

# **User Manual**

Union App Version 1.2.0  
Group 13

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## Application:

Union App (Version: 1.2.0)

## System Requirements:

Java Runtime Environment (JRE 1.8 - [Download](#))

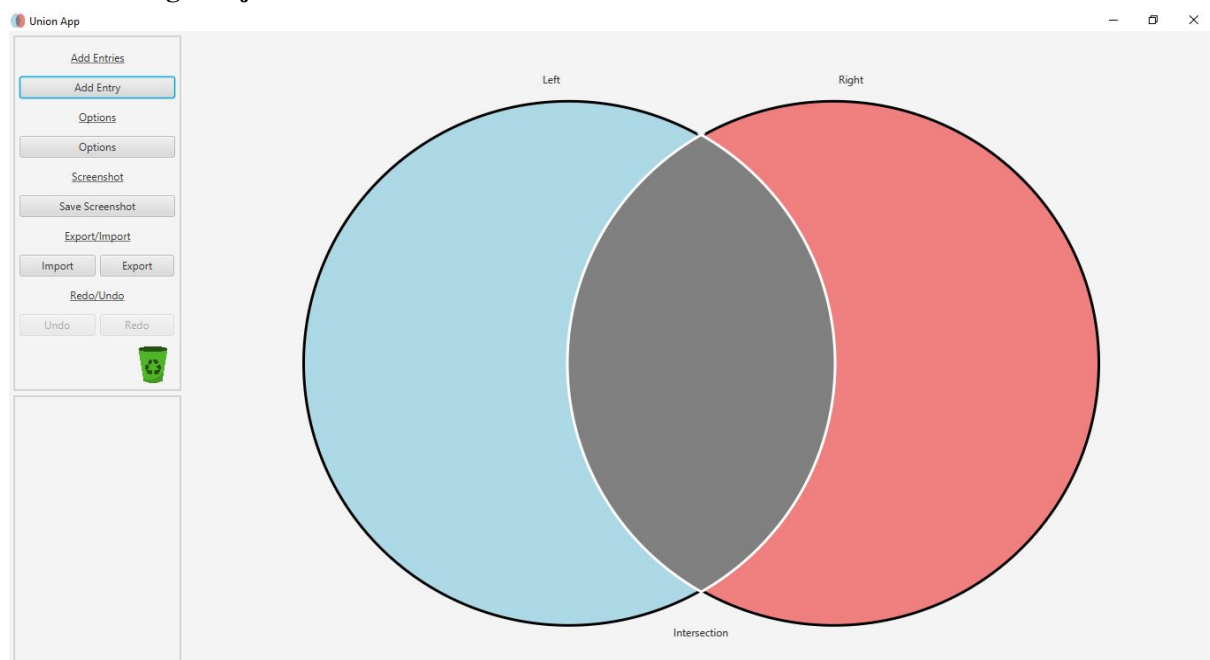
## Introduction:

The Union App, version 1.2.0, allows users to display ideas and data in a visual way, through the use of Venn Diagrams. Version 1.2.0 includes new features like adding an entry, dragging/dropping entries, import/export, undo/redo, and other customizable features. Version 1.2.0 fulfills all basic functionality of a digital venn diagram, with a comfortable user interface.

## How to run the Application

Double click on the .jar file to run. If this does not start the application, open Command Prompt/Powershell on Windows or your Terminal on UNIX based machines (such as Mac and Ubuntu), navigate to the folder with UnionApp.jar and run `java -jar UnionApp.jar`.

## After running the .jar file...



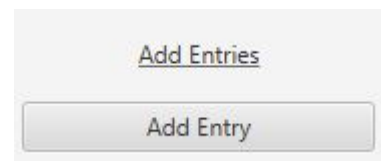
Users will be introduced to Union App's simple user interface, consisting of a venn diagram and a customization pane.

Initially there are three labels for each section of the venn diagram (blue = "Left" // pink = "Right" // gray = "Intersection"). Double clicking on these labels allows the users to modify the text to their preference.

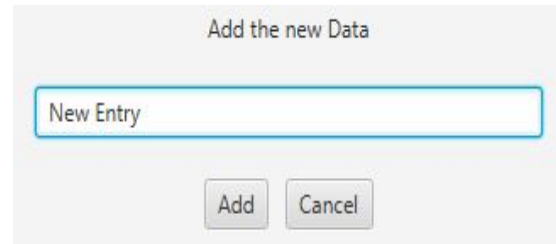
At the far left edge of the window, there is a customization pane with a variety of features. The customization panes contain buttons and tools that allow the user to add entries, delete entries, change colors, and export the diagram as an image (.png). All the newly added entries will appear on the bottom part of the customization pane.

## Adding a new Entry:

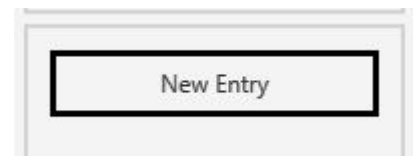
**Step 1:** Click on the “Add Entry” button located on the customization panes to open a prompt window. Alternatively, you can press CTRL/CMD + N.



**Step 2:** In this window, enter the data of the entry. Click on the “Add” button, under the input box, after you successfully entered the data.



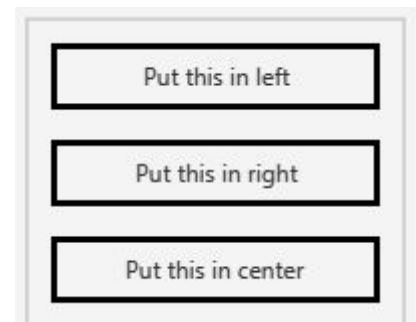
**Step 3:** After completing Steps 2 and 3, the newly added entry should appear on the customization panes (bottom pane). This entry does not belong to the venn diagram, it is waiting to be moved to a section of the diagram.



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## Drag and Drop Entry Placement:

**Step 1:** Click and Hold on an entry that you would like to place on the venn diagram. Drag this entry to where on the venn diagram you would like it to go.



**Step 2:** After completing Step 1, the entry will be placed at the location on the diagram where you dropped the entry.

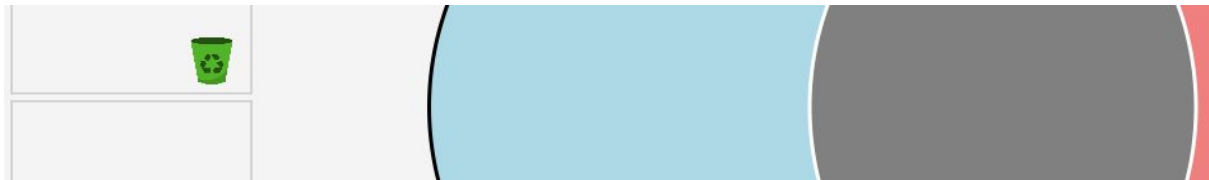


## Deleting an Entry:

**Step 1:** Click and Hold on an entry that you would like to delete/remove from the venn diagram. Drag and Drop this entry on top of the recycle bin, located in the customization panes.



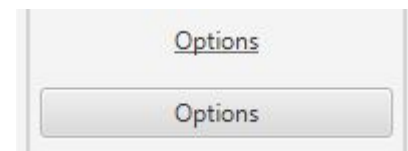
**Step 2:** After completing Step 1, the entry will be removed from the venn diagram.



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## Customizing the Venn Diagram:

**Step 1:** Click on the “Options” button located on the customization panes to open a prompt window, where you will be able to change the colors on the diagram.



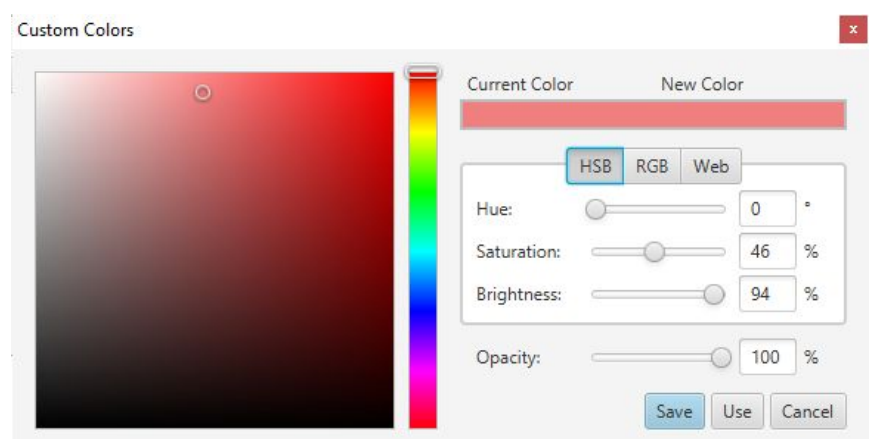
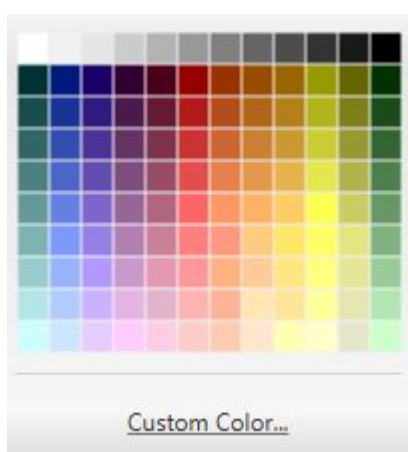
**Step 2:** In this window, the user can use the color palettes to change the venn diagram colors. Each section of the venn diagram has its own color palette menu. Click on the “Ok” button after you have successfully changed the colors to close the window.



Additionally, the user can change the language of the user interface here. Currently, the only available languages are English and French.



Colors can be chosen from the pre-made color menu or a custom color can be created by clicking “Custom color...” on the color menu.

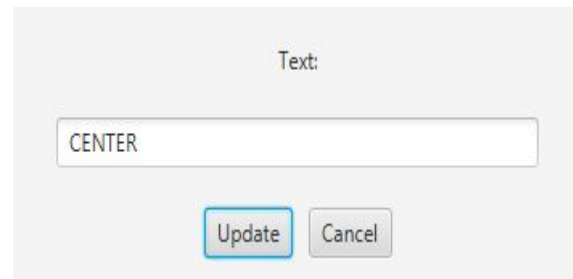


## Editing Titles/Entries:

**Step 1:** Double click on the entry/title that you would like to modify. This will open a new prompt window where you can enter the new data.



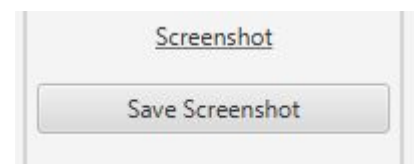
**Step 2:** In this window, enter the new data for the entry/title. Click on the “Update” button, under the input box, after you successfully entered the data.



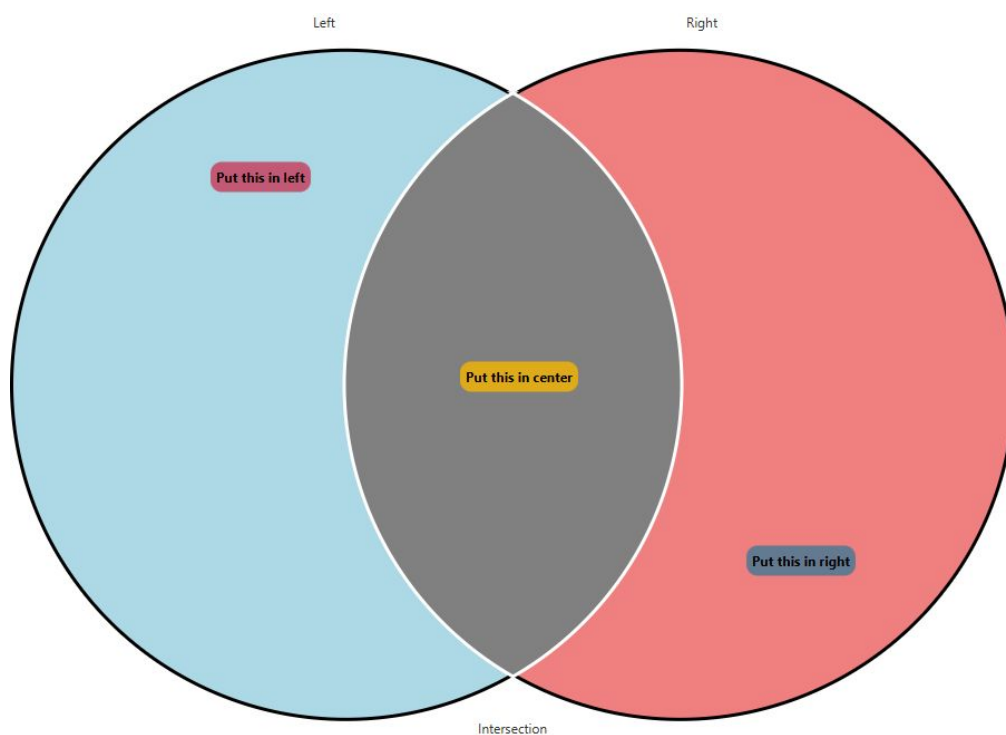
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## Exporting via Screenshot:

**Step 1:** Click on the “Save Screenshot” button located on the customization panes to open file explorer.



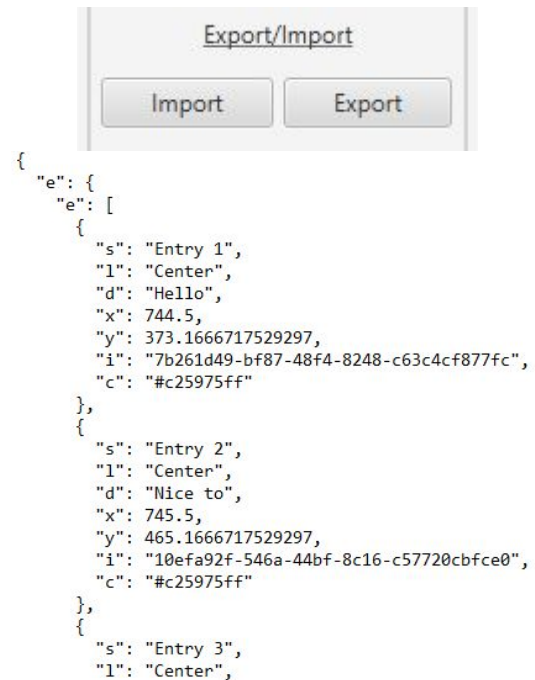
**Step 2:** Name and Save the screenshot on your computer using the file explorer. An example of a screenshot produced by Union App is shown below.



## Exporting:

**Step 1:** Click on the “Export” button located on the customization panes to open file explorer.

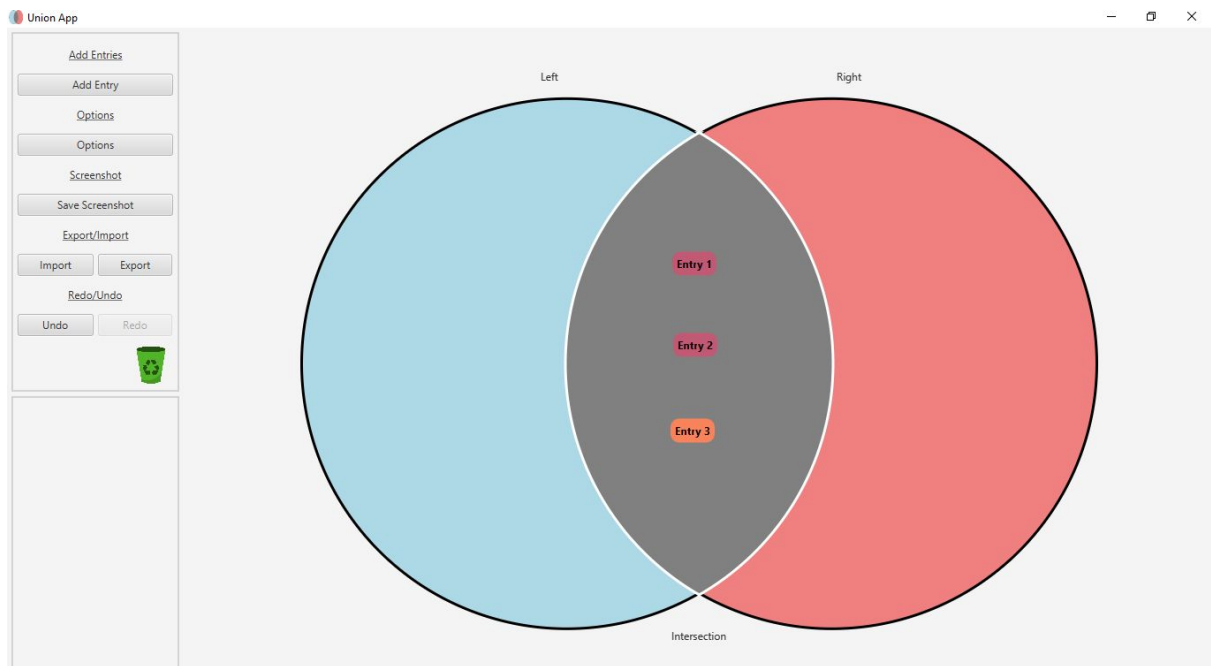
**Step 2:** Name and Save the JSON file on your computer using the file explorer. An example of the generated file is shown on the image to the right.



## Importing:

**Step 1:** Click on the “Import” button located on the customization panes to open file explorer.

**Step 2:** On the file explorer, select the JSON file of your previously exported project and click “Open.” Union App will load the project, allowing the user to continue where they left off.



## Undo/Redo:

**Step 1:** Click on the “Undo” or “Redo” button located on the customization panes to refer back to any changes. You can also use the keyboard commands CTRL/CMD + Z to undo, and CTRL/CMD + Y to redo.



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## Known Bugs

1. If a long entry/element is placed on the edges of the venn diagram, the venn diagram may shift.
2. The undo/redo functionality may rarely not function as expected.
3. The translated version of some strings may not be fully correct (blame the lack of practice of the developer who implemented it, to be finalized in a future release).