

## DMN Editor UX: Design DRD logic table actions ([MVP](#))

<https://issues.iboss.org/browse/DROOLS-2184>

### Use case description:

Use case description: As a business user (Citizen Developer...), I want to easily create, edit, and refine business decision logic (tables, expressions, boxed expression, etc.)

Note/REQ: Using inline controls and employ autocomplete capabilities where possible.

### Verification Conditions

The user of this feature is able to easily/quickly perform key actions (Add, Remove, Edit) in logic tables, boxed expressions, and the like.

- User should be able to perform actions inline within the context of the table view.
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### Related Design Docs

- [Design navigation between the DRG and DRD's](#)

### Open Issues

- Extending GDT keyboard shortcuts to cover DMN.
- Handling complex actions (eg. "Output data type") - open dialog from contextual menu could be an option.
- Visual styling of tables.

# Decision Logic Design Proposals

\* Please note all designs are wireframes only.

Table view within overall canvas layout (wireframe mockup)

The screenshot shows a web application interface for decision logic design. On the left is a 'Decision Navigator' sidebar with a tree view. Under 'Planning', there are items like 'cookbook', 'Go out', 'Preferred restaurants', 'Zagat's guide', 'Number of diners', and 'What's in the fridge'. Under 'Dine at home' is 'Ingredients'. Under 'DRDs', there is 'Dine Out' with 'Go out', 'Preferred restaurants', 'Zagat's guide', and 'Number of diners'. The main canvas area shows a table titled 'Preferred Restaurants' with a '<<Back to "Dine Out"' link. The table has columns for restaurant names and actions. The data is as follows:

1	Life Alive	Vegetarian	
1		Reservations	Yes
2	DiCapri's	Take out	No
3		Vegetarian options	any(*options*)

## Decision logic view

- User enters Logic view by either creating logic from a decision node, or selecting an existing logic node from within the tree.
  - i. For more, see: [Design navigation between the DRG and DRD's](#)
- Decision logic views include a "Back" link to take the user back to the last screen they were on (such as a diagram node.) TBD: The back link will include the name of the node ( Back to "Go out." )
- Users may also navigate back to the diagram (or other DRD/DRG entities) through using the tree navigation.
- Elements within a logic table that offer actions will present a hover state on focus. Examples of elements that might offer actions include: Rows, cells, columns, table... Or in context terms: Rules, Inputs/Outputs, Context row, etc.

## Actions

### Contextual menu (right mouse click) - simple TABLE edit options:

Users may perform actions using contextual menus within the table elements.

The contextual menu is presented when the user clicks on a viable table, table cell, row, column, etc.

- The current proposal is to use a single (left) mouse click to directly edit cell values.
- Right click (contextual) menu to edit table (cut, copy, add row, etc.) Repeat right contextual menu options in a button/dropdown in the title area button bar.
- Available actions are presented within the menu. Actions are grouped by type, separated with a divider line.
- Inline table menus are dismissed by either selecting an action within the menu, or by clicking outside of the menu.
- *Open Issue: Actions requiring complex input from the user might require spawning a dialog or similar view.*

The screenshot shows a web application interface with a table titled "Preferred Restaurants". The table has a header row with "1" and "Life Alive" in the first two columns, and "Vegetarian" spanning the remaining columns. Below this, there are three rows for "DiCapri's" with reservation options: "Reservations" (Yes), "Take out" (No), and "Vegetarian options" (--). A contextual menu is open over the table, listing actions: "Insert Row Above", "Insert Row Below", "Remove Row", a horizontal separator line, "Cut", "Copy", and "Paste". Above the table, there is a toolbar with buttons for "Edit", "Copy", and "Save".

1	Life Alive	Vegetarian		
2	DiCapri's	1	Reservations	Yes
		2	Take out	No
		3	Vegetarian options	--

## Inline editing (left mouse click)

Single left-click on a cell allows the user to directly edit the content within a cell.

Preferred Restaurants

1	Life Alive	Vegetarian		
2	DiCapri's	1	Cuisine	--
		2	Take out	No
		3	Vegetarian options	Yes

Content could be simple text labels, expressions, etc. Explicit submit action is not required, simply moving off the cell with save the selection.

Preferred Restaurants






1	Life Alive	Vegetarian		
2	DiCapri's	1	Cuisine	A
		2	Take out	No
		3	Vegetarian options	Yes

Menus (or pop-overs) could be presented for entering or modifying values in cells.

Preferred Restaurants

1	Life Alive	Vegetarian		
2	DiCapri's	1	Reservations	Yes
		2	Take out	No
		3	Vegetarian options	--

Insert

-  Decision
-  Context
-  Function
-  Boxed Content
-  Relation
-  Expression