

The Pixelator USER MANUAL

The Pixelator is a simple Java application that pixelates a JPG in three different degrees.

Loading an Image File

Click on the “Load Image” button to pull up the file chooser.

Load Image

Navigate and locate the image file to pixelate. See Figure 1.

Currently, the Pixelator only supports .jpg files, so the file chooser filters only .jpg files.

After selecting a .jpg file, the image will be displayed in its original form.

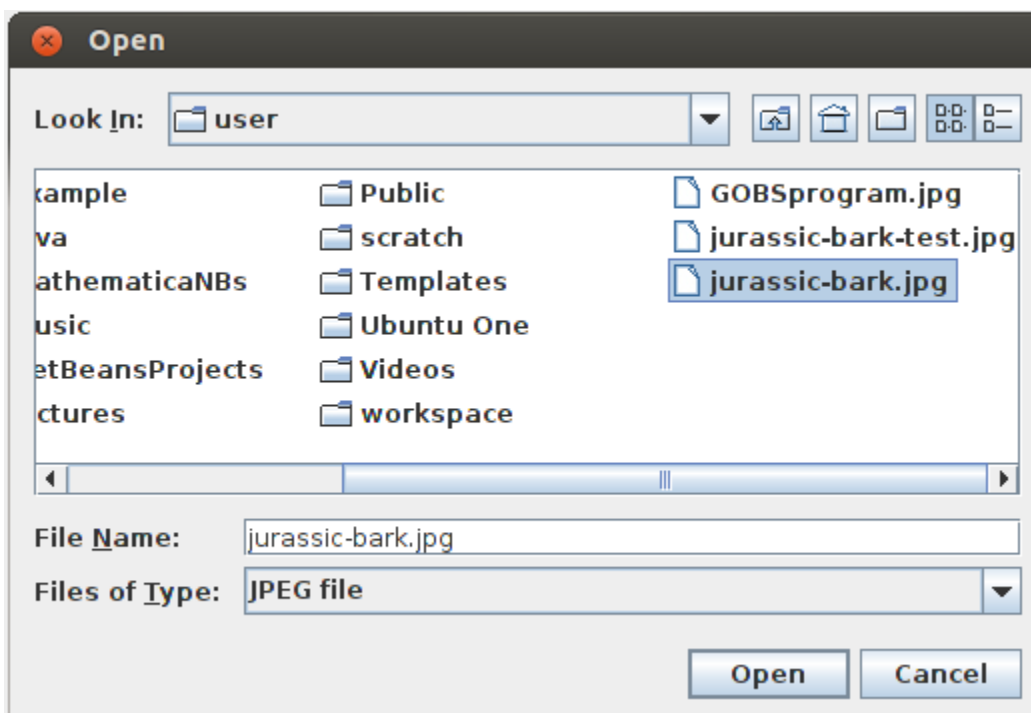
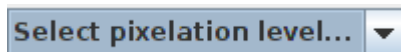


Figure 1: Opening a .jpg file

Pixelating the Image File

After an image file has been successfully loaded, the user can select between three different levels of pixelation that denote the intensity of the pixelation: extreme, moderate, and light.

A drop-down menu labeled “Select pixelation level...” is the location where the user can click on to reveal these different levels of pixelation.



Restoring the Original Image

The user can restore the original image without having to opening the file again through the open-file dialog box by clicking on the “Reset Image” button.



The user can exit the program either by clicking on the quit button or click on “File” and then “Quit.”

Keyboard Shortcuts

Load Image	Alt + O
Reset Image	Alt + E
Quit	Alt + U

APPENDIX

The program is first and foremost visual, so my design decisions were based on this fact. My aim is to create a simple interface that does not distract from the pictures, so I placed all the buttons on the top on a single row. This allows the image to be viewed without the interface being cluttered with buttons or other GUI components.

I chose to load the .jpg files using a button, because it naturally draws attention to itself from the user and it's simple to use.

I used a combo box for selecting the different pixelation levels, because it keeps the interface clean and it is straightforward to use for the user.

The combo box also provides a hint to the user as to its functionality, so it is also an intuitive element of the GUI.

I provided an additional “Quit” button for the convenience of the user.