Draw a Webpage Manual

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Table of Contents

[Introduction 3](#_Toc532216400)

[How to Start Draw a Webpage 3](#_Toc532216401)

[The Browser-based way 3](#_Toc532216402)

[The Local Documents way 3](#_Toc532216403)

[How to Make your First Webpage 3](#_Toc532216404)

[Draw your first Circle 3](#_Toc532216405)

[Modify your first Circle 3](#_Toc532216406)

[Save your Webpage 3](#_Toc532216407)

[View the Code Behind the Webpage 3](#_Toc532216408)

[Toolbar 4](#_Toc532216409)

[Circle 4](#_Toc532216410)

[Attributes 4](#_Toc532216411)

[Rectangle 4](#_Toc532216412)

[Attributes 4](#_Toc532216413)

[Ellipse 4](#_Toc532216414)

[Attributes 4](#_Toc532216415)

[Wedge 5](#_Toc532216416)

[Attributes 5](#_Toc532216417)

[Line 5](#_Toc532216418)

[Attributes 5](#_Toc532216419)

[Text 5](#_Toc532216420)

[Attributes 5](#_Toc532216421)

[Image 6](#_Toc532216422)

[Attributes 6](#_Toc532216423)

# Introduction

The purpose of this document is to give guidance to those who are new to the Draw a Webpage browser-based application.

# How to Start Draw a Webpage

## The Browser-based way

1. Open a HTML5-supported browser
2. Go to weblab.cs.uml.edu/~ahale/513\_f2018
3. Click the “Try it Now” button

## The Local Documents way

1. Download the project repository from GitHub
2. Open the 513\_f2018 folder
3. Open the src folder
4. Open the index.html document in an HTML5-supported browser

# How to Make your First Webpage

## Draw your first Circle

1. Open the Menu tab at the top of the webpage
2. Go to the Toolbar menu tab
3. Click the Circle button
4. Click anywhere on the canvas within the blue border

### Modify your first Circle

1. Click on the Circle
2. A transformer will appear around the circle indicating that the Circle is selected
3. The Object Info menu tab will automatically open on the left-hand side of the window
4. Change any of the shape’s attributes in the Object Info menu tab (Attribute descriptions under the Toolbar section)
5. Click the Update button at the bottom of the Object Info menu tab

## Save your Webpage

1. Click the Save button at the top of the webpage
2. It will ask if you want to save the project. Click yes

### View the Code Behind the Webpage

1. Open the stage.html file that was downloaded
2. Right-click on an empty space
3. Select “View Page Source”

# Toolbar

## Circle

### Attributes

1. ID: Make Unique. It has a default ID, but it can be changed
2. X-Position: The current x-position of the selected object
3. Y-Position: the current y-position of the selected object
4. Width: size of the selected object horizontally
5. Height: size of the selected object vertically
6. Rotation: The rotation position, in degrees, of the selected object
7. Radius: The radius of the selected circle
8. Fill Color: The color on the inside of the object outlined
9. Fill-Enabled: Select true if you want the selected object to have a fill color
10. Shape Outline Color: The color of the outline of the selected object
11. Shape Outline Width: How thick the shape outline is
12. Shape Outline Enabled: Select true if you want there to be an outline for the selected object

## Rectangle

### Attributes

1. ID: Make Unique. It has a default ID, but it can be changed
2. X-Position: The current x-position of the selected object
3. Y-Position: the current y-position of the selected object
4. Width: size of the selected object horizontally
5. Height: size of the selected object vertically
6. Rotation: The rotation position, in degrees, of the selected object
7. Fill Color: The color on the inside of the object outlined
8. Fill-Enabled: Select true if you want the selected object to have a fill color
9. Shape Outline Color: The color of the outline of the selected object
10. Shape Outline Width: How thick the shape outline is
11. Shape Outline Enabled: Select true if you want there to be an outline for the selected object

## Ellipse

### Attributes

1. ID: Make Unique. It has a default ID, but it can be changed
2. X-Position: The current x-position of the selected object
3. Y-Position: the current y-position of the selected object
4. Width: size of the selected object horizontally
5. Height: size of the selected object vertically
6. Rotation: The rotation position, in degrees, of the selected object
7. Radius X: The radius of the selected ellipse in the x direction
8. Radius Y: The radius of the selected ellipse in the y direction
9. Fill Color: The color on the inside of the object outlined
10. Fill-Enabled: Select true if you want the selected object to have a fill color
11. Shape Outline Color: The color of the outline of the selected object
12. Shape Outline Width: How thick the shape outline is
13. Shape Outline Enabled: Select true if you want there to be an outline for the selected object

## Wedge

### Attributes

1. ID: Make Unique. It has a default ID, but it can be changed
2. X-Position: The current x-position of the selected object
3. Y-Position: the current y-position of the selected object
4. Width: size of the selected object horizontally
5. Height: size of the selected object vertically
6. Rotation: The rotation position, in degrees, of the selected object
7. Angle: The angle, in degrees, the size of the wedge is
8. Radius: The radius of the selected wedge
9. Fill Color: The color on the inside of the object outlined
10. Fill-Enabled: Select true if you want the selected object to have a fill color
11. Shape Outline Color: The color of the outline of the selected object
12. Shape Outline Width: How thick the shape outline is
13. Shape Outline Enabled: Select true if you want there to be an outline for the selected object

## Line

### Attributes

1. ID: Make Unique. It has a default ID, but it can be changed
2. Points: The position of each of the points on the line. MUST be in the form of x1,y1,x2,y2,etc.
3. Line Join Point Shape: The shape of the line at the joints
4. Line End Shape: The shape of the line at the end points
5. Rotation: The rotation position, in degrees, of the selected object
6. Line Color: The color of the line
7. Line Width: The thickness of the selected line
8. Line Width Enabled: Select true if you want the line to disappear

## Text

### Attributes

1. ID: Make Unique. It has a default ID, but it can be changed
2. X-Position: The current x-position of the selected object
3. Y-Position: the current y-position of the selected object
4. Width: size of the selected object horizontally
5. Height: size of the selected object vertically
6. Rotation: The rotation position, in degrees, of the selected object
7. Text Color: The color on the text
8. Fill-Enabled: Select true if you want the text to disappear
9. Text Outline Color: The color of the outline of the selected text box object
10. Text Outline Width: How thick the text box outline is
11. Text Outline Enabled: Select true if you want there to be an outline for the selected text box object
12. Font Family: Choose a valid font for the text
13. Font Style: Choose a valid font style
14. Font Variant: Change the overall look of the text
15. Align: Select the alignment of the text within the text box horizontally
16. Vertical Align: Select the alignment of the text within the text box vertically
17. Padding: The amount of space between the text and the outline of the text box
18. Line Height: The height between each line
19. Wrap: Wrap the text by word, character, or not at all
20. Ellipsis: Select if you want text run off the page to be shown as an ellipsis
21. Text: Change the text inside the text box here

## Image

### Attributes

1. ID: Make Unique. It has a default ID, but it can be changed
2. Image URL: Input a CORS-Compliant image URL. A warning will appear if a non-CORS-compliant image URL is used
3. Use a Local Image File: Choose an image file from your local machine to upload to the site and replace the current Image URL used
4. X-Position: The current x-position of the selected object
5. Y-Position: the current y-position of the selected object
6. Width: size of the selected object horizontally
7. Height: size of the selected object vertically
8. Rotation: The rotation position, in degrees, of the selected object
9. Fill Color: The color on the inside of the object outlined
10. Fill-Enabled: Select true if you want the selected object to have a fill color
11. Shape Outline Color: The color of the outline of the selected object
12. Shape Outline Width: How thick the shape outline is
13. Shape Outline Enabled: Select true if you want there to be an outline for the selected object