

RC Exposition Syntax Ideas

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Any object is specified in JSON-like syntax by (* is required):
{*type: type, *name: name, pos: position, width: width, height: height, metadata...}

Type can be: text, image, audio, video, slideshow, pdf, sync, shape, note, 3dobject

Position defines the upper left corner of the object and always specified as an [x@y](#) point. Position, width and height values can refer to other objects, e.g.:

pos: [columnleft.x@columnleft.height](#)+20

Getters: .x, .y, .height, .width, .left, .top, .right, .bottom

This implicitly creates groupings.

Metadata is expressed as a pair of keys and values, e.g.:

copyright: Jane Doe,
padding-left: 20,
opacity: 50,

The text content can be expressed as markdown or html (must be separated from surrounding content by blank lines). The text object can contain other objects, which are positioned within the text, e.g.:

```
{type:text, name:intro1  
pos: 10@10  
  
content:This is merely an introduction.  
{image img1 file:media/image1}
```

Here is a table

```
<table>  
  <tr>  
    <td>Foo</td>  
  </tr>  
</table>  
  
}
```

Media files can be accessed by their name (without file ending). If media from a work are accessed the path is `works/worktitle/name`.

Questions

How to determine default width and height values for text?

How to integrate position relative to other objects in the graphical editor?