

## Requirements Document: Venn Diagram Tool

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## 1. Aim

Our team wanted to create a tool to help people create truly custom Venn diagrams. We wanted to give our clients the ability to add any text they want, change the colour scheme of the entire diagram and be able to download and edit their work as they please. Our goal is to create a product that allows our clients to unleash their creative side and change the way that information is presented.

## 2. Functionalities

There are a lot of different features and functionalities available for the client. The client can:

- Add a title to the diagram,
- Add a title to each circle in the diagram,
- Add text and upload images,
- Drag and drop text and images into the circles,
- Change the colours of the circles and the background,
- Clear the Venn diagram to start over,
- Save Venn diagram as a .venn file so that it can be reopened in the future and edited again, and
- Save Venn diagram as an image.

### 3. Use Cases

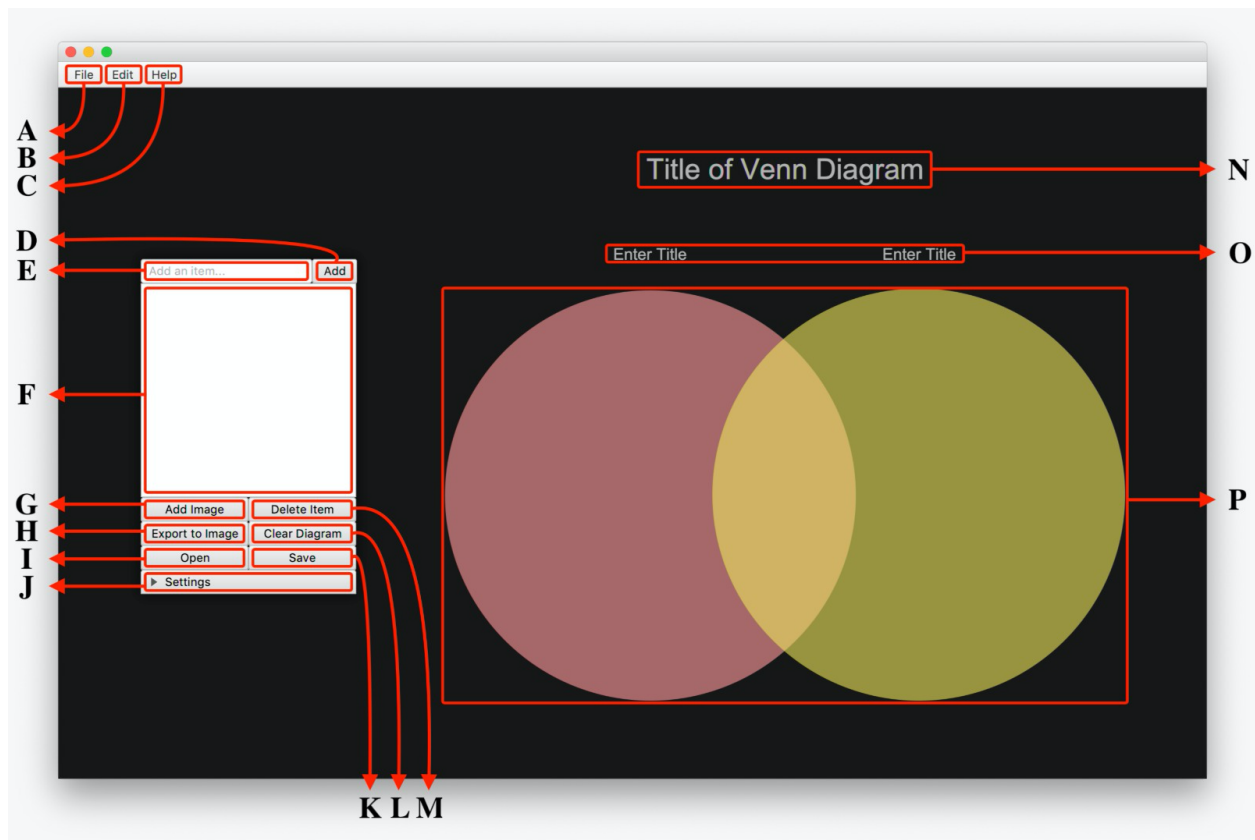
There are many different applications for our Venn diagram tool. Some use cases are:

- Visually representing similarities and differences for a professional meeting,
- Visually representing similarities and differences using pictures and bright colours to a younger audience,
- Adding a visual element to research that has been done, and
- Presenting information for a school project.

## 4. Acceptance Test Cases

Acceptance Test Case	Critical (Yes or No)	Test Result	Comments
The system has to be able to save a .venn file and reopen it to allow edits.	Yes	Passed	Client can save their diagram and open it at a later time to edit it.
Client can customize the colour of the Venn diagram.	Yes	Passed	User can pick from a series of colours or a colour picker to change the colour of the background or the circles.
Client can drag and drop text	Yes	Passed	Client can type in text and move it to any circle they please
Client can upload and compare images	No	Passed	Client can chose images and upload them to their diagram.
Program adapts to screen size	No	Failed	If the screen size of the program is changed, the diagram is fixed and will not shift.

## 5. Figures



### Legend

#### A: File menu

- New - Opens a new, blank Venn diagram
- Open... - Allows the user to open a previously saved .venn file
- Save - Allows the user to save the Venn diagram as a .venn file for later editing
- Export Venn Diagram as Image - Saves an image of the current Venn diagram

#### B: Edit menu

- Delete Item - Deletes the currently selected item from the Venn diagram
- Clear Venn Diagram - Moves all items out of the diagram and into the item list (F)

#### C: Help menu

- View Manual - Opens a link to the online user manual

**D: Add button**

- Adds the text in the item entry field (E) to the item list (F)

**E: Item entry field**

- The user can type in a text item they would like to add to the Venn diagram. To add this item into the items list (F), click the Add button (D).

**F: Items list**

- Every item the user adds (E) is added to this list. The items in this list can be clicked and dragged into the circles (P) to add them to the Venn diagram.