Requirements Gathering

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Intended Audience	Anyone involved in the creation, modification or replacement of graphical components belonging to EBI groups.
Use	The document contains a form that should be completed. The form within the document is intended to gather all the graphical components requirements for representing biological information on the web.
Keywords	biojs, requirements, questionaire

Reference	Date	Last Reviewed	Description	Version
BIOJS_082011_01	09/08/ 2011	09/08/2011	Initial draft	1.0
BIOJS_092011_01		21/09/2011	With some improvements	1.1

Requirements for InteractionsTable

1 High level details

Describe the general considerations for the component. For example, the libraries to be used, notes, icon set, patterns, etc.

Name	Description
icons	Iconset to be used on this table must be taken from the EMBL-EBI visual design guidelines.

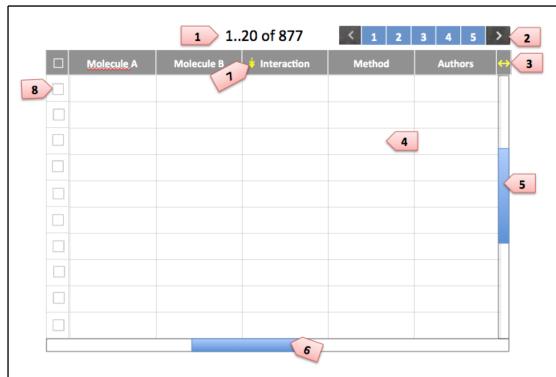
2 Style

CSS element	Default Value	Description
header background	gray #777	Background color for table header
header font	Verdana 10px	Font for the table header
header font color	white	Font color for table header
cell background	white	Background color for table content
cell font	Verdana 10px	Font for the table content
cell font color	black	Font color for table content
border	1px solid #777	Cell border
Ascending order icon	arrow_up.gif	Icon used to mark the current ordered column (asc)
Descending order icon	arrow_down.gif	Icon used to mark the current ordered column (dsc)
Expand columns icon	arrow_expand.gof	Icon used for the drop-down box of selection boxes for showing/hiding out columns

3. How to draw it?

Please draw a detailed sketch for the component (note that it would be a drawing on paper). Feel free to describe the relevant information.

General view:



- 1. Current page summary
- 2. Pages (if any)
- 3. Icon to show/hide columns
- 4. Content cells
- 5. Vertical scroll (visible on overflow)
- 6. Horizontal scroll (visible on overflow)
- 7. Current ordered by column indicator
- 8. Selection check boxes

Columns:

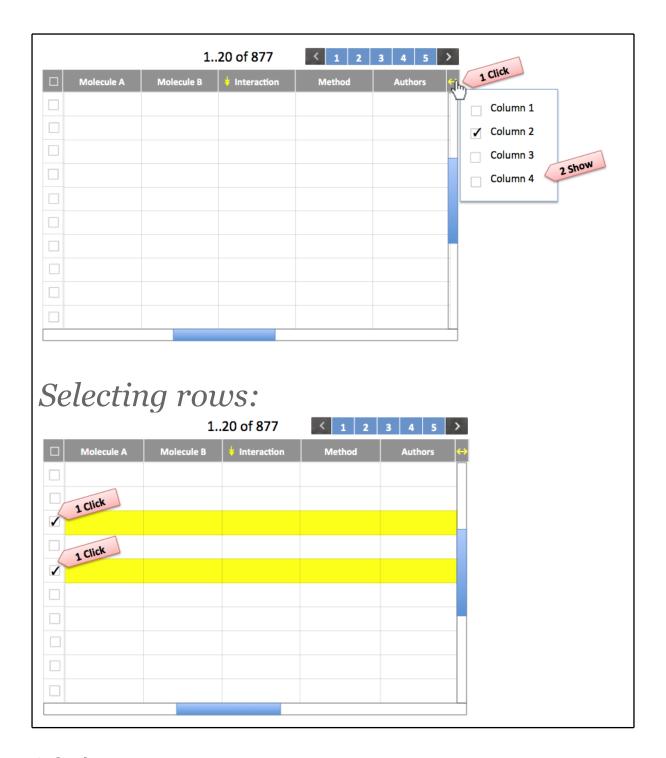
Use the columns defined in PSI-MI TAB format reference supporting both versions 2.5 and 2.7

The columns to show by default should be:

Unique identifier for interactor A
Unique identifier for interactor B
Identifier of the publication
Interaction types
Interaction identifier(s)

However, the developer should be able to change this presets.

Show/hide columns:



4. Options

Name	Mandatory	Туре	Description
columns	Yes	object[]	Array of objects containing the column descriptors. Each object must have the fields: name title position

			Where, <i>name</i> is the field name in JSON file, <i>title</i> is the text to show in the column header and <i>position</i> is the column number in the table. For example, a column object {name: "interactorId", title: "Interactor A", position:0} could define the first column in table
data	Yes	object	PSI-MITAB TSV file in JSON format. Both versions 2.5 and 2.7 must be supported.
visibleColumns	No	string[]	Array of column names to show by default. These names must be defined in the columns object. By default: Unique identifier for interactor A Unique identifier for interactor B Identifier of the publication Interaction types Interaction identifier(s)
css	No	string	Link to the css file containing the style settings. By default: "biojs.css"

5. Events

Please specify which events must be listened and which ones must be triggered by the component, and what must be the response/action must realise. Answer the following questions for each event:

What is the type of the event?
Which key was pressed during the event?
Which mouse button was pressed during the event?
What was the mouse position during the event?
What is the response of the component? step-by-step

Name	Key/Mouse button(s)	Position	R	esponse		
onCellSelected	LEFT+CLICK	On any cell other than table headers	th		urn it or	l column clicked by the event message.
				name	type	description
				row	int	Row number
				col	int	Column number
				interactorI d	string	Interactor identifier

onHeaderClicked	LEFT+CLICK	On any table header		1. 2. 3. 4. 5.	Tog asc Do by ord Rep dat Ret	ggle the val cending/dec a new requ the columi der directio paint the ta	nest of data ordered in clicked and resulting in. ble with the ordered iumn number
				nam		type	description
				colu	mn	objec t	object containing the fields: name title position Where, <i>name</i> is the field name in JSON file, <i>title</i> is the text to show in the column header and <i>position</i> is the column number in
							the table.
onDataArrived	None	None	to b p	o be si e rece rovid	howe eived ed in	ed on the ta in JSON for the option	: :
				na me	t y p e	description	
				da ta	o b j e c	Received d	ata

6. Methods

Name Arguments	Action
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showColumns							Add the columns on												
	Name	M	Ту	ype	Descriptio	on	the visible area of the table												
	names	Y	ar	ray	Array conta column nai showed.														
hideColumns							Remove columns												
	Name	ľ	М	Туре		Description	from the table												
	names	,	Y	array		Array containing the column names to be hided.													
orderBy							Do ordering by the												
	Name	N	M Type		:	Description	provided column.												
	colmnName	,	Y	sting		sting		sting		sting		sting		sting		sting		Ordering column name.	
	direction	I	N int			0 - Ascending 1 - Descending													
						Default: 0													

7. Glosary

Term	Description
PSI-MITAB 2.5	Is a format which is part of the <u>PSI-MI 2.5 standard</u> . It has been derived from the tabular format provided by BioGrid. MITAB25 only describes binary interactions, one pair of interactors per row. Columns are separated by tabulations. More reference information <u>here</u> .
PSI-MITAB 2.7	Is an extension of the PSI-MI 2.5 and 2.6 standard. It has been derived from the tabular format provided by BioGrid. MITAB27 only describes binary interactions, one pair of interactors per row. Columns are separated by tabulations.