Requirements Gathering

Author	John Gomez Carvajal
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_HELLOWORLD_012012_01	03/01/2012	03/01/2012	Requirements gathering example for tutorial	1.0

Requirements for HelloWorld

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*
HelloWorld	*A simple component to show how to create a new component using Biojs.*

2. Style Settings (optional)

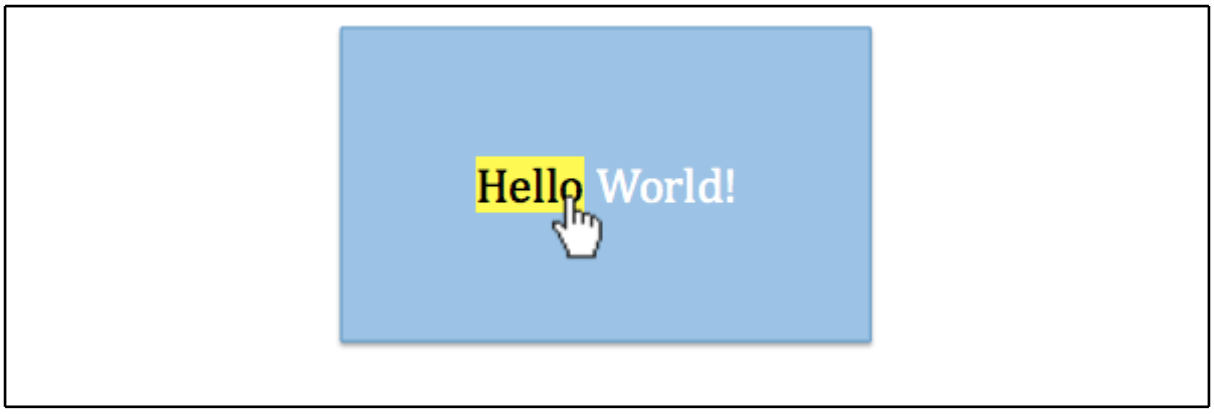
CSS element	*Default Value*	*Description*
font-family	*Andale mono, courier, monospace*	*Font used to render "Hello World!"*
background-color	*#7BBFE9*	*Color for background.*
color	*white*	*Font color*

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.

Show the text 'Hello World!' inside the div target using the style settings described.

Whenever the user selects (click+drag) the word 'Hello', the component must raise the event 'onHelloSelection'. Note: change both background and font color on dragging.



4. Options

Name	***Mandatory***	***Type***	***Description***
target	Yes	string	Identifier of the div target where the component will be rendered into.
fontFamily	No	string	Font list to be applied to the component content. Default: *'"Andale mono", courier, monospace'*
fontColor	No	string	HTML color code for the font. Default: "white"
backgroundColor	No	string	HTML color code for the background. Default: "*#7BBFE9*".
selectionFontColor	No	string	HTML color code for the current selected text. Default: "black"
selectionBackgroundColor	No	string	HTML color code for the current selected text background (highlighting). Default: "yellow"

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

<table>
<tr><th>Name</th><th>Key/Mouse button(s)</th><th>Position</th><th>Response</th></tr>
<tr><td>onClick</td><td>click</td><td>Any letter of ‘Hello World’</td><td>1. Get the character was clicked.
2. Raise the event.

Data for the response:<table><tr><th>name</th><th>type</th><th>description</th></tr><tr><td>selected</td><td>char</td><td>The clicked character.</td></tr></table></td></tr>
<tr><td>onHelloSelection</td><td>click+drag</td><td>Click on character ‘H’ and drag over ‘Hello’ text.</td><td>3. Reset both background and font colors of the ‘Hello’ text.
4. On dragging, change the selected text using the values of the options selectionFontColor and selectionBackgroundColor.
5. On release, check the last selected character is ‘o’. In other case, clean selection and finish.
6. Raise the event.

Data for the response:<table><tr><th>name</th><th>type</th><th>description</th></tr><tr><td>selected</td><td>string</td><td>Entire selected string.</td></tr></table></td></tr>
</table>

6. Methods

<table>
<tr><th>Name</th><th>Arguments</th><th>Action</th></tr>
<tr><td>setSize</td><td><table><tr><th>Name</th><th>M</th><th>Type</th><th>Description</th></tr><tr><td>size</td><td>N</td><td>int</td><td>The new font size in pixels.</td></tr></table></td><td>Change the font size. Do nothing it no value is provided.</td></tr>
</table>

7. Glosary

Term	*Description*