

Test assignment

Implement a directive called `templateCanvas`, which would accept 2 parameters. First parameter is template object (see structure below). Second parameter is current element id from template's elements array (can be initialized as id of the first element). The id parameter is used to communicate element selection change to external world. When different element is selected on canvas, different current element id is set.

The directive should output elements as shown on the picture within specified boundaries as divs (template width and height), enable update position of the elements buy dragging them on canvas area and changing the text of single elements. The updates of elements' properties should be available through bidirectional binding to user of directive. The directive should use isolated scope.

Example of directive use:

```
<template-canvas current-element-id="currentElementId"
template="template"></template-canvas>
```

Expected output:

```
<template-canvas current-element-id="currentElement" template="template" ></template-canvas>
```



Example of template object:

```
var template = {
  width: 1920,
```

```
height: 1080,
elements: [
  {
    id: 0,
    x: 0,
    y: 100,
    z: 50,
    width: 100,
    height: 200,
    text: "Sample text"
  }, {
    id: 1,
    x: 10,
    y: 200,
    z: 40,
    width: 100,
    height: 200,
    text: "Sample text 2"
  } {
    id: 2
    x: 100,
    y: 300,
    z: 150,
    width: 300,
    height: 200,
    text: "Sample text 3"
  }
]
```