Insert content from the host element inside the Shadow DOM

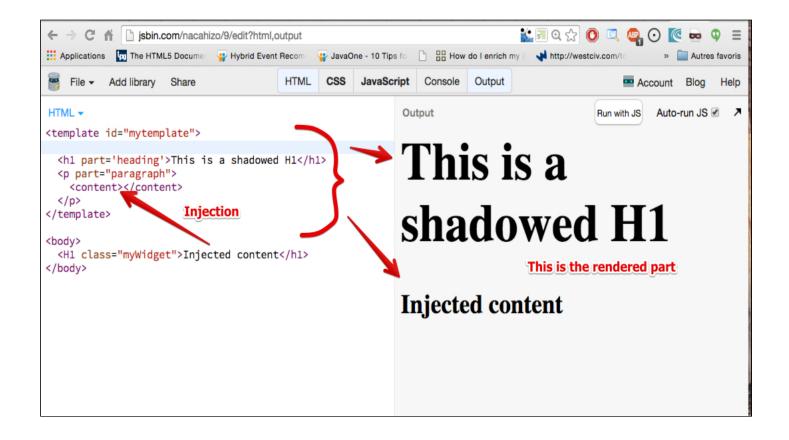
GENERIC INJECTION WITH <CONTENT></CONTENT>IN HTML5
TEMPLATE

It is possible to set some parts of a template in which external HTML content will be "injected". For this, we use the <content>...</content> element, as shown below:

Explanations:

- Look at *line 4*, this is the "injection point"!
- And line 9 is where the injection is done. So, when the classic template
 instantiation and its addition to a shadow host node in the page is done, the
 HTML produced will contain "Injected Content" instead of<content>
 </content>.

See the complete online example at JSBin:



MORE SPECIFIC CONTENT INJECTION WITH<CONTENT

SELECT="..."></CONTENT>

We can use a select attribute in the <content> element of the template.

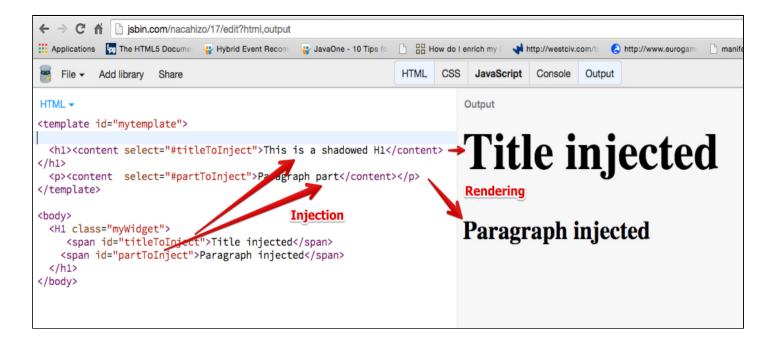
This attribute's value is a CSS selector and the value should match elements from the page where the template will be instantiated. Here is how this "more specific" injection works:

```
</div>
</body>
```

Explanations:

- Lines 2 and 4 contain a <content select=a_css_slector> </select> element, and lines 10 and 11 do the injection.
- The elements that will be injected must have an id that matches the CSS selector used in the <content select=...></select>lines.
- In the example, *line 2* injects the value of an external element whose id is "titleToInject", this is the at line 10.

Complete online example at JSBin:



A USEFUL TOOL FOR DEBUGGING THESE INJECTION TECHNIQUES

• The Shadow DOM visualizer, by Eric Bilderman, is available at: http://html5-demos.appspot.com/shadowdom-visualizer. This tool allows you to visualize how Shadow DOM renders in the browser. Both code blocks on the left are editable. Try changing the <content> insertion points, removing, or adding new ones to see how the composited tree is affected. You can also move over the nodes on the right to highlight the relevant markup on the left.

