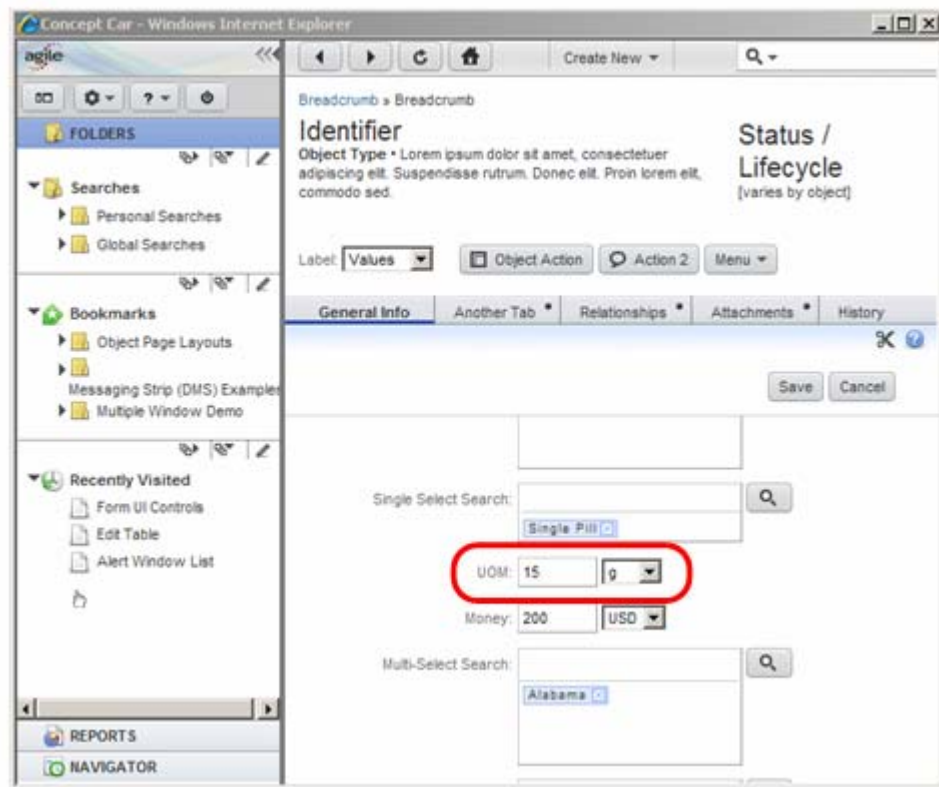


Unit of Measure

The Unit of Measure (UOM) control provides a convenient tool for entering both the number value or, and the unit designator for, data representing a real-world measurement of weight, distance or volume.

Element Specification



Concept Car - Windows Internet Explorer

agile

Breadcrumb » Breadcrumb

Identifier

Object Type • Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse rutrum. Donec elit. Proin lorem elit, commodo sed.

Status / Lifecycle
[varies by object]

Label: Values Object Action Action 2 Menu

General Info Another Tab Relationships Attachments History

Save Cancel

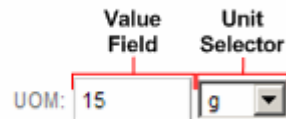
Single Select Search: [Single Pill] [g]

UOM: 15 [g]

Money: 200 [USD]

Multi-Select Search: [Alabama]

Anatomy



Behavior

The Value field complies with the Text-Control UI Specification except where otherwise noted.

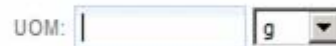
The Unit Selector complies with the Drop-Down List UI Specification except where otherwise noted.

The Unit of Measure (UOM) attribute includes a numeric value and a unit that describes what the unit of the value is. This attribute is completed by entering the numeric value in a Text Control and then selecting a unit from a Drop-Down List.

Administration

- The Unit of Measure control will be used to service all attributes of type UOM.
- Units are defined and administered under - System Settings | UOM | Measures
- Each row in this table defines a particular type of measurement (Weight, Volume, etc.).
- The individual units are defined and administered under the UOM tab.

Initial display



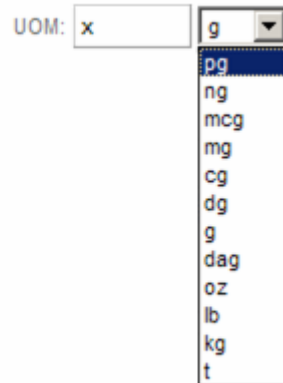
The initial value of the Unit Selector will be either:

- The last unit value saved for this specific object attribute **or**
- The default value for this particular Measure (Weight, Quantity, etc.) as defined by "Is Standard = Yes" under the UOM tab.

Limits

- The value must be between the Min Value and Max Value configured for the Class attribute by the Administrator.
- The precision of the display will be determined by the Scale.

Option Names



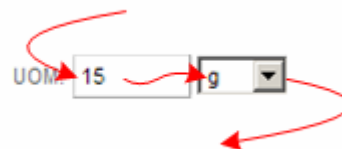
- Unit options are listed from smallest to largest based on the value of the ConversionFactor field.
- Only enabled units will be listed.
- Changing the unit selection does not convert the numeric value.

Keyboard Data Entry (Value Field)

- Permitted Characters Numbers and number delimiters (, and .).
- Units Typing of units into the Value Field (e.g. 10 kg) is not supported.
- Blank/Empty Value Field Is **NOT** equivalent to zero.

Keyboard Commands and Shortcuts

- Tab (Shift-Tab) Shift the focus to the next (previous) control in the tab order as shown below.



Arrows illustrate tab order. Shift-tab order is the reverse.


Keyboard Controls and Shortcuts (Unit Selector)

- Up-Arrow Select the value above the current value in the drop-down list (whether or not the drop-down is displayed).
- Down-Arrow Select the value below the current value in the drop-down list (whether or not the drop-down is displayed).

If the drop-down lists is open

- Enter Select the highlighted value from the drop-down list.
Close the drop-down list.

Mouse Over (a drop-down list option in the Unit Selector)

- Cursor  Arrow
- Tooltip Display the full name (e.g. kilogram) associated with the option abbreviation (e.g. kg).

Tooltips in Safari 3 Beta do not work.

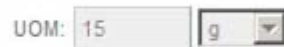
Layout, Appearance and Styling

Example: Editable UOM Field in a Form



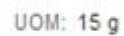
- The width of the Value Field is determined by the Input Width configured for the Class attribute by the Administrator. The default is Short.
- The width of the Unit Selector is determined by the minimum width required to display the longest option. Options are listed in the form of short abbreviations.

Example: Disabled UOM Field in a Form



- When a UOM field is disabled, both the Value Field and the Unit Selector will be disabled.
- Neither of these controls will be in the tab order while disabled.

Example: UOM Display (Read Only) in a Form



- UOM values are displayed as the numeric value followed by a space and the abbreviation for the specified units.

Issues

- 1) Tooltips for Drop-Down options do not work correctly in Safari 3 Beta. Until they do, this control will not work as specified in Safari 3.

Change History

| | | |
|------------------|---------------|--------------------|
| November 9, 2007 | Vern McGeorge | Complete |
| October 29, 2007 | Vern McGeorge | Publish for review |
| October 9, 2007 | Vern McGeorge | First Draft |