HTML Image Maps
Guide by Rosalind Kidwell for use by the Newcomb Digital Research Interns

An image map in HTML is an image with clickable areas and is defined by using the <map> tag.

Different parts of the image perform different actions (typically opening different links). This differentiates it from an image link.

The relationship between an image and a map tag is the `usemap` attribute that you'll put in the `img` tag, which will be the name of the map attribute, as you can see in the code below.

Code example

```
<img src="workplace.jpg" alt="Workplace" usemap="#workmap">

<map name="workmap">
  <area shape="rect" coords="34,44,270,350" alt="Computer" href="comput
er.htm">
  <area shape="rect" coords="290,172,333,250" alt="Phone" href="phone.h
tm">
  <area shape="circle" coords="337,300,44" alt="Coffee" href="coffee.ht
m">
</map>
```

Shape attribute for each area:

- `rect` - defines a rectangular region
- `circle` - defines a circular region
- `poly` - defines a polygonal region
- `default` - defines the entire region

Coords:
These are the coordinates that that area will cover. This is the trickiest part of making image maps and are defined by the pixels from the top left corner of the image. For example, (50, 20) would be 50 pixels from the left margin and 20 from the top. Therefore,
`shape="rect" coords="290,172,333,250"`
would create a rectangle stretching from one corner at (290, 172) to the other at (333, 250)
Circles are defined by 3 coordinates, so
`shape="circle" coords="337,300,44"`
would be a circle whose center is at (337, 300) with a radius of 44.

href:
This is just the link that will happen on clicking the area defined.

How to make an image map:

The first step is of course to find the image and gather the links desired. Then, you'll want to place the image how you wish it to be displayed on your website and resize the image accordingly. **It is important to do this resizing BEFORE you create the image map.** Otherwise, nothing will line up in the right areas in the image is resized after.

Luckily, making the map is quite easy with this online tool:
★ http://www.isdntek.com/tagbot/imap.htm ★
It will let you upload the image, then drag boxes over the desired "hotspots" and add the link it will activate. Then when you've created each clickable spot you want, press the Make Code button and it will generate the custom-HTML code for you!

Adding to a Word Press site:

To use clickable images, you'll need a site that lets you use custom HTML elements. Simply create a new block, paste the code from the tool above, and it will be ready to use!

Further resources:

https://www.w3schools.com/html/html_images_imagemap.asp