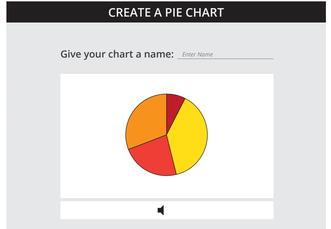
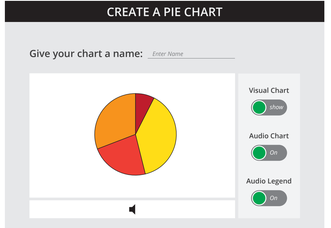
Phase 1

In this version, a visual and sonified pie chart with an audio legend is generated based on the user's input.
User has no control over the type of sound or color combination used in the chart (a default set of color and sound will be used).
User interactions in this version include:
- entering the chart name
- entering values
- entering a value for each entered value
- playing the sonified version of the chart



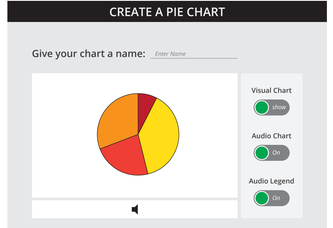
Phase1.5

If possible, in the same version, user is given the option to control the output such as enabling/disabling Audio legend, sonified chart or visual chart. User still doesn't have any control over the type of sounds or colors used to create the chart.
User interactions in this version include:
- entering the chart name
- entering values
- entering a value for each entered value
- playing the sonified version of the chart
- enabling/disabling chart output



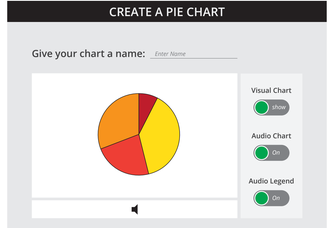
Phase 2

In this version, user is given several visual and audio presets to choose from. User still does not have access to a larger collection of sounds or color and he can only use those presets for the entire chart and not for its individual sections.
User interactions in this version include:
- entering the chart name
- entering values
- entering a value for each entered value
- playing the sonified version of the chart
- enabling/disabling chart output
- selecting a color scheme for the entire chart
- selecting a sound category for the entire chart

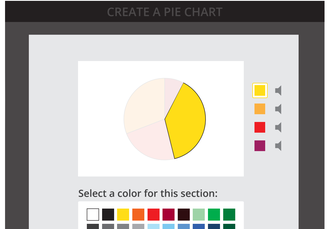


Phase 3

In this version, the ability to change the color and sound of each piece individually is also built in the tool.
User interactions in this version include:
- entering the chart name
- entering values
- playing sound for each entered value
- playing the sonified version of the chart
- enabling/disabling chart output
- selecting a color scheme for the entire chart
- selecting a sound category for the entire chart
- selecting custom theme



On this modal, user is able to select an individual section of the pie chart and choose a specific color and sound for that piece.
User interactions on this modal include:
- selecting a color for this section individually
- selecting color swatches and sounds individually
- selecting Done to apply changes or Cancel to dismiss modal and go back to the previous screen



Phase 4

In this version, user is also able to scroll up/down on the panel and access more features for an individual segment of the chart, such as adjusting the pitch for a section.
User interactions on this modal include:
- selecting a color for this section individually
- selecting sections of the pie chart individually
- selecting color swatches and sounds individually
- adjusting the sound pitch
- selecting Done to apply changes or Cancel to dismiss modal and go back to the previous screen

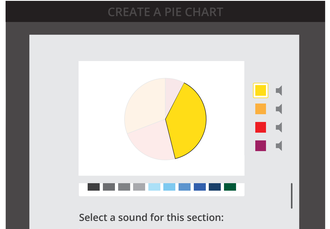
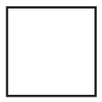


Chart Stroke
Color: Black
Thickness: 1 point

No color



Fill color: white
Stroke Color: Black

Yellow-Red Set (Default)

Green Set

Blue Set

Grey Set

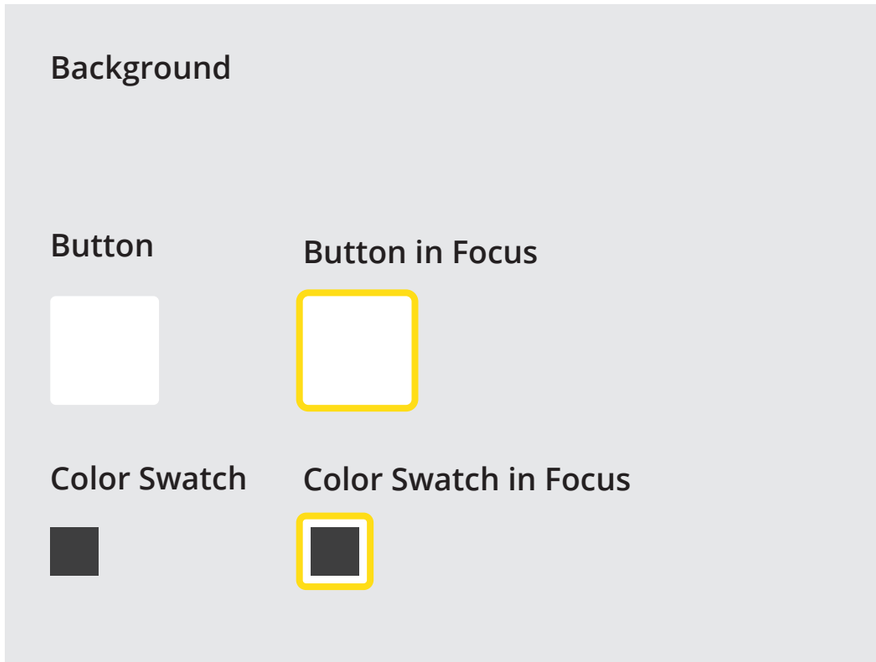
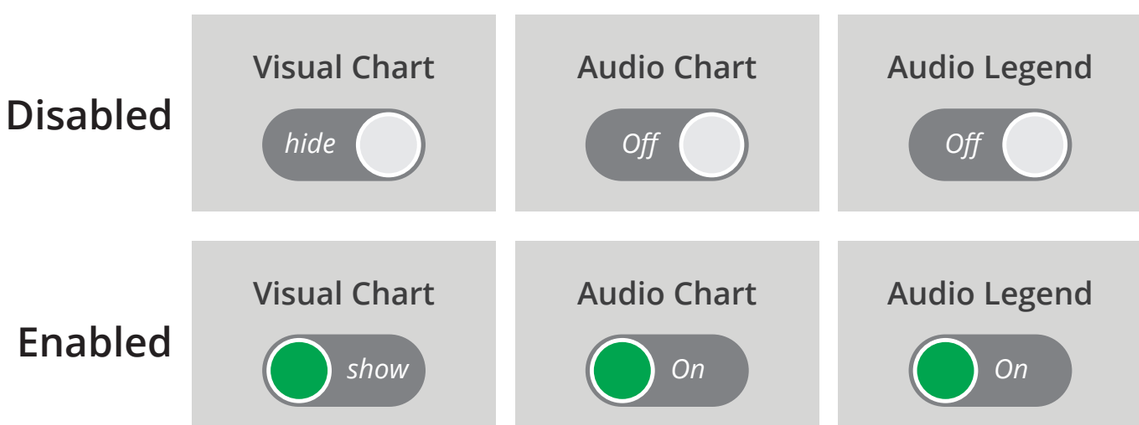



Chart Output Controls