**Mouselab WEB 2.0, Defining the JSON file**

**Styles**

In the styles object, the basic styling and structure of the cells labels and buttons is defined for use in subsequent experiments. The styles are defined by CSS classes. These classes would be defined in a css file or based on existing classes from the W3.CSS styles that MouselabWEB uses. The style object consists of the following properties:

“**name**”: the name of the instance (later to be used as identifier).

“**mainClass**”: defines the main css class(es) to use for the cell (background, border etc).   
Default: ["w3-white", "w3-center", "w3-padding-small"]

“**txtClass**”: defines the class(es) of the txt box (the box containing the text).   
Default: ["w3-light-blue"]  
  
“**boxClass**”: defines the class(es) of the box (mask overlaying the txt box).   
Default: ["w3-indigo"]

“**labelClass**”: this parameter defines the class(es) of the labels (both top and side).   
Default: ["w3-white"]

If you set the the classes to “default”, the default CSS will be used. Otherwise, an array of w3-properties should be entered. So for example replace “default” with [“w3-red”,”w3-right”] (don’t put quotes around this array…)

A special class **(“name”:”label”)** is present to set the label style, to control the height and width and style of the labels separately from the cells

{

"name":"label",

"width":"25%",

"labelClass":"default",

"height":"30px"

}

Another special class **(“name”:”button”)** is used to change the default layout of the buttons:

{

"name":"button",

"btnClass":"default",

"btnTxt": "default",

"btnSel":"default",

"btnNotSel":"default"  
"height": "30px",

"width":"10%"

}

The defaults class defines the Default values for the classes used elsewhere:

{

"name":"defaults",

"mainClass":["w3-white", "w3-center","w3-padding-small"],

"txtClass":["w3-light-blue"],

"boxClass":["w3-indigo"],

"labelClass":["w3-white"],

"btnClass":["w3-button", "w3-block", "w3-border", "w3-border-gray", "w3-round-xlarge", "w3-display-middle"],

"btnTxt": ["w3-white"],

"btnSel":["w3-blue", "w3-hover-blue"],

"btnNotSel":["w3-light-blue"]

}

**Opt**

This object defines the options in the data. Each option is typically a column or row and can have several attributes. Each option has the following properties:

“**name**”: the name of the instance (later to be used as identifier).

“**label**”: the label of the option to display within the trials/experiment. These will be shown on the choice button and in the headers.

**“width”:** The width of each cell belonging to this option

**“txt\_button”:** txt as it should appear on a choice button (optional: without this the text of the label attribute is used)

**Attr**

Defines the different attributes belonging to each option

“**name**”: the name of the attribute (later to be used as identifier).

“**label**”: the label of the attribute to display within the trials/experiment. These will be shown on the choice button and in the headers.

**“height”:** The heightof each cell belonging to this attribute

**Cell**

Defines each individual cell. This is an array which elements contain the values for each attribute and within element the values for this attribute for each option, as associated by the label.

“cell” : [

{"A":{"var":"priceA",

"txt":"<b>5 euro</b>",

"box":"Price",

"style":"A"

}

**Delays**

This variable object allows to set a delay on the opening time of the box, and is defined by a NxN matrix with N the set of cells that needs a delay as defined by the **var** list: this list only needs to contain all var names of cells that need some delay with other cells.. The Matrix defines the delay from row to column: so first row defines the delays going from the first cell to itself (first column) and the other available attributes. In the Matrix below, there would be a 700ms delay going from A\_quality to B\_quality, and a 500ms delay going from B\_quality to A\_quality and no delays otherwise.

"delay":

{

"var" : [

"A\_price",

"A\_quality",

"B\_price",

"B\_quality"

],

"delays" : [

[0,0,0,0 ],

[0,0,0,700],

[0,0,0,0 ],

[0,500,0,0]

]

}

If you need a different delay matrix per set, make this delay variable into an array if delay matrices [ ] and name each matrix with a name attribute. Also add that delay name to the set:

"delay":

[{

"name":"dm1",

"var" : [

"A\_price",

"A\_quality",

"B\_price",

"B\_quality"

],

"delays" : [

[0,0,0,0 ],

[0,0,0,700],

[0,0,0,0 ],

[0,500,0,0]

]

},

{

"name":"dm2",

"var" : [

"A\_price",

"A\_quality"

],

"delays" : [

[0,500],

[500,0]

]

}]

**OptOrders**

This object defines orders of instances of the options. The order object consists of:

“**name**”: later to be used as instance-identifier.

“**opt**”: the option-instances to be included in this order. This can be a setting (“standard”, “reversed”,“random”) or can be defined as an array (e.g. [“A”, “B”, “C”] for an order using the three option instances corresponding to these names). In this latter casem this also defines which options from the set to used for this order.

“**attr**”: the attr-orders to be included in this order. This can be a setting (“standard”, “reversed”,“random”) or can be defined as an array (e.g. [“attr1”, “attr2”] for an order using the three attribute instances corresponding to these names). In this latter case this also defines which attr from the set to used for this order.

**Sets**

“**name**”: the name later used to identify the set/configuration to be used in this trial.

“**OptOrder**”: define which order(s) are to be used. Select all options order that are being used within this configuration with the name of the instance of the optOrder object as identifier (e.g. [“order1”, “order5”]).

“**layout**”: set the options either to run over the horizontal axis and the attributes over the vertical axis (“optionCol”) or vice versa (“attributeCol”). Note that if options or attributes have different weights of heights, rendering probably will break.

“**buttons**”: either “on” or “off”. Buttons will appear with the options on the columns or rows, determined by the layout property.

“**displayLabels**”: set the display of labels on or off. Select “all” for showing all labels, for only the option names select “optOnly”, for only the attribute names select “attOnly”. For no labels, select “none”.

“**addedVars**”: define additional variables to include. The variables to include should be of the format “name of the variable”=”value of the variable”.

**Optional (only use when using more than one delay matrix):**

**“delay”** : provide the name of the delay matrix that should be used. If no name is given, it is assumed the delay definition only has one matrix without name and not an array structure (to stay compatible with older versions that only have one delay). See the delay definition above.  
Note that the mouselabEditor does not allow multiple delaymatrices currently.