

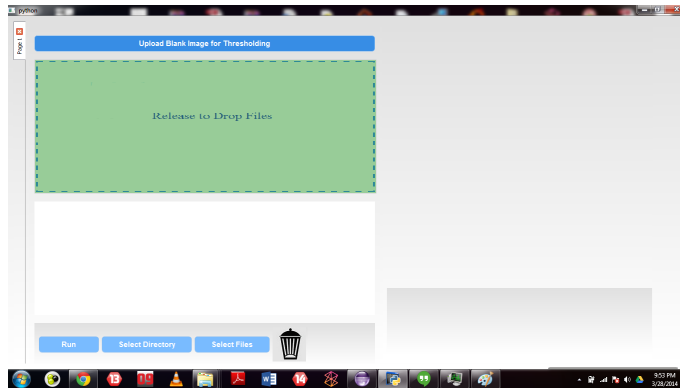
AutoMosaic

User Manual

1) Running the Application

- (1) Go to the folder Automosaic
- (2) Click on Automosaic.exe to start the application

2) User Interface



After the splash screen, user is presented with an interface consisting of 5 major sections. On the upper left side, a drag and drop region is present, in which the user can manually drag images files of the fragments from his desktop or any other folder. On selecting any of the added images, a preview of the same is shown in the lower left half of the interface. At the bottom of the screen are an array of buttons whose functions shall be described in detail, in the upcoming section. After processing the fragment images, the output image files are displayed on the panel at the lower right side of the interface. On selecting the output image files a bigger preview of the same is displayed in the area above the panel on the right side. While the images are being processed, the upper right area of the screen displays the number of the unmerged fragments left, to help the user estimate the remaining time.

3) Keyboard Shortcuts:

- 1) Ctrl + T : adds a new tab
- 2) Ctrl + W : closes the selected tab
- 3) Ctrl + F : Select Files
- 4) Ctrl + D : Select Directory
- 5) Ctrl + R : Start the Mosaicing Process
- 6) Ctrl + W : Delete the selected files

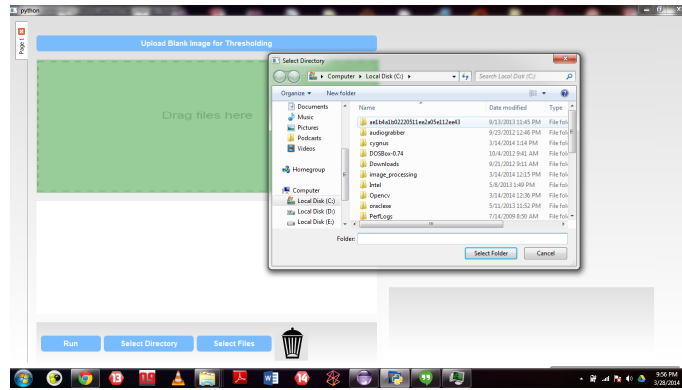
4) Functions and usages

(1) Adding New Images:

1. Open the folder containing images of the fragments to be added.
2. Select the image files and drag them into the drag-and-drop region (upper left side) to add the images.

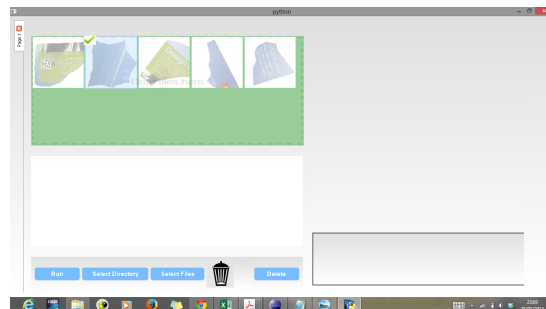
OR

1. Click at the select files button at the bottom panel to open a browse dialog box.



2. Browse to the directory and select all the files to be added.(OR by pressing the shortcut keys CTRL+F opens the select directory dialog)
3. Instead all the files in a directory can also be added at one go by clicking select directory button at the bottom panel.(OR by pressing the shortcut keys CTRL+D opens the select directory dialog)

(2) Removing Images:

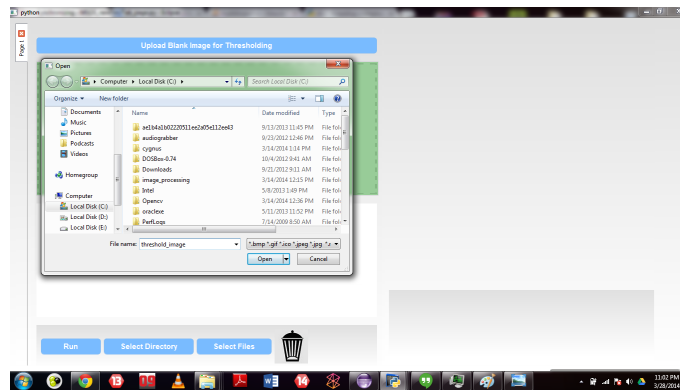


1. Select the images to be removed from the queue.
2. Click on the delete button which appears at the bottom of the screen.(OR by pressing the shortcut key del deletes the selected Images)

OR

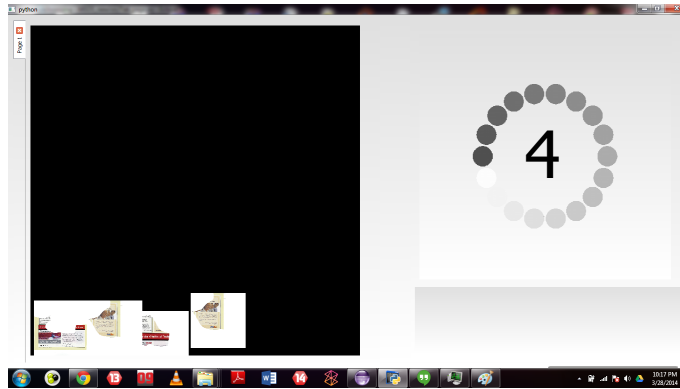
1. Click and hold on the image(s) to be removed and drag it(them) onto the recycle bin icon at the bottom of the user interface.

(3) Setting The Threshold:



1. User should upload a blank image file consisting only of the background color against which the images of the fragments are taken to automatically set the threshold.
2. Click on the upload threshold button. Browse to the blank document location in the dialog box.
3. Threshold value thus obtained shall be used for all following computations unless the value is changed by repeating the above procedure.

(4) Merge The Fragments:



1. Upload the fragments to be merged.
2. After adding all the images, click on the run button to start the merging process.

The upper right panel displays the number of unmerged fragments left.

(5) Save Output:

After the formation of the output image file, the file can be saved in user defined directory.

1. Right click on the image file and select save image option from the drop down menu. A dialog box opens.
2. Select the appropriate directory to save the output file.

