

Assignment 2: Venn Diagram

Student learning outcomes:

1. Students will understand the concept and applications of Venn diagrams.
2. Students will calculate the coordinates necessary to space out circles evenly around the image.
3. Students will blend semi-transparent colors to create new colors.
4. Students will choose appropriate fonts that are both readable and expressive.
5. Students will size the fonts and text to lay out the diagram contents precisely.
6. Students will use copy and paste and SVG groups to reduce the amount of typing involved in this exercise.

Real world applications:

1. A Venn Diagram is a kind of simple infographic. Infographics is currently a huge field because such images can help convey information effectively and efficiently (one of the goals of graphic design), by leveraging the preference of the human brain for images over text.
2. The best internet imagery uses techniques such as laying out text on top of background colors or images. But using shadows, borders, and other shading techniques is an art form. Students will learn to do this tastefully.

Assignment requirements:

- The image will include three semi-transparent overlapping circles spaced out evenly around the center of the image.
- The image will include three opaque circles behind the semi-transparent circles.
- The image will have large text in each circle.
- The image will have smaller text in the areas where two circles intersect.
- The image will have a star in the middle where all three circles intersect.
- The image will exhibit unity. That could mean: the text and the star are all the same color and have the same shadow; the larger areas of text are all the same size; the smaller areas of text are all the same size, etc.
- The student's name will appear in an SVG comment near the top of the code file.
- The student will select colors that blend together well at the intersection areas.
- Text and objects should line up. For example, in the drawing above:
 - The blue circle, the word Caffeine, the star, and the word Tired should all line up horizontally;
 - The words Frustrated and Annoyed should line up vertically;
 - The words Wi-Fi and Power should line up vertically.

