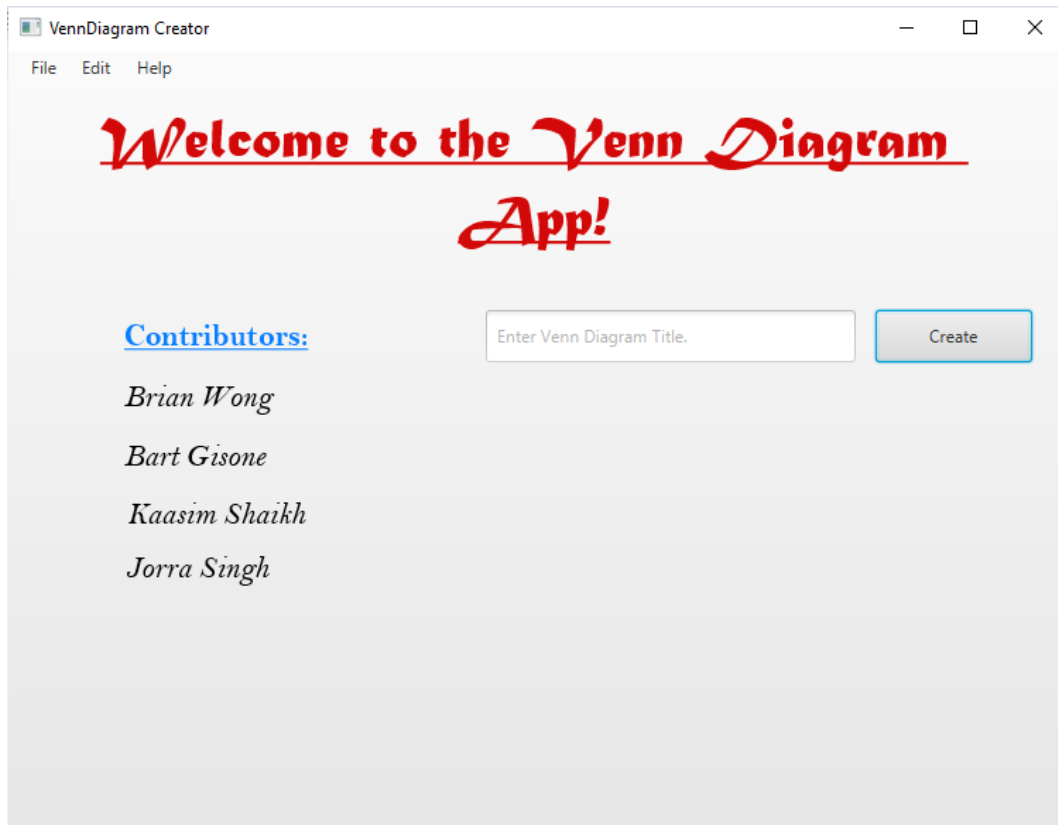# Venn Diagram User Manual

Introduction:

In the first stage of our Venn Diagram implementation we allow users to seamlessly add elements between two sets and find the intersection of their elements. With our efficient yet simplistic approach users will find it easy to organize data in order to better see the relationship between their data.

Download and run the application:

To download the application visit https://github.com/Jorra04/EECS2311Project/releases and click the "EECS2311Project.jar" file. This will install a JAR file which can be executed by double clicking the file. Make sure you are running JRE1.8 to run the application. If double clicking the application does not work type "Java -jar EECS2311Project.jar" into your command line after navigating to the appropriate directory.

How to get Started:

The main functionality of the Venn Diagram application includes adding and removing tasks to the display. This section will focus on the following tasks:

- Creating your first Venn Diagram
- Adding a task to the Task List
- Adding a task to the Venn Diagram
- Clearing the display
- Adding an Additional Set
- Changing the Colour of a Circle

Creating your first Venn Diagram

Your first Venn Diagram is easy to make, simply enter a name for your project in the textbox and click "Create". This will generate a simple Venn Diagram with two sets.
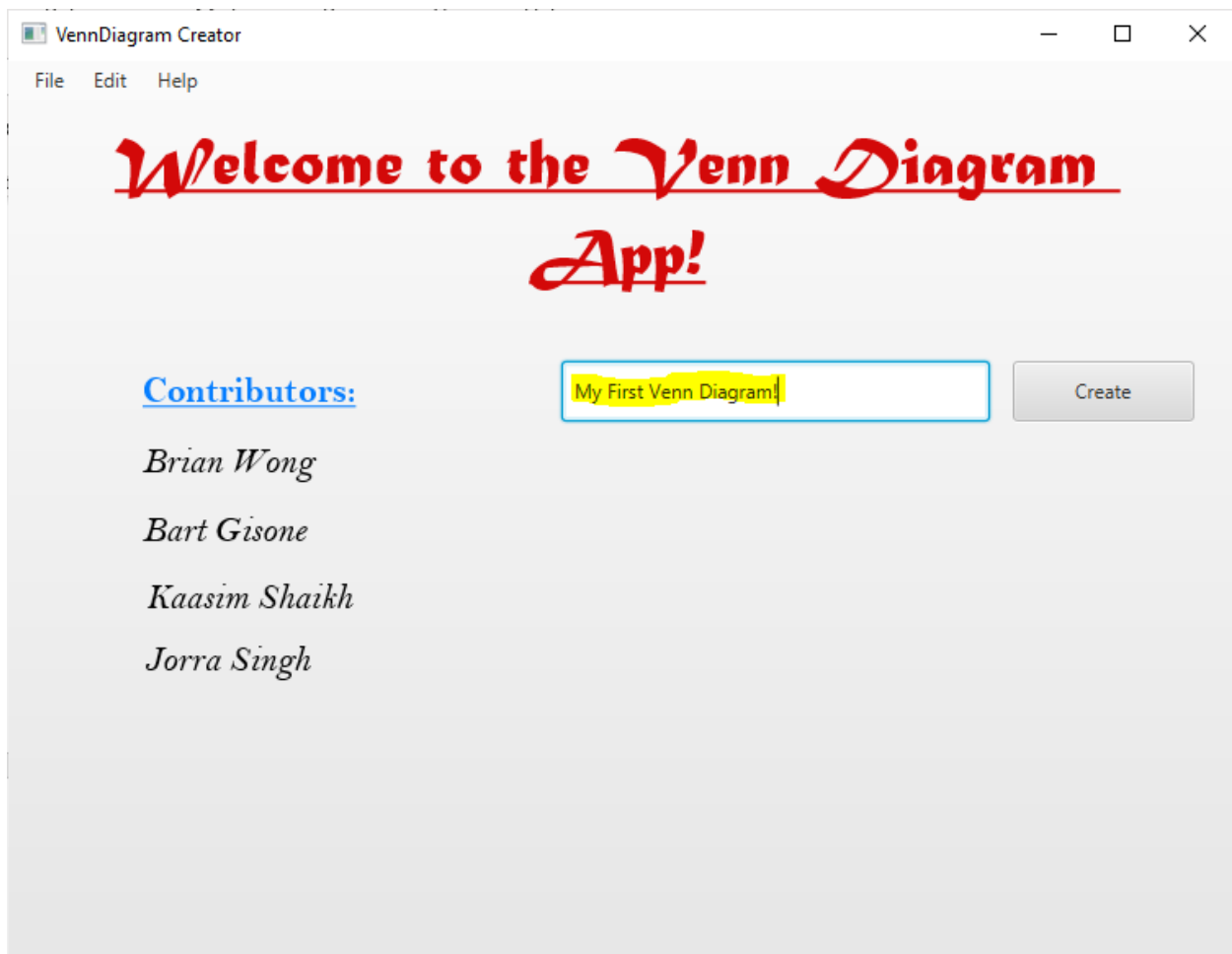
Adding a Task to the Task List

To add a task, simply type in the top text field and click the "Create" button or click enter. The task you typed will appear in the left panel known as the "Task List". The Task List will allow you to add elements to the Venn Diagram display.
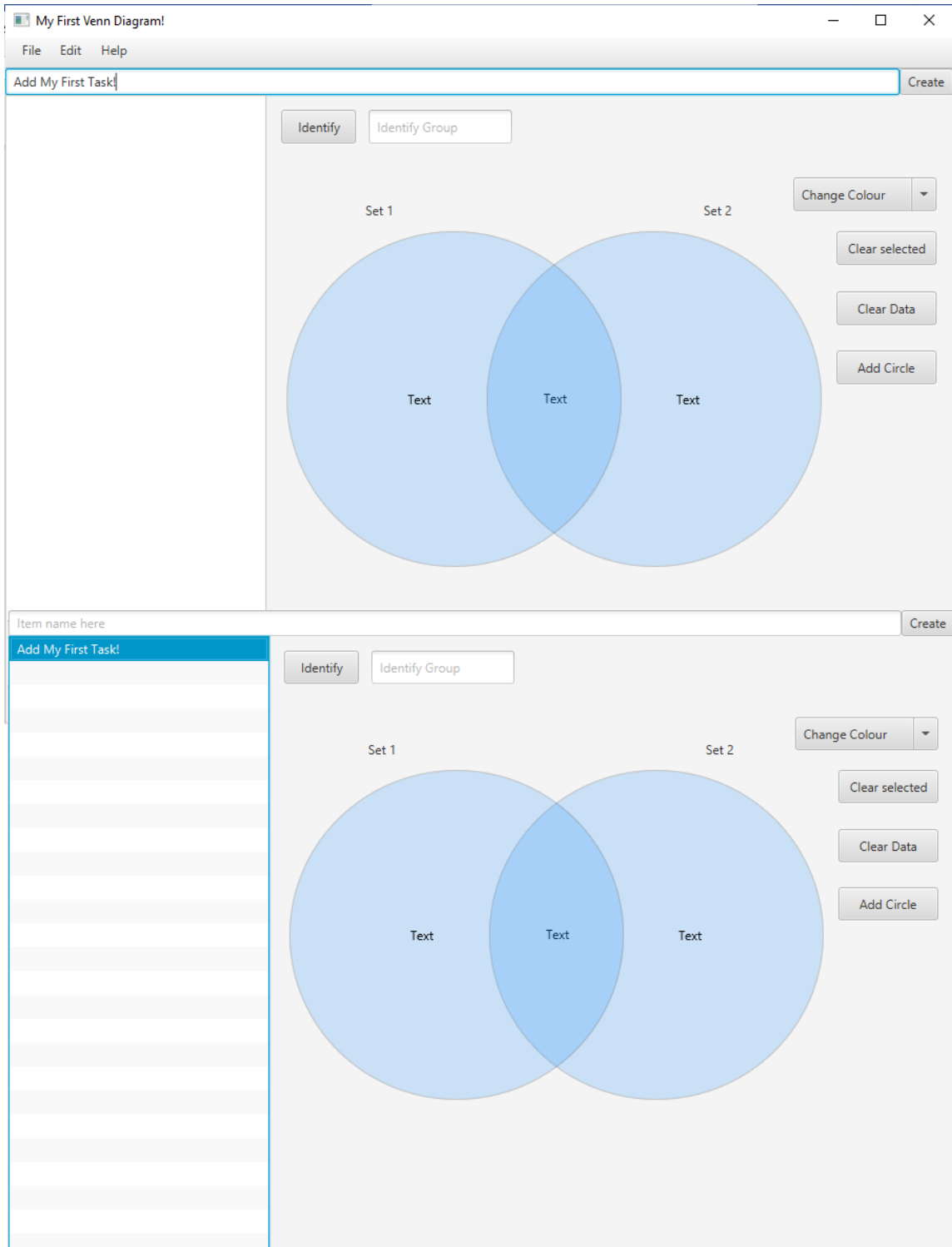
Adding a task to the Venn Diagram

Once tasks are populated into the Task List they can be dragged and dropped into the Venn Diagram. Click and hold while dragging the element to its respective circle. On the diagram below a user has click and dragged "Add My First Task!" to the first circle set.
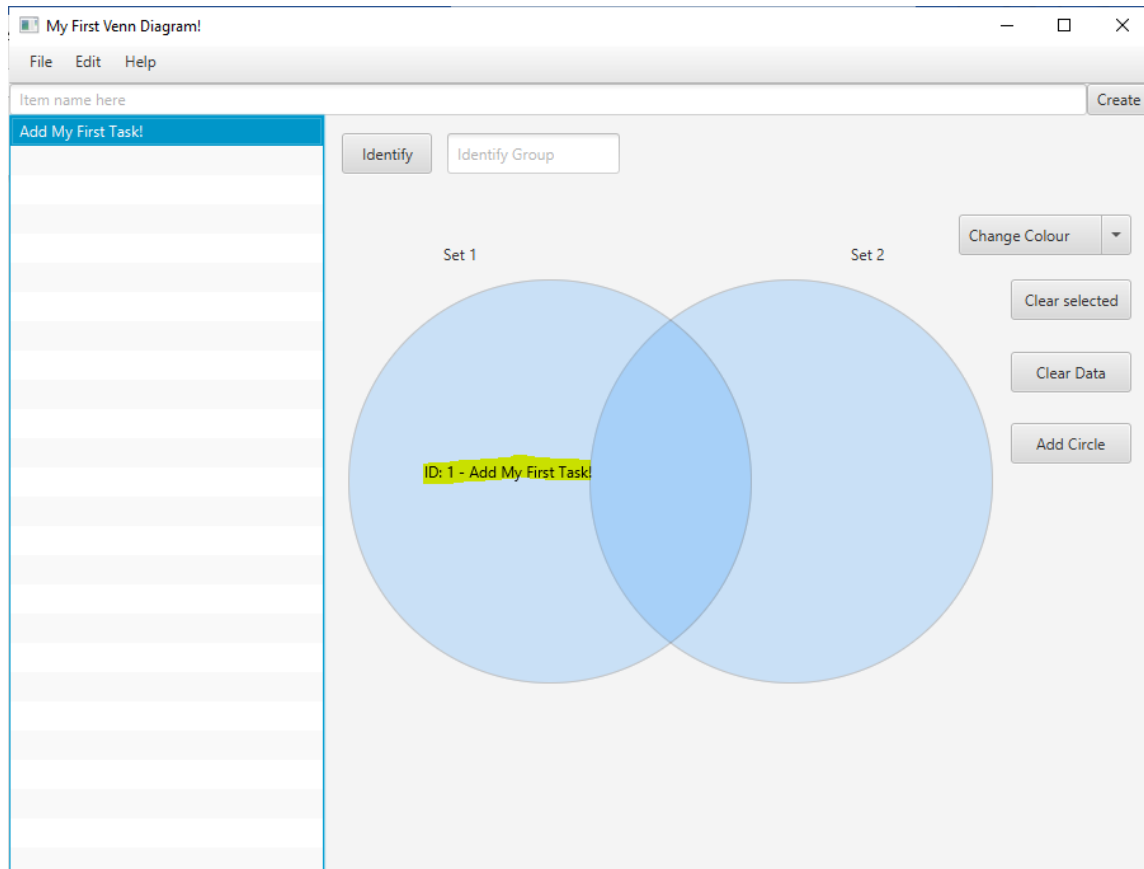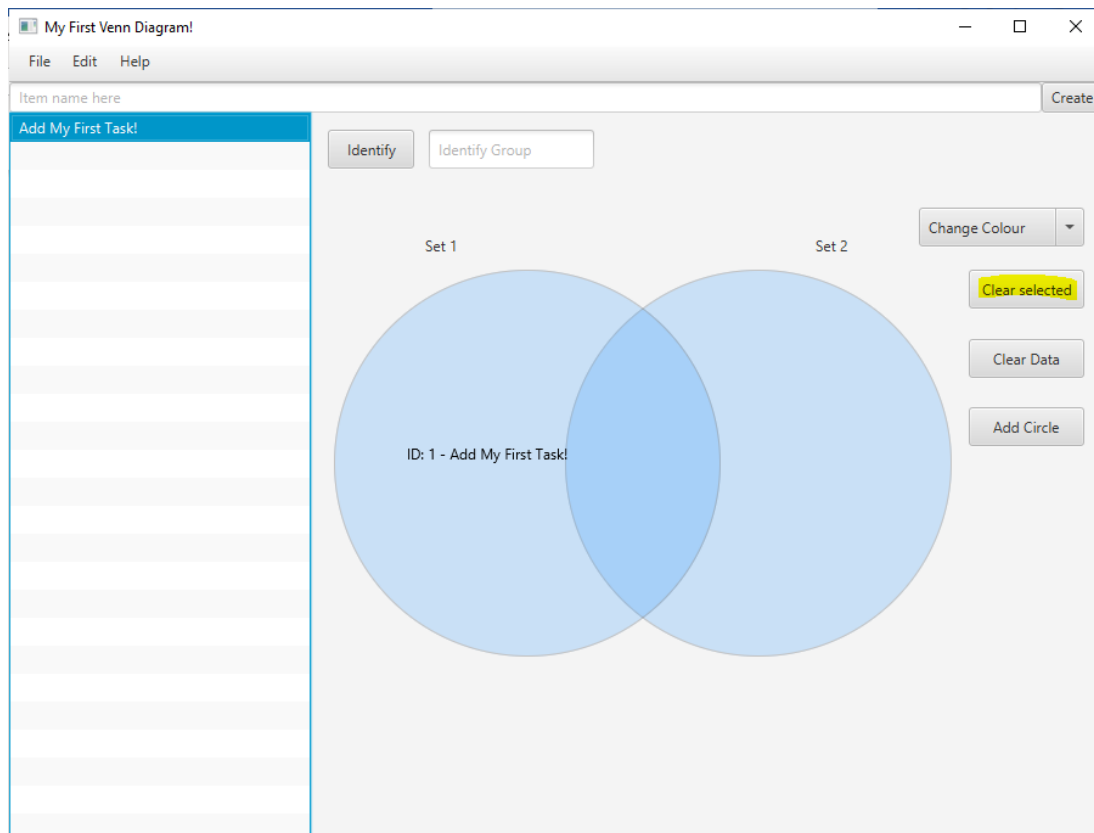

Clearing the Display:

When clearing the display, a user is presented with two options:

1. A user may delete a single element from a set
2. A user may delete all elements on the Venn Diagram effectively resetting the application

Clearing a Single Element:

To clear a single element, click the element that you wish to remove in the Task List on the left panel. Then with the task highlighted, click "Clear Selected" and the element will disappear from the set. See the diagrams on the following page for an illustration.

*Before "Clear Selected" is clicked, the element is till in the display*
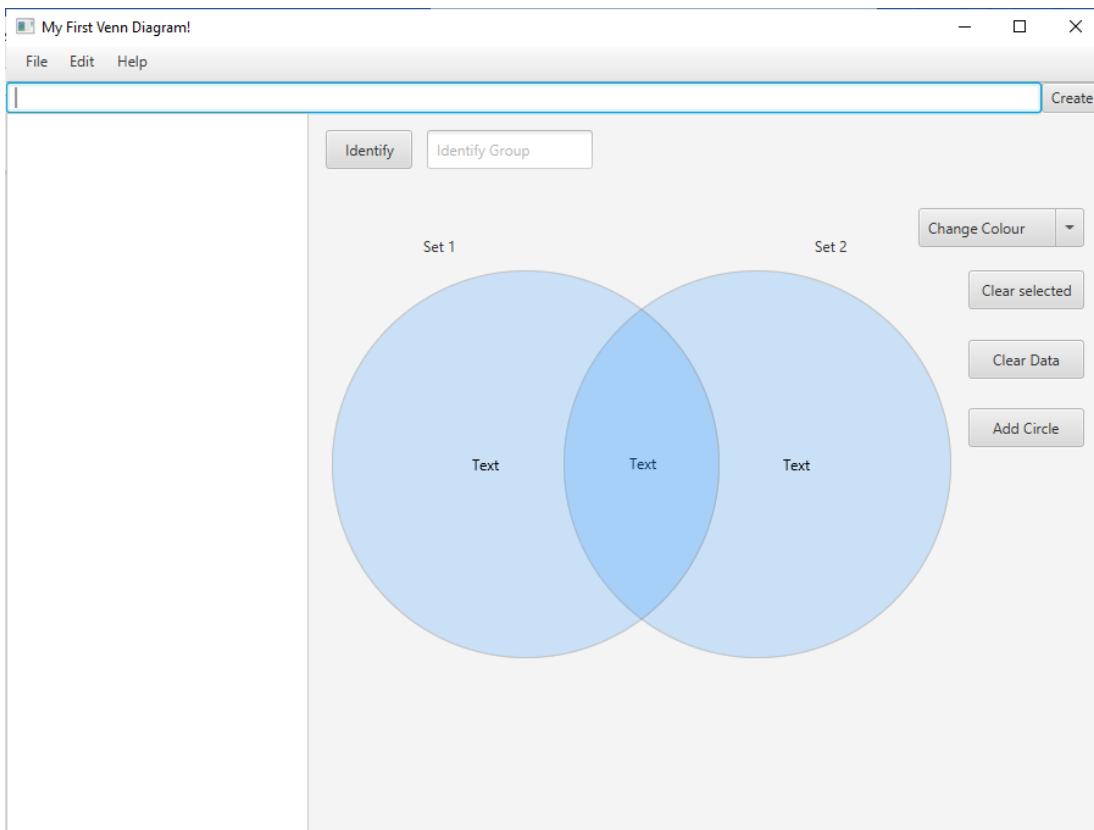
Clearing all Elements:

If a user wishes to restart the project, they can remove all elements by selecting "Clear Data". After clicking "Clear Data" a user will be presented with a warning prompt stating that the process is irreversible. After the user accepts the warning prompt, the entire display well be reset.
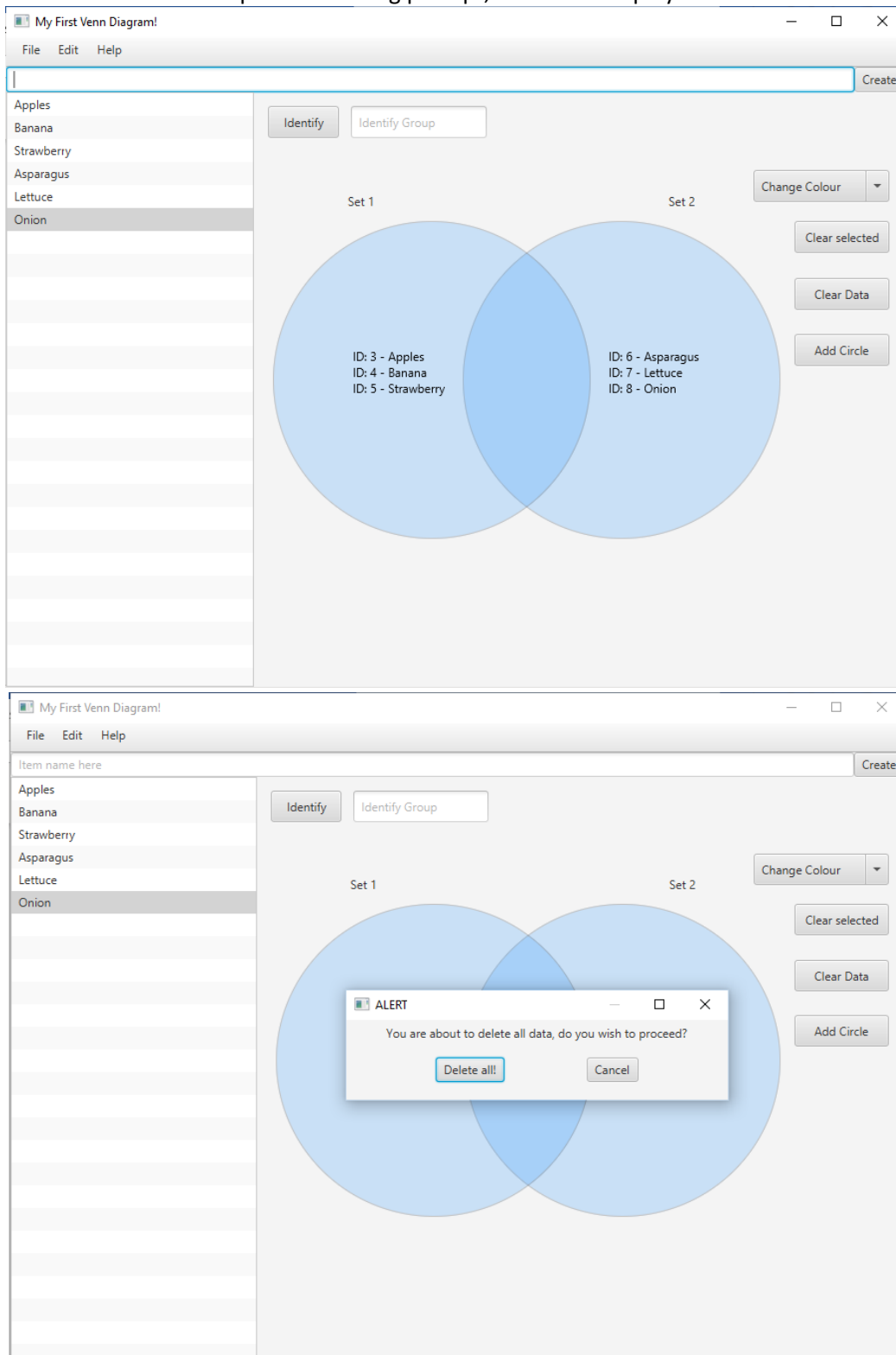
Adding an Additional Set:

At times, two sets are not enough to represent all requirements of a project. To circumvent this, the Venn Diagram application allows you to add a third set. Simply click the "Add Circle" button to have a third circle appear on the display. The application allows a maximum of 4 sets to be running concurrently.
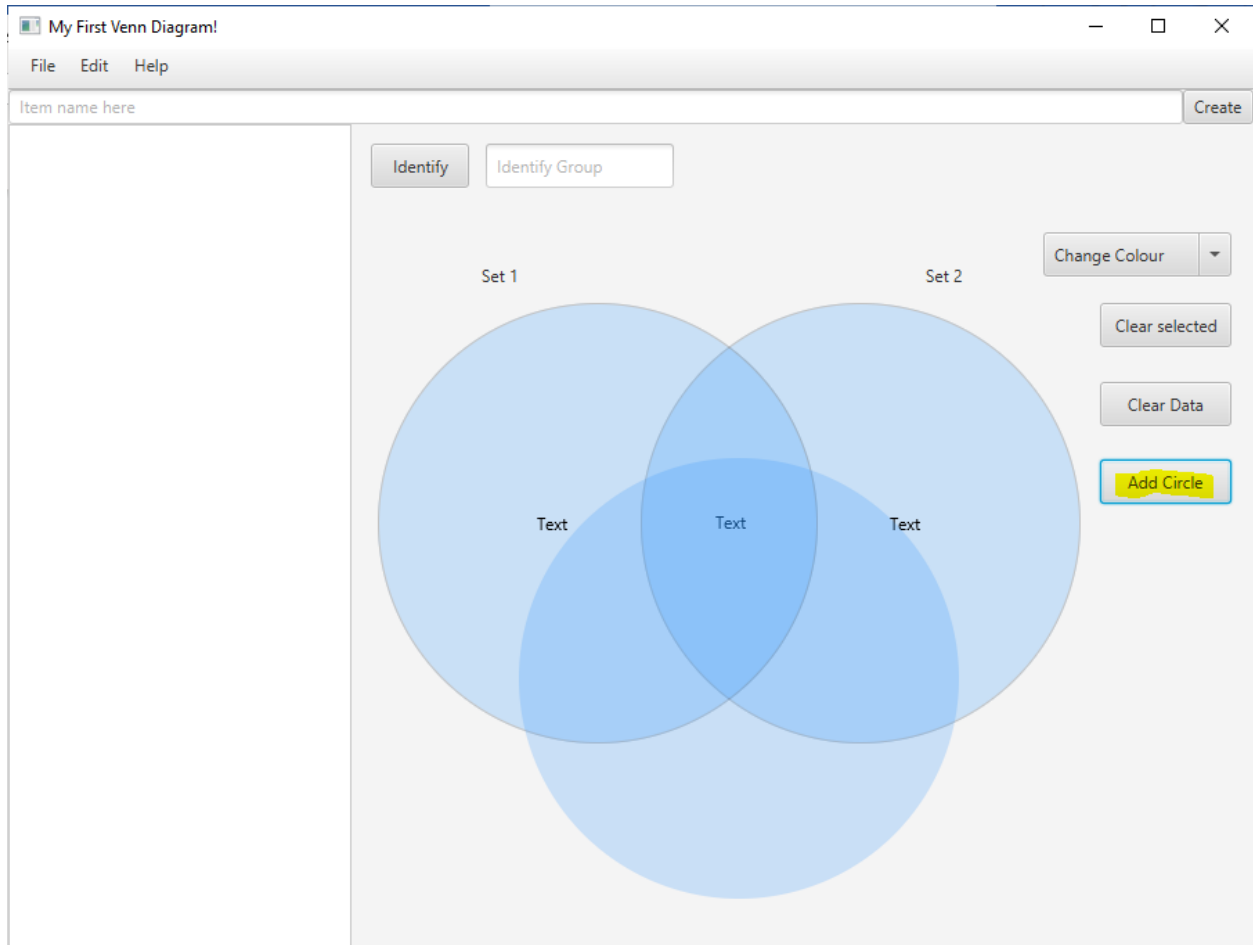
Changing the Colour of a Circle:

Select which circle you would like to change and a hexadecimal colour picker will populate. There is a plethora of colours for you to choose from!

File   Edit   Help

Item name here   Create

Identify   Identify Group   ■ Magenta   ▼

                                                                                        Left Circle   ▼

        Set 1   Set 2
                                                                                        Clear selected

                                                                                        Clear Data

                Text   Text   Text   Add Circle