

Wrapping a list in a `<hal-mc>` element creates a multiple-choice (MC) response control. The content of each `` becomes a multiple-choice option. Any arbitrary HTML content can be embedded in an option.

Important: all elements must be assigned an id attribute. The id is used to uniquely identify answers to a given multiple-choice question.

This widget incorporates a number of “behaviors” that are shared among many hal widgets. Be sure to check out the [behaviors documentation](#).

Example:

```
<hal-mc id="question-123" cardinality="1">
  <ul>
    <li>Captain Kidd</li>
    <li>Henry Morgan</li>
    <li>Black Bart</li>
    <li>Calico Jack</li>
  </ul>
</hal-mc>
```

API Reference

[SHOW PRIVATE API](#)

Properties

cardinality

String

Default: 1

cardinality is a string that describes the selection cardinality—i.e., how many options a user must select before the response is considered complete. The cardinality property has some important consequences for how the item is presented.

When the user has selected the correct number of options according to the **cardinality** property, the **isComplete** property becomes true. Deselecting some options can cause the **isComplete** property to become false if the number of selections falls below the threshold specified by the **cardinality** property.

- **'n'** – exactly n selections must be made before the response is considered complete. If n is 1 (the default), radio buttons will be shown in the control instead of checkboxes. If $n > 1$, then all unselected options will be disabled when n options are selected (the user is thereby prevented from making more than n selections).
- **'n+'** – n or more selections must be made before the response is considered complete.
- **'n-m'** – at least n and at most m selections must be made before the response is considered complete (inclusive). If m is 1, radio buttons instead of checkboxes will be used in the control. If $m > 1$, then all unselected options will be disabled when m options are chosen, preventing the user from selecting more than m selections.