Scribble Maps (www.scribblemaps.com) is a free online mapping application with no registration required. It offers features such as setting place marks, adding images, and a number of drawing tools. The maps created can be saved to work on again at a future time, and can be exported into various formats such as, JPG, PDF, KML, CSV, shapefiles, and more. To begin working with this application, simply click on the “Create Your Map Now” button as shown in Figure 1 on the Scribble Maps home page.
Summary of Toolbar Functions

Once the application has loaded, the following Menu & Tools bar in Figure 2 will appear:

![Menu & Tools bar](image)

The basic toolbar functions are summarized below. An un-do and re-do features is newly added and they are the arrow icons next to the search bar. Preview and familiarize yourself with what each icon does.

- **Menu**
  
  Has options for saving/load maps, saving in various formats (image, kml, gpx), sharing, and getting on-demand codes. Also includes a list of your maps when logged in.

- **Edit Overlays**
  
  Move and edit overlays. Can add points to polygons and lines. Additionally, allows you to see shape/line measurements.

- **Drag**
  
  Move the map. Double click to zoom. Also allows for viewing marker content.

- **Eraser**
  
  Delete overlays or line/polygon points. Can remove fill/line from polygons independently.

- **Color Edit & Fill**
  
  Can be used to change the color of lines or fills. Can also fill line shapes (turn them into polygons).

- **Scribble**
  
  Scribble on the map.

- **Line**
  
  Draw straight lines. Lines can be connected by hovering over the end points.

- **Flight Line / Great Circle**
  
  Draw great circle lines. Used to see how planes travel around the globe.

- **Rectangle**
  
  Draw a rectangle and see its size.

- **Circle**
  
  Draw a circle and see its size.

- **Polygon**
  
  Draw a polygon and see its size.

- **Place Text**
  
  Place Text directly on map.

- **Place Marker**
  
  Add a marker to the map, select from our library. Markers can also be rotated after selection in the bottom right.

- **Place Image Overlay**
  
  Place an image directly on the map. Its size can be changed with the edit tool. Images should be hosted on a public service such as imgur.com.

Click on **Menu**. A window will open up with many other functions.
Placemarks

We will be creating a map of three universities located in Downtown Toronto: University of Toronto, OCAD University, and Ryerson University. You will learn how to add placemarks, draw shapes, and add text or photos. Start by typing in “Downtown Toronto” into the search bar and press Enter. Zoom in using the zoom tool on the top right of the page or scroll your mouse until you reach a visible scale that displays all the locations of interest.

First off, you’ll be looking at the University of Toronto. Search up University of Toronto - St. George Campus and press enter.

Zoom into the University Campus and create a placemark by selecting Add Marker. You can also drop a placemark manually by clicking on the place maker icon. When the icon is selected, a window titled “Marker Selection” appears and it stores a variety of options to select the design, size and purpose of the Placemaker.

For this tutorial, navigate to the Places tab, in “High Detail”, locate the School icon shown in Figure 7. Once selected, you may place the marker where the school is located. For every placemark that is set, a bubble will appear prompting for a Title and Description with the longitude and latitude of the
location (also shown in Figure 7). Fill in the Title blank with the name of the university and leave the description blank.

Next, locate the following Universities, OCAD and Ryerson. These two may not show up in the search bar and will have to manually input it using the Placemark icon. Once all the placemarks have been set, your map will look like below.
**Drawing Tools**

**Line Tools**

You’ll be connecting the three Universities to create a triangular route using the **Line Tool** on the toolbar. After the tool has been selected, click on one of the placemarks and drag the mouse towards one of the other schools. This will draw a red line by default. To change the design of the line, prior to or after the drawing, click on the toolbar options as shown in Figure 9. It will allow you to change the colour, opacity, thickness of the line and line type.

![Map with connected universities](image)

The **Eraser Tool** can be used to remove any mistakes or errors you have made while drawing on the map. Simply click on the button and then click on any feature you want to remove and it will be erased.

Another drawing tool available is the **Scribble Tool** with which you can draw freely (i.e. any shape) on the map.

**Shape Tools**

Along with the line tools, there are shapes you can create onto the map as well, they are **rectangle, circle** and **polygon**. The first tool creates rectangles by clicking and dragging on the map until you reached your desired sizes. The second tool creates circles onto the map. The third shape tool creates polygons. The shape of the polygon you create depends on the number and placement of your vertexes.
Remember to double click on the last point to complete the shape. Figure 10 shows an example of the shapes.

The colour and opacity of shapes can be changed using the options on the toolbar shown in Figure 11 below. To paint the shapes, click on **Paint Tool**.
Saving

When you are done with your map, or would like to take a break and work on it at a later time, you can save your map. Click on the **Menu** button on the toolbar to view your options (Figure 4).

![Save Map window](image)

Click on the **Save Map** button. Figure 14 shows the window you will need to fill out to save your map. The Map ID is what you need to recover your map. You can also choose your privacy settings.

The password bar is for future use of the map when you plan to access it again.

Click on **Load / Import** to recover your saved map. Other saving and sharing formats include **JPG, E-Mail, Facebook, KML (Google Earth), GPX**, or **view it online in Google Maps**.

The image below is what your exported KML file would look like in Google Earth.

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May 2018
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