

ITI0209: KASUTAJALIIDESED

Hallatav CSS. Eelprotssessorid.

Martin Verrev

Two CSS properties walk into a bar. A barstool in a completely different bar falls over.

The parent of one of the
properties comes looking
for its child, the tables
in the bar are now blue



Tänane kava

- Probleemid CSS-iga ja nende vältimine
- CSS eelprotsessorid
- BEM, OOPCSS

CSS - Fundamentaalsed probleemid

- Globaalne skoop
- Lineaarne struktuur, palju “surnud koodi”
- Keeruline korduvkasutada

Lahendus

- 1 CSS raamistikud
Bootstrap, Semantic UI, Material CSS
- 2 **Eelprotsessorid**
SASS, SCSS, LESS
- 3 Struktuurne CSS
OOCSS, SMACSS, MCSS, AMCSS, BEM

A CSS preprocessor is a
program
that lets you generate CSS from
the preprocessor's own unique
syntax.

CSS eelprotssessorite võimalused

- \$muutujad
- @import
- elemendi skoop
- @mixinid
- @extends
- tsükliid ja funktsioonid

LESS

Leaner Style Sheets

<http://lesscss.org/>

Javascript



SASS/SCSS

Syntactically Awesome Style Sheets/Sassy CSS

<https://sass-lang.com/>

Ruby



Alustame - SASS

- Eeltingimus: npm
- **npm install -g less / npm install -g sass**
- `> lessc stiil.less stiil.css` või `sass stiil.scss stiil.css`

Katsetame :)

```
<head>...</head>
<body>
  <div id="app">
    <todo-application>
      #shadow-root (open)
        <link rel="stylesheet" type="text/css" href="//
maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/css/
bootstrap.min.css">
        <style>...</style>
        <nav class="navbar navbar-expand-md navbar-dark bg-dark">...</nav>
        <main class="container">
          <todo-form>
            <style>...</style>
            <div class="card todo-form"> </div>
          </todo-form>
          <hr>
          <todo-list ref="list">
            <style>...</style>
            <h2>Tasks:</h2>
            <ul ref="todos" class="list-group">
              <todo-task ref="task-1517176192142" id="task-1517176192142">
                ...</todo-task> == $0
              <todo-task ref="task-1517176320397" id="task-1517176320397">
                ...</todo-task>
              <todo-task ref="task-1517176329096" id="task-1517176329096">
                ...</todo-task>
              <todo-task ref="task-1517176334849" id="task-1517176334849">
                ...</todo-task>
            </ul>
          </todo-list>
        </main>
      </todo-application>
    </div>
  </body>
</html>
```

Styles	Computed
Filter	:hov .c
element.style {	
}	
*,	_reboot.
::after,	
::before {	
box-sizing: borde	
box;	
}	
Inherited from	ul.list-
ul, user agent style	
menu	
, dir {	
display: block;	
list-style-type: d	
-webkit-margin-bef	
1em;	
-webkit-margin-aft	
1em;	
-webkit-margin-star	
0px;	
-webkit-margin-end:	
0px;	
-webkit-padding-sta	
40px;	

Küsimused ja vastused

Tänan :)

Viiteid

- 1 What's wrong with CSS-in-JS?
<https://gomakethings.com/whats-wrong-with-css-in-js/>
- 2 Structuring CSS in large projects
<https://medium.com/peergrade-io/structuring-css-in-large-projects-37f1695f5ec8>
- 3 LESS
<http://lesscss.org/>
- 4 SASS
<https://sass-lang.com/>

Type headline