Stylus (stylesheet language)

Stylus is a dynamic stylesheet preprocessor language that is compiled into Cascading Style Sheets (CSS). Its design is influenced by Sass and LESS. It's regarded as the fourth most used CSS preprocessor syntax.[4] It was created by TJ Holowaychuk, a former programmer for Node.js and the creator of the Luna language. It is written in JADE and Node.js.

Contents

Stylus	
Designed by	TJ Holowaychuk
Developer	LearnBoost (March 29, 2011 - March 26, 2015) / Automattic (March 26, 2015 - Present)[1]
First appeared	2010
Stable release	0.53.0[2] / December 14, 2015[3]
Typing discipline	dynamic
OS	Cross-platform
License	MIT License
Filename extensions	`.styl`
Website	Stylus (http://stylus -lang.com)
Influenced by	
CSS, Sass, LESS	

Selectors

Unlike CSS, which uses braces to open and close declaration blocks, indentation is used. Additionally, semi-colons (;) are optionally omitted. Hence, the following CSS:

```css
body {
    color: white;
}
```

can be shortened to:

```css
body
    color: white
```

Further, colons (:) and commas (,) are also optional; that means the above can be written as,

```css
body
    color white
```

Variables

Stylus allows variables to be defined, however unlike LESS and Sass, it doesn't use a symbol to define variables. Additionally, variable assignment is done automatically by separating the property and keyword(s). In this way, variables are similar to the variables in Python.

```
message = 'Hello, World!'

div::before
  content message
  color #ffffff
```

The Stylus compiler would translate the above document to:

```
div::before {
  content: 'Hello, World!';
  color: #ffffff;
}
```

Mixins and functions

Both mixins and functions are defined in the same manner, but they are applied in different ways.

For example, if you wanted to define the CSS border radius property without having to use various Vendor Prefixes you can create:

```
border-radius(n)
  -webkit-border-radius n
  -moz-border-radius n
  border-radius n
```

then, to include this as a mixin, you would reference it as:

```
div.rectangle
  border-radius(10px)
```

this would compile to:

```
div.rectangle {
  -webkit-border-radius: 10px;
  -moz-border-radius: 10px;
  border-radius: 10px;
}
```

Interpolation

To include variables in arguments and identifiers, brace characters surround the variable(s). For example,

```
-webkit-{'border' + '-radius'}
```

evaluates to

```
-webkit-border-radius
```

References

1. "LICENSE" (https://github.com/stylus/stylus/blob/c2d07a0f117de6144105de8599f620c34713d

251/LICENSE). *GitHub*. 2015-03-26. Retrieved 2015-12-21.

2. "Release 0.53.0" (https://github.com/stylus/stylus/releases/tag/0.53.0). *GitHub*. 2015-12-14. Retrieved 2015-12-21.

3. "History" (https://github.com/stylus/stylus/blob/dev/History.md). *GitHub*. 2015-12-21. Retrieved 2015-12-21.

4. Poll Results: Popularity of CSS Preprocessors (https://css-tricks.com/poll-results-popularity-of-css-preprocessors/)

External links

- Official website (http://stylus-lang.com/)
- Stylus source code repository (Git) (https://github.com/stylus/stylus)
- Source code comparison with Sass/SCSS and LESS (https://github.com/stylus/stylus/blob/master/docs/compare.md)