

# 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.).

## Open Issues

**External Variable setting:** how does the Spruce doc declare what vars it needs to have set prior to running?

**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'?

## Conditions - Media Query style conditions

### Media Query style conditions

```
@if (num_cols: 1) {  
  .sidebar {  
    content: empty();  
  }  
}  
@else {  
  .sidebar:before {  
    content: "Site Navigation:";  
  }  
}
```

**Conditions** are based on @media query syntax in CSS 3 which currently (out of the box) gives us equals and min-/max- for "greater than" and "less than" comparisons.

**Else** statements maybe a bit trickier and may be best expressed as a separate @if query.

OR

```
@if (min-num-cols: 2) {  
  .sidebar:before {  
    content: "Site Navigation:";  
  }  
}
```

Spruce by 



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