

## IMAGE VIEWER AND EDITOR [IVE] — FROM WEB PERSPECTIVE

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### ABSTRACT

The facets that this image editor deals with to innovate in designing this software which would help us in image viewing and editing, thereby making modifications in digital images to view different effects without destroying the original image.

The notion of an Image Viewer and Editor design from the web perspective was incepted a few months back and then was implemented via development of the actual software.

Several tools have been utilized to assist in achieving goals in these Windows-based programs. One portion of the project was recorded, while taking periodic screenshots of the steps which were adhered for the other portions. The practicality of the software was desired at the very inception and as time elapsed, with considerable experiments and samplings, the Image Viewer and Editor conjured up to the very basic nuance of its essence.

**Keywords:** Image Viewer and Editor, IVE, Cascade, ToolStripMenuItem, Pixels.

### 1. INTRODUCTION

The purpose of this paper is to design image-editing programs. There are several goals which were attempted to be achieved while constructing this innovative work and few more futuristic adjustments will be adhered to.

Firstly, it was to be learnt what kind of image modification tools computer graphic artists use in the modern field today. It was to be experimented with each of these tools to learn how each of the tools would classify in image manipulating software; In this case this Editor software compliments each other to produce an edited product.

Secondly, the goal was to compare advanced image manipulation software to those already existing.

### 2. CONCEPTUAL LITERATURE REVIEW

In order to fully understand the impact of this image viewer and editor in an industrial scenario, it is important to first take a back-seat and ensure what an image editor conjures up with, by having feasibility study and evaluating various scenarios, and why it should be implemented and from what perspective it will be accountable?

Lastly, the conceptual literature review will focus on how an innovative and practical model can be implemented alongside the pre-existing models in the modern trends of an industrial scenario, keeping in mind of both the subject world and the usage world.

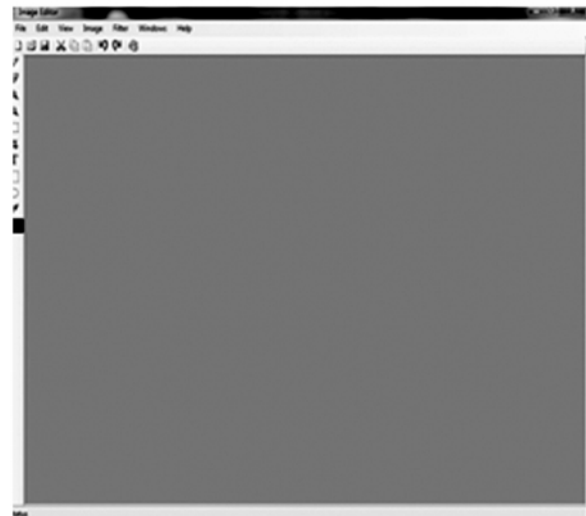
The facets that this image editor deals with to innovate in designing this software which would help us in image viewing and editing, thereby making modifications in

digital images to view different effects without destroying the original image and the very nuances of devising the notion of ensuring the modular design.

The existence of this very model will furnish individuals with a sense of confidence to experiment and examine with various facets and genres of image viewing from web perspective along with image editing from web perspective as well.

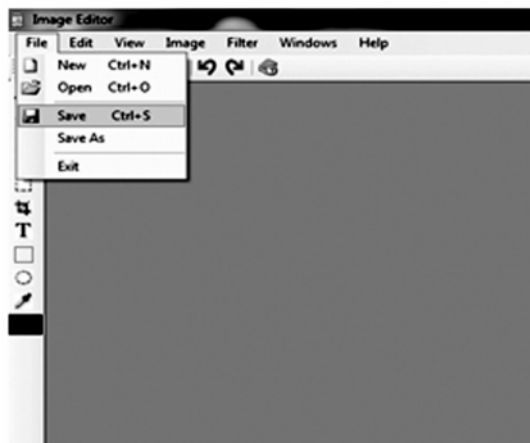
The very inception of this sort of application-oriented innovation would stamp its authority in the modern trends of Modeling, Optimization and Computing, which very well befits the very essence of the esteemed journal.

### PROVISIONS/SUPPORT VIA SCREENSHOTS

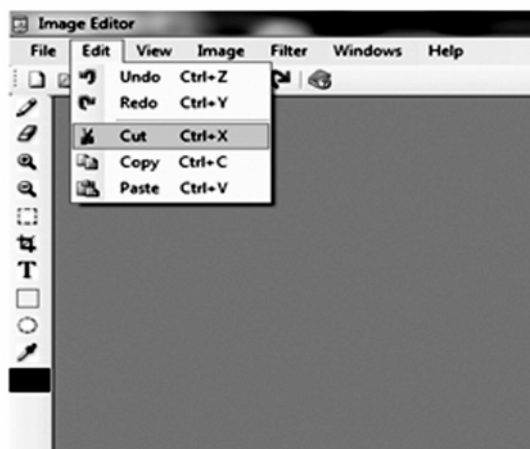


**Main Window**

The main Editor window contains a Menu bar containing: File Menu, Edit Menu, View Menu, Image Tools, Filter Tools, Windows Option and Help Option.



**File Menu**

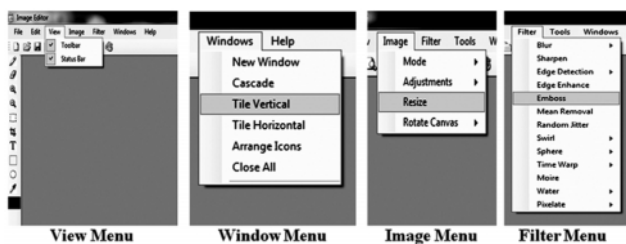


**Edit Mneu**

The code for including the edit menu on the Menu bar if it is desired to be designed dynamically will be as given below:

**Private System.Windows.Forms.ToolStripMenuItem editToolStripMenuItem;**

In this code, the namespace needs a mention, where the static class ToolStripMenuItem is present and followed by the variable name.



The window menu contains all the options needed for controlling the already opened child windows and

even for opening a new window. The options of the window menu are: New Window, Cascade, Tile Vertical, Tile Horizontal, Arrange Icons and Close All.

The code for including the Window menu on the Menu bar if it is desired to be designed dynamically will be as given below:

**private System.Windows.Forms.ToolStripMenuItem windowToolStripMenuItem;**

In this code, the namespace needs a mention, where the static class ToolStripMenuItem is present and followed by the variable name.

The code for including the image menu on the Menu bar if it is desired to be designed dynamically will be as given below:

**Private System.Windows.Forms.ToolStripMenuItem imageToolStripMenuItem;**

In this code, the namespace needs a mention, where the static class ToolStripMenuItem is present and followed by the variable name.

The Image menu is the next menu of the editor window. This menu contains the following options like → Mode, Adjustments, Resize and Rotate Canvas.

The Image menu provides the user with a feel to ensure adjustments to snaps according to the needs and requirements. The editor characterizes with its user-friendly traits.

The filter menu of the editor contains all the basic image filters needed to edit an image. Image filtering allows an individual to apply various effects on photos/snaps.

The type of image filtering described here uses a 2D filter similar to the one included in Paint Shop Pro as User Defined Filter and in Photoshop as Custom Filter.

**IMPLEMENTATION VIA CASE STUDY**



**3. CONCLUSION**

Using IVE, an individual can organize and edit photos from the computer in quick and simple steps. Arrangement of photos into folders and albums and erasing their blemishes using powerful editing tools can be accomplished by the editor at utmost ease.

The IVE window also contains a tool strip bar which contains the basic editing tools like pencil, eraser, crop icon, etc. Using which we can easily modify the required image in a desired manner. This tool makes the editor a bit more user friendly, thereby ensuring a novice use it easily along with editing his/her images.

This editor is very user friendly, thus, anyone who can operate a computer can easily use it as an editing tool. This editor does not contain any complex concept of layers, as used by MS Paint, which makes it a very handy tool for editing. The editor does not only work as a basic image editor tool but also contains some tools for drawing images. One of the unique points of the IVE is that to open a new form, an individual has to give the file name, width and height of the form in pixels.

Basically, this software has the culmination of both MS Paint and the major options used in Photoshop, like various filters and image mode options. Hence, it is quite evident that the use of IVE would accommodate all the

salient features of the two established distinguished software.

#### REFERENCES

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