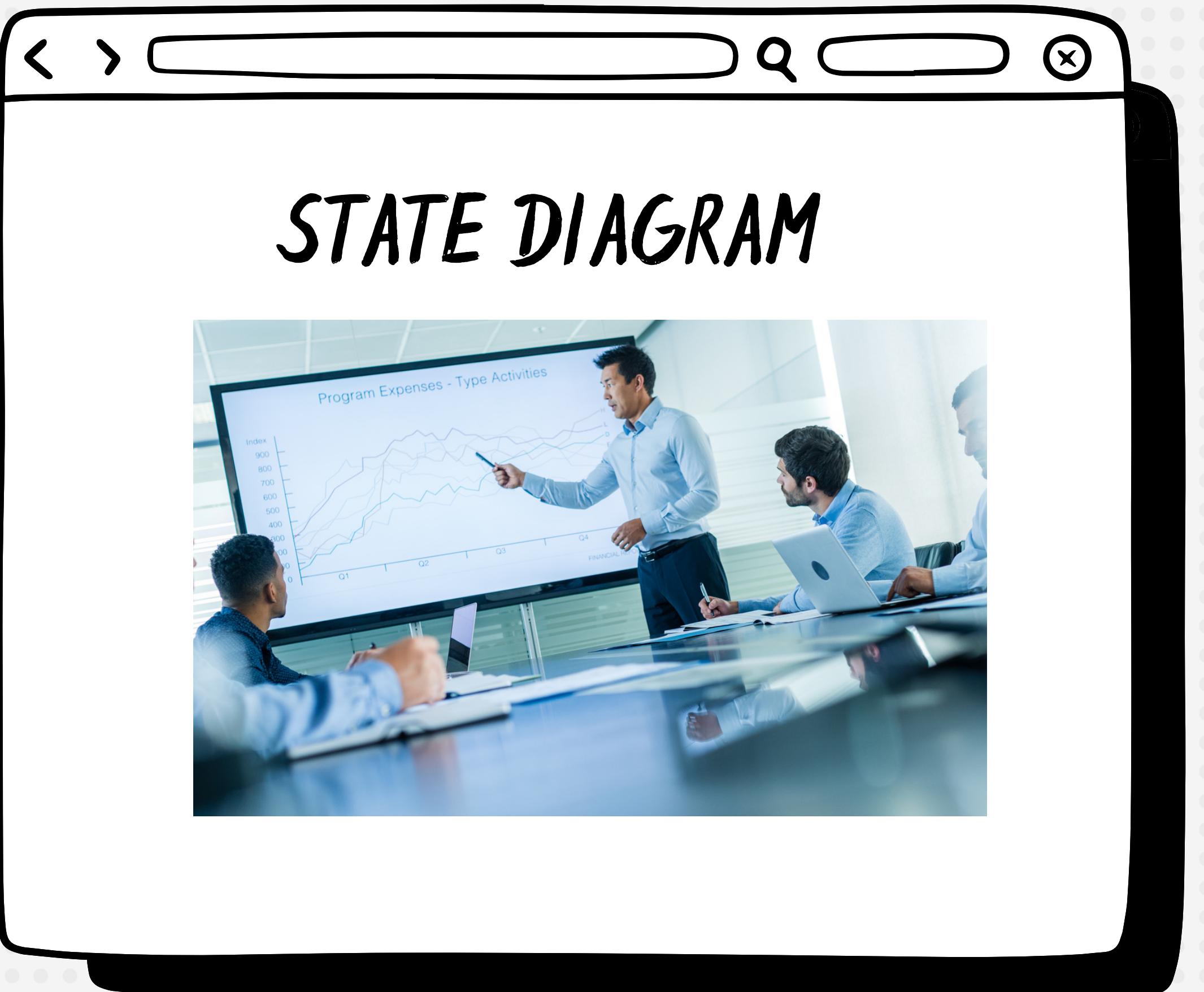
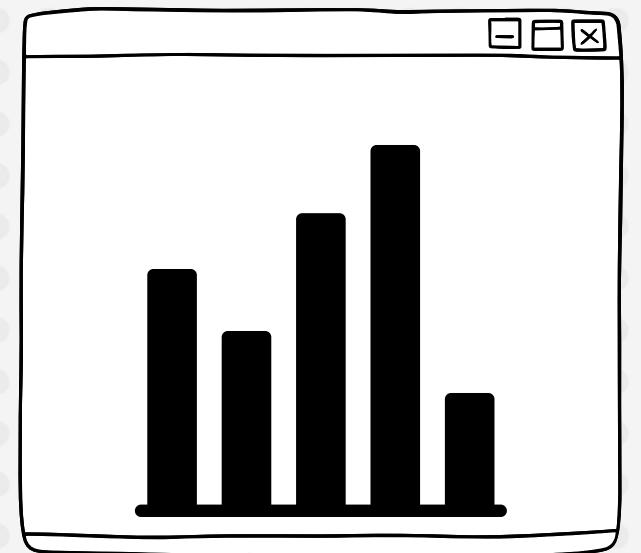


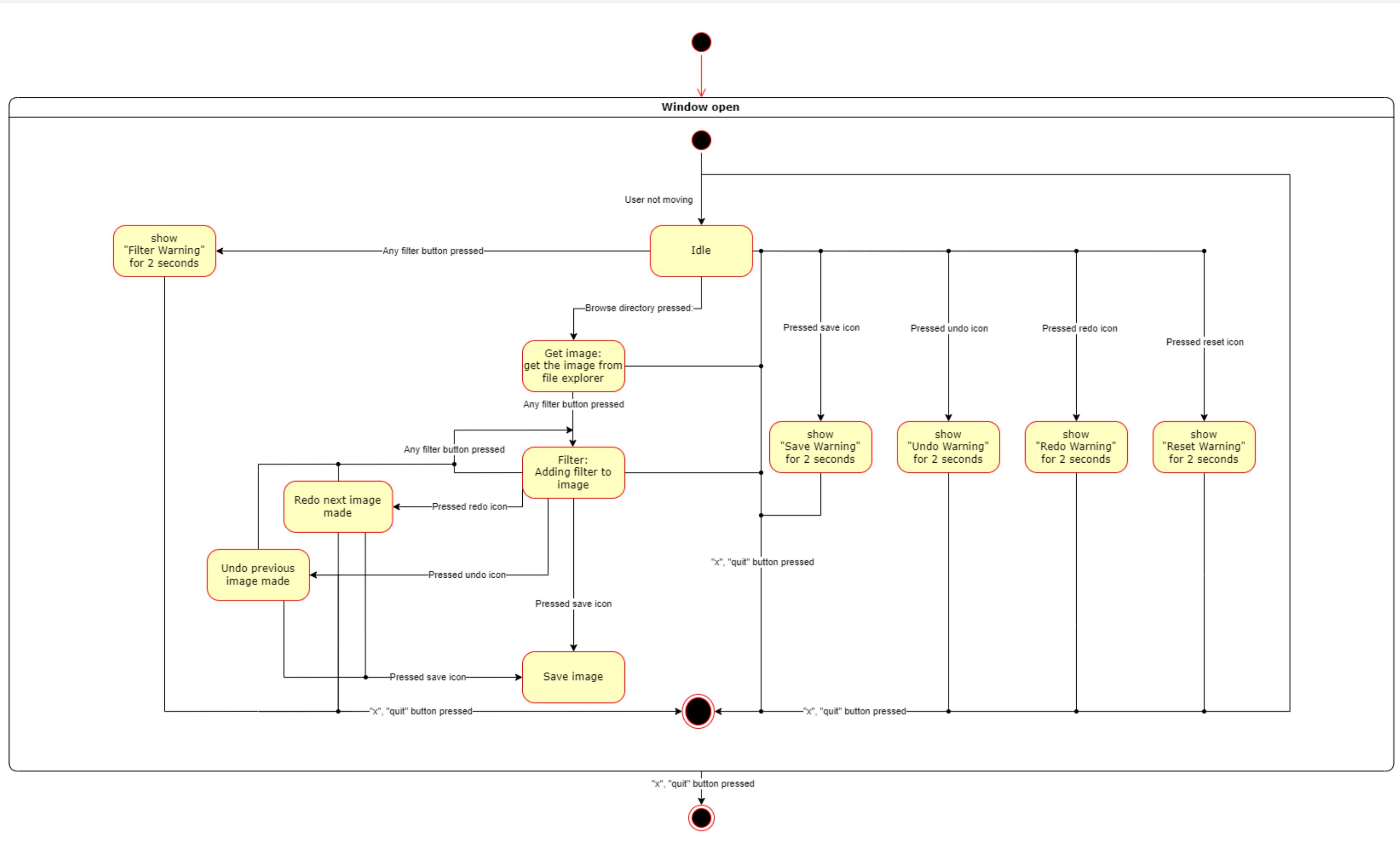
- Operating System – Windows or Linux
- Processor - 640 MHz clock speed (Intel Atom D2550)
- RAM – 1 GB
- Display Resolution - 1280 x 720 pixels
- Hard-Disk Space – at least 50 MB



PLAN FOR DISSEMINATION OF FINDINGS







PSEUDOCODE

ALGORITHM finals

import the needed module

START main

 WHILE "quit" button is not pressed OR "x" button is not pressed

 IF any filter button is clicked without an image

 DISPLAY error message

 END IF

 IF redo, save, undo icons are clicked without an image

 DISPLAY error message

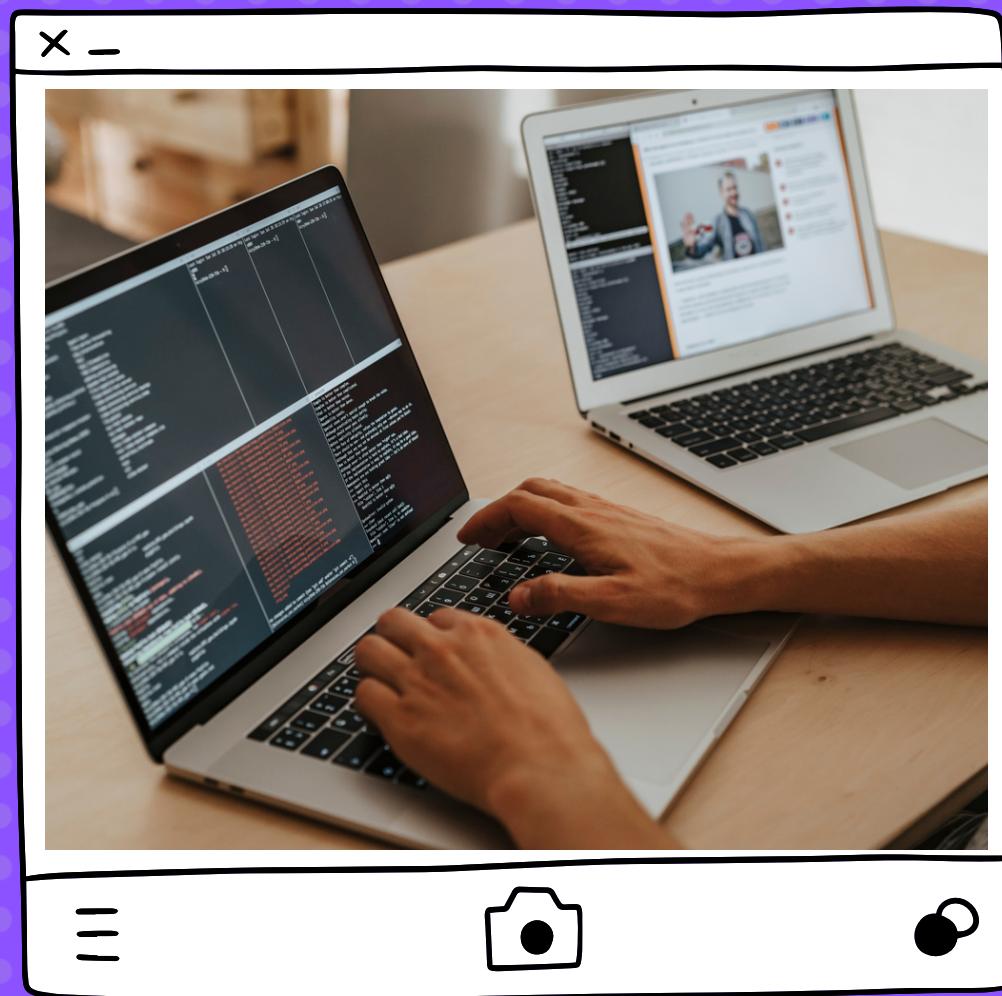
 END IF

 IF "Browse Directory" button clicked

 OPEN file explorer

 IF an image file is SELECTED

 DISPLAY image to window



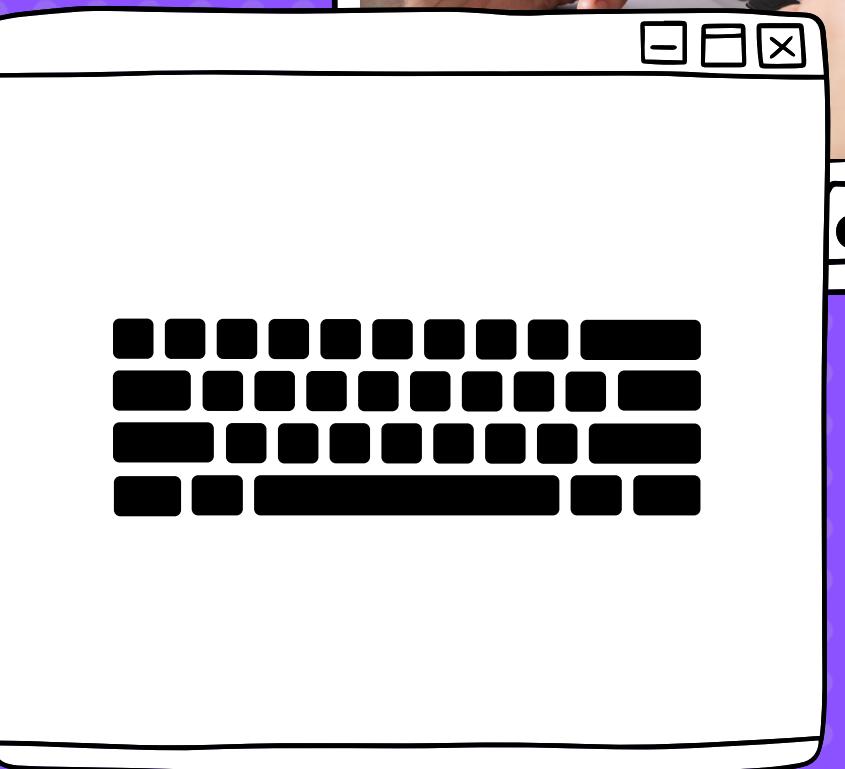
IF any filter button is clicked
 add filter
END IF

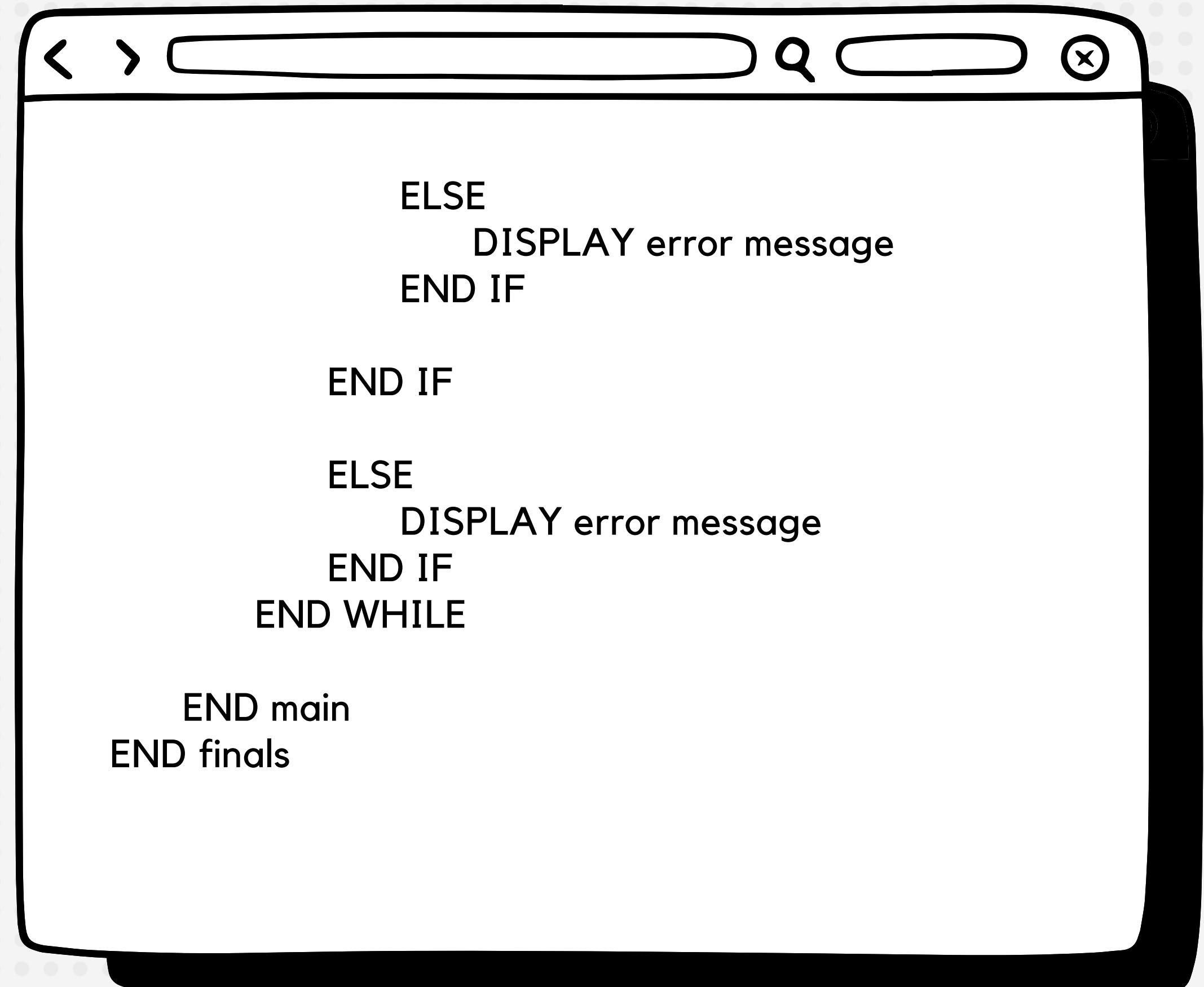
IF save icon is clicked
 save image
END IF

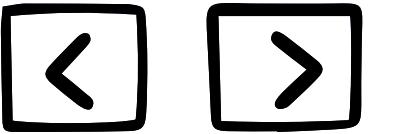
IF redo icon is clicked AND there is a previous version of the image
 redo previous version of the image
END IF

ELSE
 DISPLAY error message
END IF

IF undo icon is clicked AND there is a previous version of the image
 undo previous version of the image
END IF







THANKS FOR
LISTENING!

