

Image Editing Website (PicslCraft)

Proposal for Major Project

Submitted to the

DEPARTMENT OF

COMPUTER SCIENCE AND ENGINEERING



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Introduction

Picslcraft is an open source image manipulation program in which we can edit an image however we want. Adding text, Applying filters, Painting, Cropping, Rotating, Converting To Pdf, Pdf editing, Changing format, Drawing etc. and many more features are in this program. It is very easy to use, so without any knowledge of image editing you can create amazing pictures using this application. After editing the image you can download your image in any format.

Whether you're a professional photographer, a graphic designer, or simply someone who loves to enhance their photos, you've come to the right place. Here creativity knows no bounds and your visual dreams come to life!

Our platform offers a seamless and intuitive user experience, designed to empower users of all skill levels to unlock the full potential of their images. With a wide range of powerful tools and features at your fingertips, you can effortlessly transform your photos into stunning works of art.

From basic adjustments like cropping and colour correction to advanced techniques such as retouching and compositing, our comprehensive suite of editing tools has got you covered. And with our extensive library of filters, overlays, and effects, you can add a touch of magic to your photos with just a few clicks.

Software And Hardware Requirements

Software requirements:

- i. Operating system: Windows, Linux, Mac
- ii. Text editor: Visual Studio Code
- iii. Browser: Google Chrome, Microsoft Edge, Mozilla Firefox

Hardware requirements:

- i. Processor: 1.60 GHZ or above
- ii. RAM: 4GB or above
- iii. ROM : 512GB or above

Need of the Project

1. Users, especially beginners, often require an intuitive and user-friendly interface that makes it easy to navigate the software and access editing tools without confusion.
2. Users need access to essential editing tools such as cropping, resizing, rotating, adjusting brightness/contrast/saturation, and removing red-eye to perform basic edits on their images.
3. Advanced users may require more sophisticated tools such as layers, masks, cloning/healing brushes, perspective correction, and selective adjustments to achieve precise and professional-level edits.
4. Users often seek a variety of filters, effects, presets, and textures to enhance their images creatively and achieve specific visual styles or moods.
5. Users expect the software to offer fast and responsive performance, quick rendering, and smooth editing even when working with large files or performing complex edits.
6. Users may require compatibility with various file formats (e.g., JPEG, PNG, TIFF, RAW).
7. Users often prefer non-destructive editing capabilities that allow them to make changes to their images without altering the original file, enabling easy experimentation and preserving data integrity.

Project Details

HTML : HTML (Hypertext Markup Language) is a markup language used to create and design web pages. It forms the structure, content, and layout for web pages. It is the standard language used for creating web pages and is supported by all modern web browsers. The first version of HTML was written by Tim Berners-Lee in 1993. Since then, there have been many different versions of HTML. The most widely used version throughout the 2000's was HTML 4.01, which became an official standard in December 1999. Another version, XHTML, was a rewrite of HTML as an XML language. HTML documents are made up of a set of elements, which define the content and structure of the web page. These elements are marked up using tags, which indicate their purpose and how they should be displayed. Tags are enclosed in angled brackets, and can be either opening or closing. Opening tags include the name of the element, while closing tags include a forward slash before the name of the element.

CSS : CSS (Cascading Style Sheets) is a stylesheet language used to define the styling and layout of HTML (Hypertext Markup Language) documents. It is used to add style, design, and formatting to web pages and create visually appealing and user-friendly websites. 1996- The first version of CSS was invented. 1998- CSS 2 was released and work on CSS 3 began. CSS 3 was very different from the other versions, for instead of being a single monolithic specification, it was published as a set of separate documents known as modules. CSS allows developers to separate the design and layout of a web page from its content, making it easier to manage and maintain. Developers can create a single CSS file and apply it to multiple web pages, making the design consistent across a website.

Javascript : JavaScript is a programming language often used for developing web applications. It allows developers to create dynamic and interactive web pages by adding interactivity, logic, and functionality to HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets). JavaScript was invented by Brendan Eich in 1995. It was developed for Netscape 2, and became the ECMA262 standard in 1997. After Netscape handed JavaScript over to ECMA, the Mozilla foundation continued to develop JavaScript for the Firefox browser. Mozilla's latest version was 1.8.5. JavaScript was initially developed for client-side scripting, which means that scripts are executed in a web browser. With the introduction of new technologies, such as Node.js, JavaScript can also run on the server-side.