

# Image Editor App

# README

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## Introduction

The Image Editor App is a Java-based desktop application designed to perform various image editing tasks. It provides a graphical user interface for opening, editing, and saving images. This document provides an overview of the application's features, installation instructions, and usage guidelines.

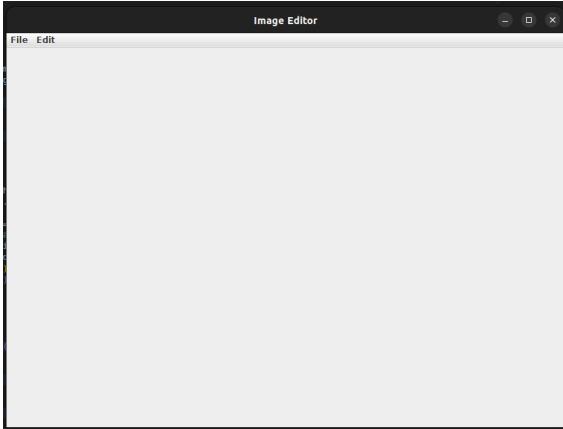
## Features

The Image Editor App offers the following features:

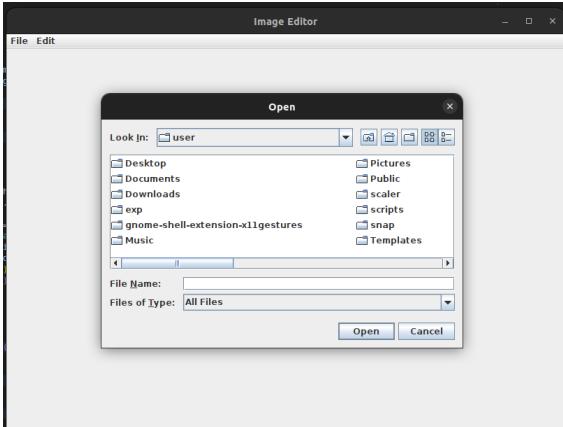
Let's choose this image to try all the features.



1. This is the dialogue box that appears on running the program.



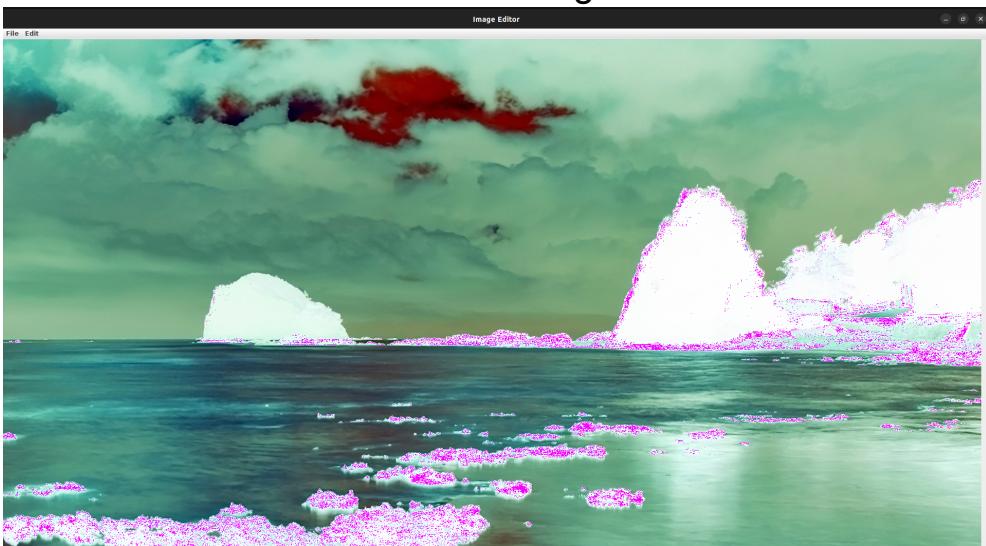
2. Open Image: Open and display images in various formats.



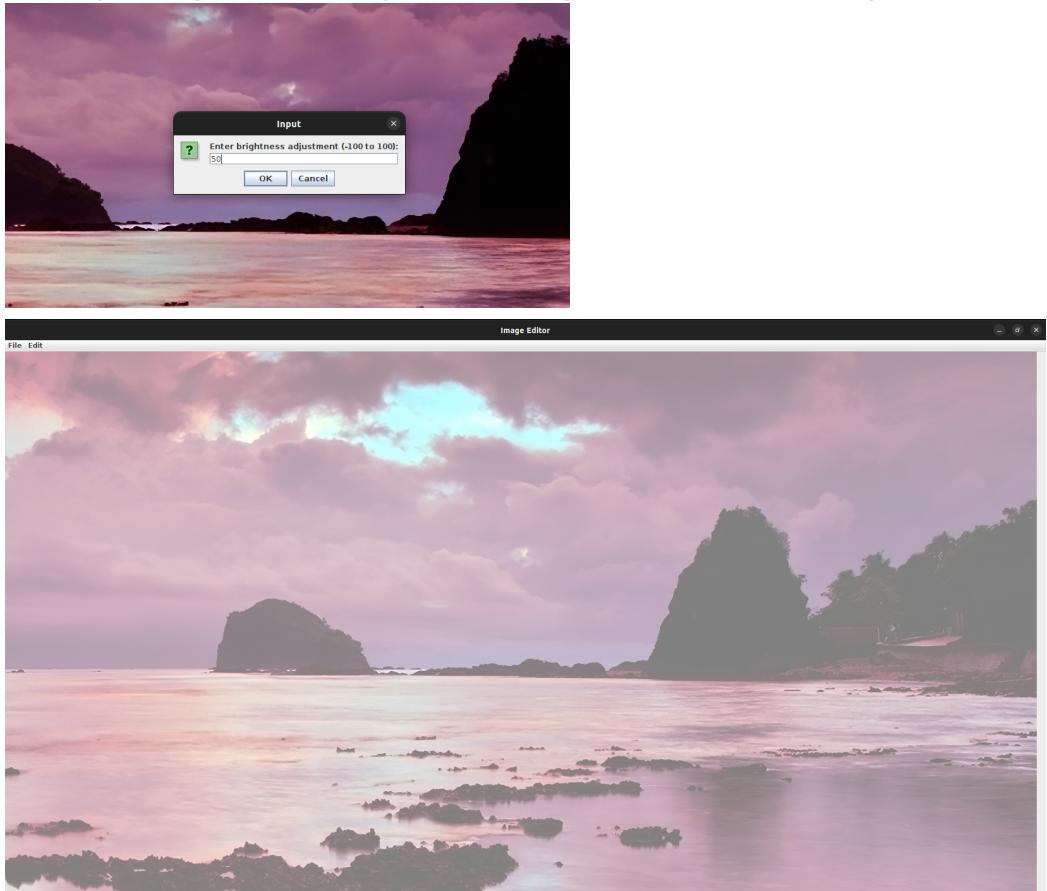
3. Grayscale: Convert the image to grayscale.



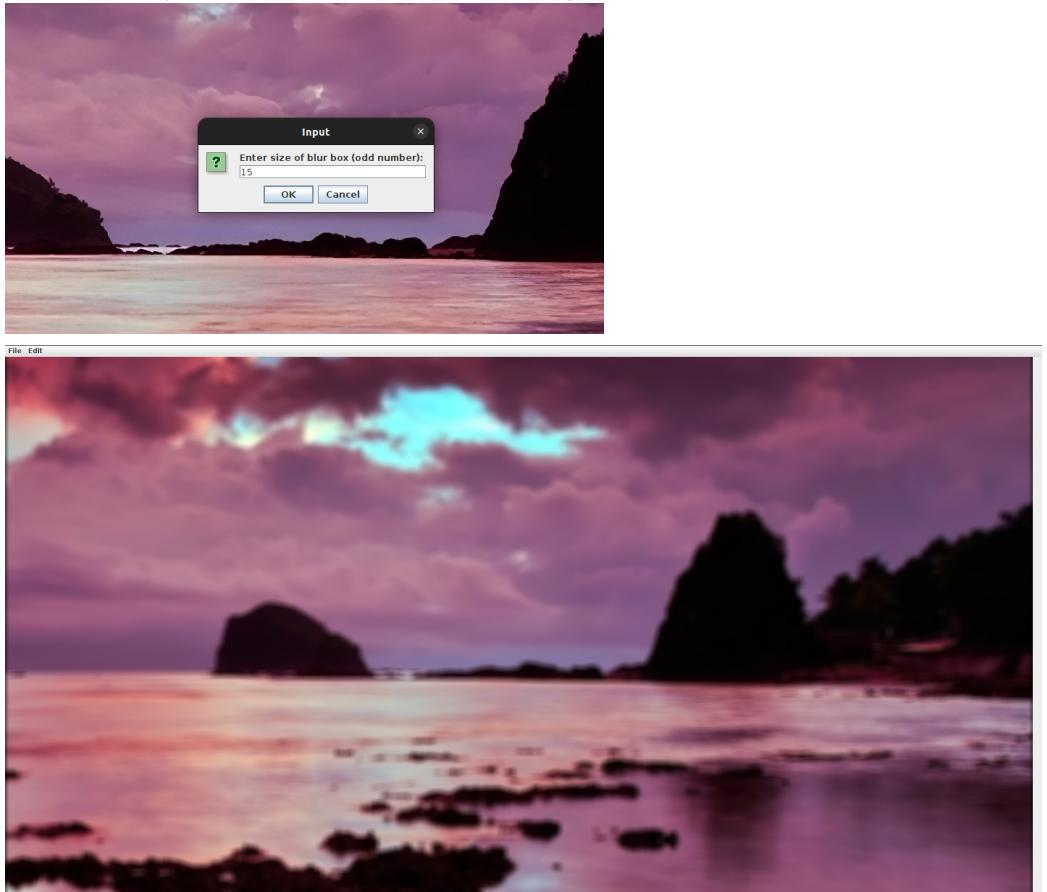
4. Invert: Invert the colours of the image.



5. Change Brightness: Adjust the brightness of the image.



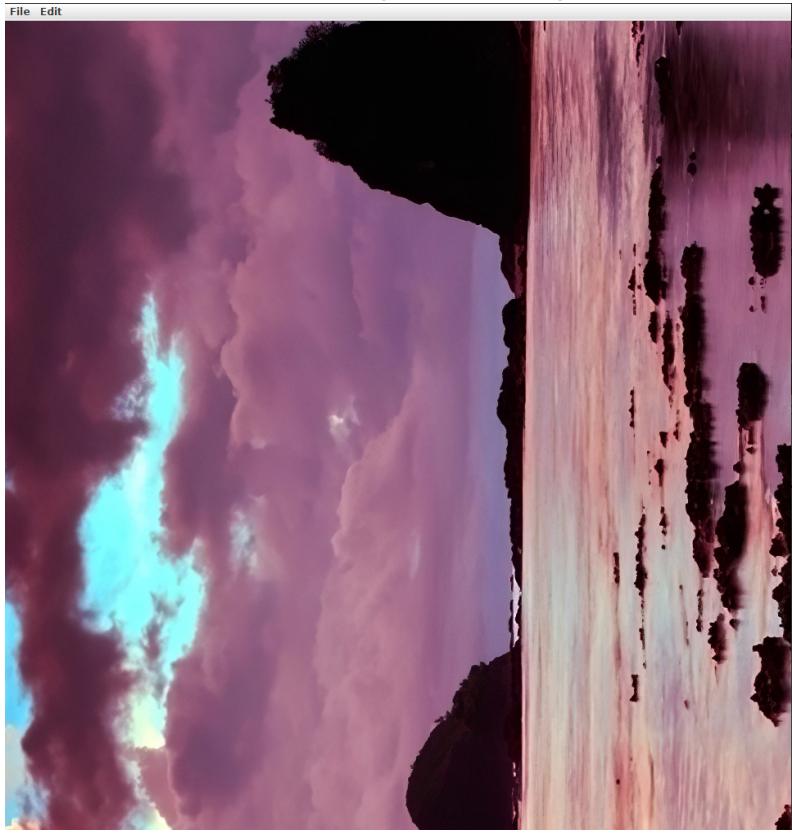
6. Blur: Apply a blur effect to the image.



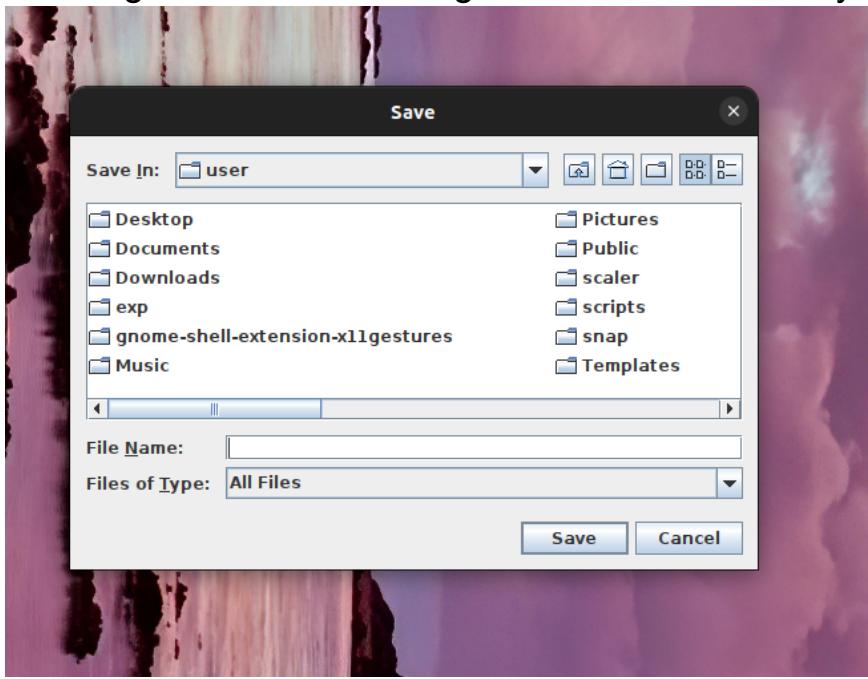
7. Flip: Flip the image horizontally or vertically.



8. Rotate: Rotate the image left or right.



9. Save Image: Save edited images in JPG format and you are done.



## Usage

1. Launch the application.
2. Click on "File" > "Open Image" in the menu to open an image.
3. Use the "Edit" menu to access various image editing tools.
4. After editing, click "File" > "Save Image" to save your changes.

## Packages Used

The Image Editor App uses the following Java packages:

- **javax.swing** : Provides components and functionality for building graphical user interfaces (GUIs).
- **java.awt** : Contains classes for creating and managing windows, frames, and graphical elements.
- **java.awt.image** : Provides classes for creating and modifying images.
- **javax.imageio** : Enables reading and writing of images in various formats.
- **java.io** : Provides classes for input and output operations.
- **java.util** : Contains utility classes and data structures.

## Known Issues

- Blurring large images may result in performance issues.
- GUI is boring.

## Future Enhancements

In future versions, we plan to introduce the following improvements:

- Undo/Redo: Implement undo and redo functionality for editing actions.
- Advanced Filters: Add additional image filters, such as sharpening and edge detection.
- Batch Processing: Enable batch processing of multiple images.