

Spruce™ is a server-side templating language based on the CSS 3 syntax.

Basics - CSS 3 with some extra functions and properties

```
#layout .sidebar:before {  
  content: url('http://website.com/__navigation/');  
}
```

Selectors use CSS 3 syntax as implemented by phpQuery for both selection and looping through elements of the DOM.

Properties should not include functions or verb-style style statements, but should always refer to a property of the thing selected.

Values are either Strings (in double/single quotes) or String generating functions (date(), url(), etc.).

Conditions - variables + selectors

Spruce includes and available parameters are added to do DOM tree warping the HTML being parsed. This allows for CSS 3 style attribute selectors to be used for conditional statements without creating additional syntax.

CSS 3 style attribute selector syntax

```
spruce[num_cols = 1] .sidebar {  
  content: empty();  
}  
spruce:not[num_cols = 1]) .sidebar:before {  
  content: "Site Navigation:";  
}
```

Open Issues

Functions: what functions should we make available for values?

Loops: looping through DOM elements on their own is one thing, but how do we handle sub-selectors (needed?) and variable focused loops?

Properties for element attributes? What other properties besides 'content'?

Includes - @import style

Includes are used to include HTML. In addition to url(), Spruce provides a param() function to reference a variable that can be set at run time.

```
@include url('http://example.com/nav.html') nav;
```

```
@include param('sidebar') sidebar;
```



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