

<SCRIBBLE BOARD>

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Introduction

Welcome to the documentation for our paint web page! Our paint web page is a fun and easy-to-use web-based application that allows you to create and customize your own digital artwork. It has an amazing feature of auto complete shapes which can make your task of drawing shapes easy. This document will provide you with an overview of the features and functionalities of our paint web page and guide you through the various tools and options available to you.

Lets get Started

To get started, simply visit our paint web page on your web browser. Once you arrive at the page, you will be presented with a blank canvas and a set of tools on the left-hand side of the screen.



Features

>>>	Basic Features :
1.	Free Hand Scribbling
2.	Erasing
>>>	Advanced Features :
1.	Support for different kinds of pens
2.	Support for different kinds of inks
3.	Shape support
4.	Support for color fill (as in MS Paint)
5.	Support for cut and move
6.	Shape autocompletion
>>>	Extra Features :

1.	<i>Rotate Objects</i>
2.	<i>Resize Objects</i>
3.	<i>Stroke Color</i>
4.	<i>Stroke Width</i>
5.	<i>Select then remove object</i>
6.	<i>Select tolerance of flood fill</i>
7.	<i>Clear the Canvas</i>
8.	<i>Undo Erase</i>
9.	<i>Download Canvas as svg, png and json file</i>
10.	<i>Download selected as svg and jpeg</i>
11.	<i>Make shadow of a stroke and select it's color, spread and offset</i>
12.	<i>Select and delete on clicking delete button</i>

Description

[Link to all videos folder](#)

[Link to presentation video](#)

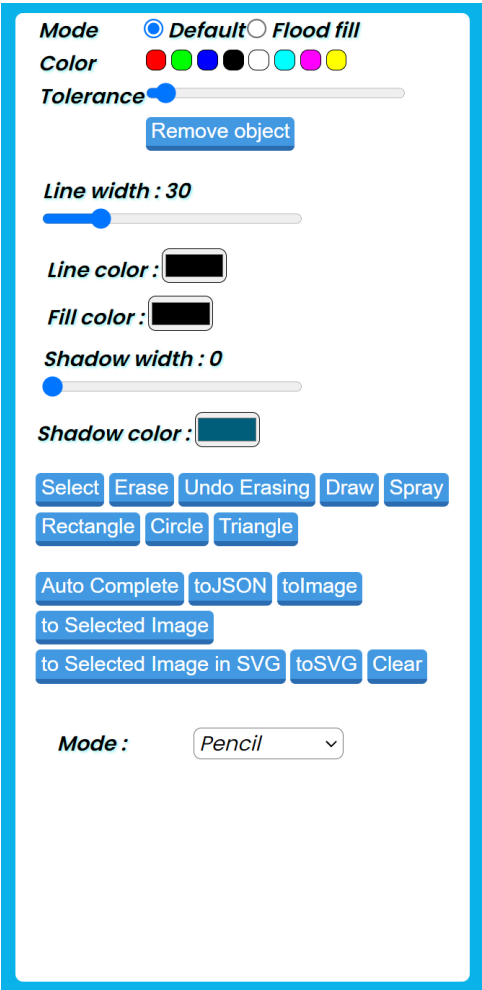
[Link to Code](#)

Canvas

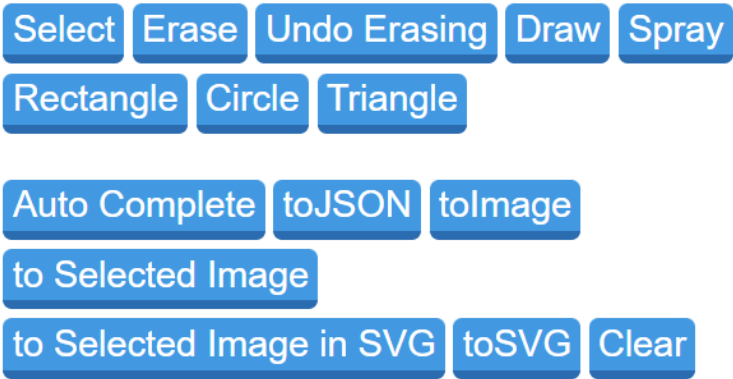
The canvas is where you will create your artwork. All the drawing work should be done in the canvas. The canvas is provided in right side of the tool bar. Canvas can also be saved using the download canvas feature.

Tool Bar

The tool bar is located in left part of the web page. It offers a variety of tools and features to help you create your art. Here is an overview of some of the most important ones :



Tools and Features :



Draw Tool

This is the primary tool for drawing on the canvas. You can change the size, opacity, and color of the brush to create different effects. To draw first click on draw button and you will be able to draw on the canvas.

[Link to video](#)

Erase Tool

If you make a mistake, don't worry! You can use the eraser tool to remove any unwanted marks from the canvas.

[Link to video](#)

Shapes

It also provides templates for shapes which allows you to draw shapes like rectangles, circles, ellipses and triangles. You can also fill these shapes with color, drag and drop on the canvas, save or delete by selecting it etc.

[Link to video](#)

Support for different kinds of pens

This application provides different kinds of pen modes such as pencil, circle, spray and pattern which will make your drawing more attractive.

[Link to video](#)

Line Color and Width

In the middle part of the tool bar, you will see a color picker "Line color". You can choose any color you like by clicking on it. You can also adjust the thickness of the brush by using the slider "Line Width" above the line color option.

[Link to video](#)

Line width : 22



Line color :

Saving Options

Once you have completed your artwork, you can save it on your pc by clicking on the "tojson", "toimage", "tosvg" button present in tools and features.

[Link to video](#)

Drag and Drop

To use drag and drop, select an object on the canvas and drag it to a new location. You can also drag an image from your computer and drop it onto the canvas.

[Link to video](#)

Color Fill and Tolerance

To fill an area with color, select the Fill Bucket tool and click on the area you want to fill. You can also use the tolerance bar to adjust the tolerance for filling of colors.

Note: While changing the modes between default and flood fill we have to keep the select button on.

[Link to video](#)

Rotate and Resize Objects

To rotate an object, select the Rotate tool and drag the object to the desired angle. To resize an object, select the Resize tool and drag the edges of the object to the desired size.

[Link to video](#)

Clear Canvas

To clear the canvas and start over, click on the Clear icon in the toolbar.

[Link to video](#)

Undo Erase

To undo an erase action, click on the Undo icon in the toolbar.

[Link to video](#)

Remove Object

To delete an object from the canvas, select the object and click on the Delete icon in the toolbar. You can also delete the object by pressing the delete key after selecting the object.

[Link to video](#)

Shape autocompletion

To auto complete shapes we have to first draw the shape with free hand --->click on select--->select the shape you want to automate--->click Auto Complete.

[Link to video\(circle\)](#)

[Link to video\(rectangle\)](#)

Model is deployed on huggingfaces spaces,

the POST API link is : <https://arrayxhunter-shape-classifier.hf.space/run/predict>

from where we are fetching the corrected shape parameters

Shapes fill

This feature allows you to generate colored shapes. This feature can be enabled using "fill color" option.

Choose shape you want to draw --->select the color from fill color option --->draw the shape.

[Link to video](#)

Conclusion

Our paint web page is a fun and easy-to-use web-based application that provides you with a variety of tools to create and customize your own digital artwork. We hope this documentation has been helpful in guiding you through the features and functionalities of our paint web page. We hope you enjoy using the Paint Web Page to unleash your creativity!

Happy painting!

Thank You