

# Chart Interactions

A dump of Alan's gist notes for the moment.

- \* Data entry panel
  - \* Hover or focus over a legend row highlights the corresponding chart and legend elements
  - \* Labels
    - \* Must have content; will default to placeholder content (Section 1, Section 2, etc) if content is completely cleared
    - \* Begin with placeholder content (Section 1, Section 2, etc)
    - \* Editing a row's label updates the corresponding Legend labeling, but only if a Value has already been entered
  - \* Values
    - \* Validates that any entered Value is a number (integer or float) and is greater than or equal to 0
    - \* Display a warning and does not update chart preview if entry is invalid
    - \* Filling in a valid value and moving focus off the entry box updates the chart and legend (adding or updating)
    - \* Clearing a value and moving focus off the entry box updates the chart and legend to remove the corresponding chart and legend elements
  - \* Focus on label or value fields
    - \* If fields are empty, screen readers read for labels "section 1, enter the label", for values: "section 1, enter the value"
    - \* If fields are not empty, screen readers read for labels: "user label", for values: "user label, the calculated percentage is 8"
- \* Chart preview panel
  - \* When focus moves to the chart preview panel, a screen reader user should hear an overall description of the current chart
    - \* When focus on the pie shape, highlight the round circle
    - \* Legend elements are focusable and navigable via the arrow keys
  - \* Title and Description
    - \* Begin with placeholder content
    - \* Inline edited
    - \* No undo
- \* Legend
  - \* Focus over a legend row highlights the corresponding chart and data entry elements
  - \* Label, value and percentage should be read by screen reader for each row (accessible data table)
  - \* Total should be focusable as well
  - \* Navigation via arrow keys
- \* Chart
  - \* Hover or focus over a chart element (pie slice) highlights the corresponding legend and data entry elements