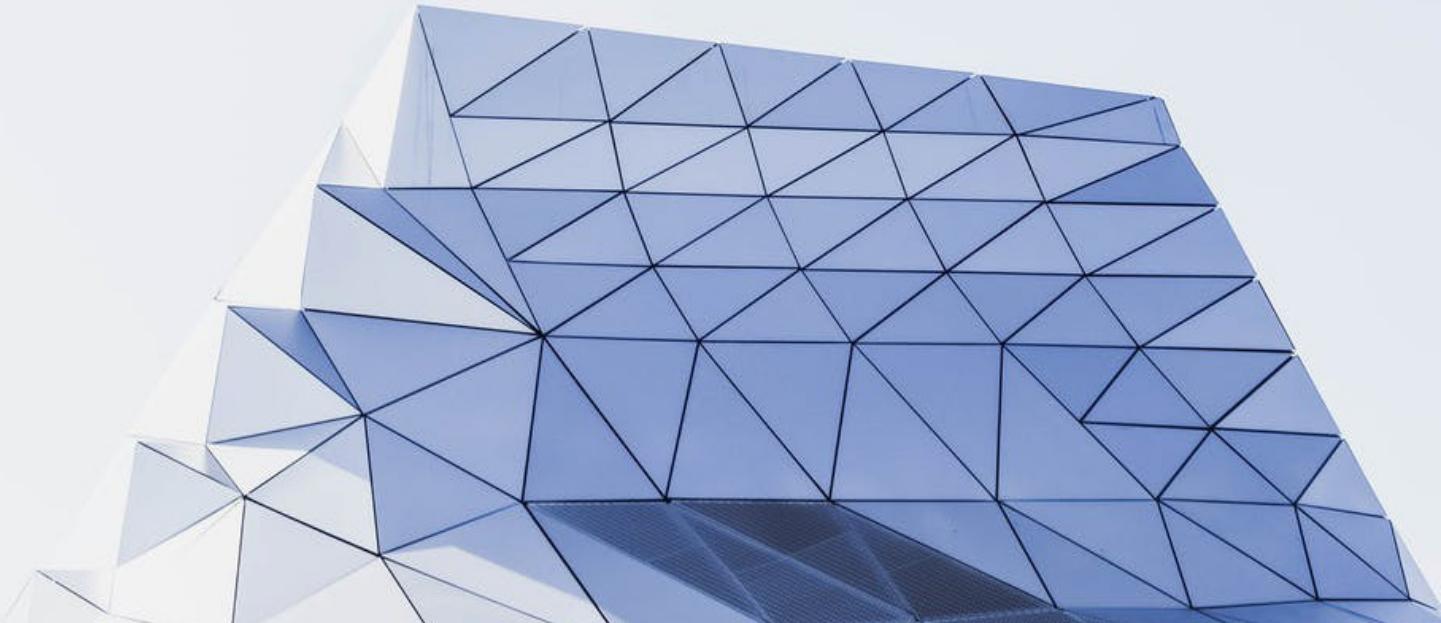
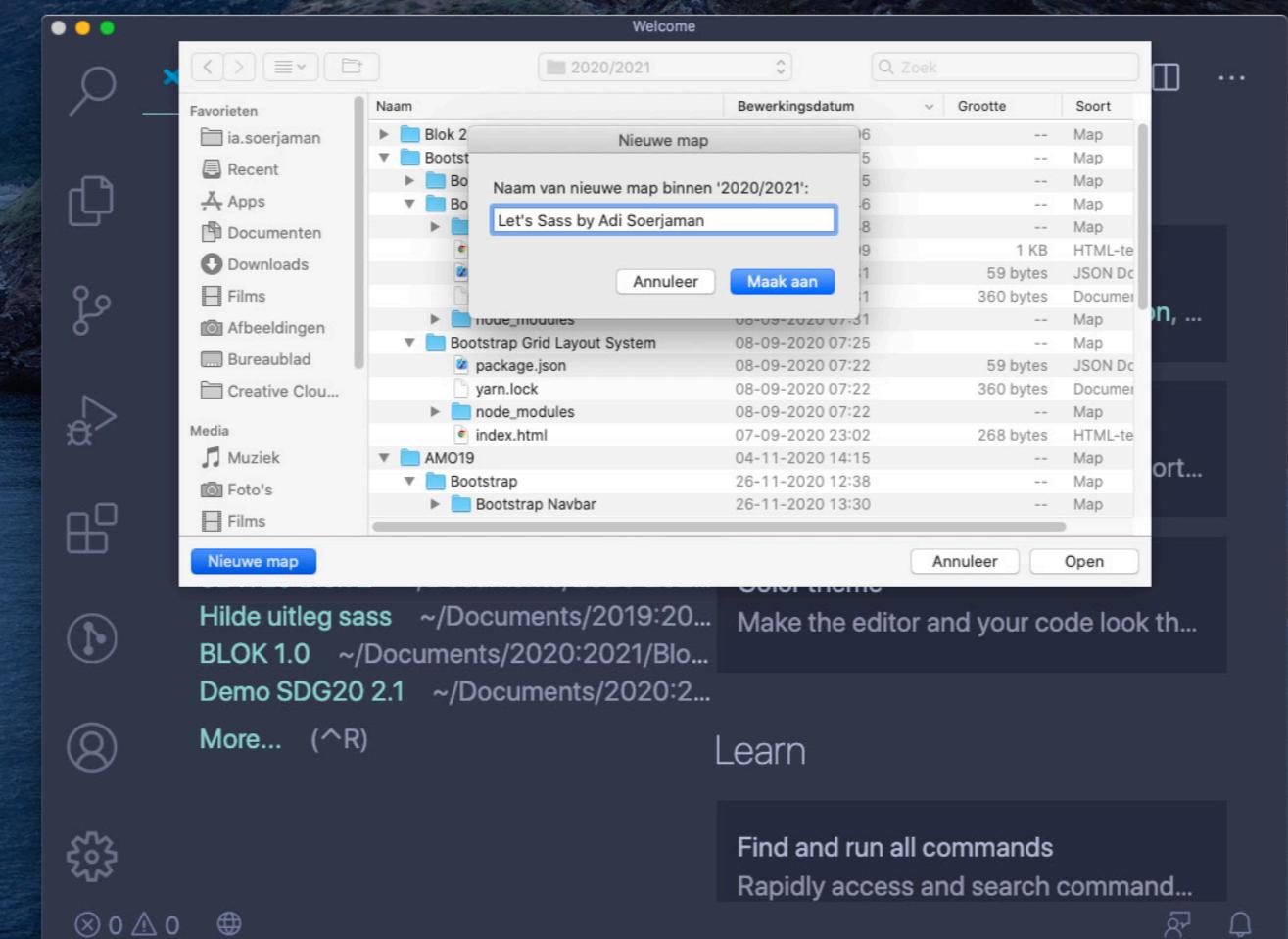


# **Crash Course SASS**

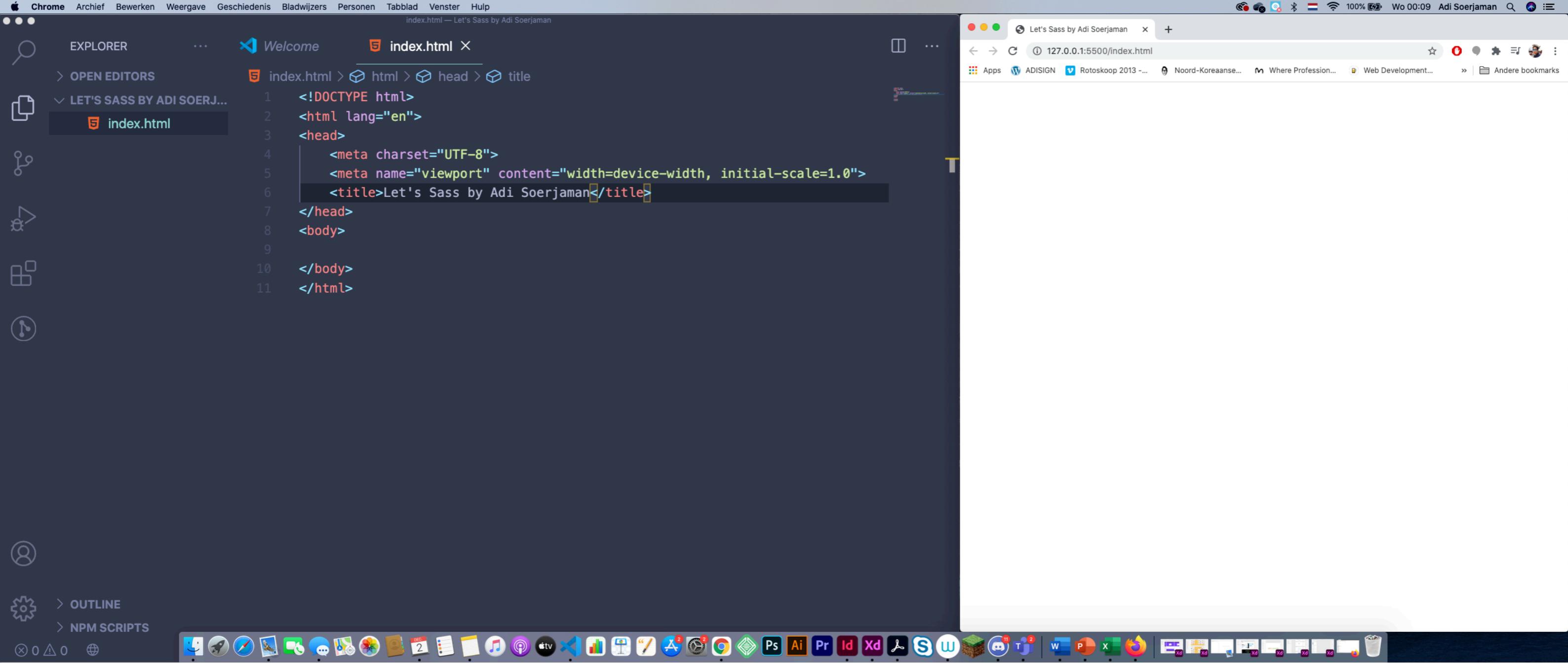
FRONTEND DEVELOPMENT





## 1. Start

We beginnen met het openen van je code-editor. Voor deze uitleg maak ik gebruik van Visual Studio Code. Maak een nieuwe map aan en geef het een naam.



Maak de volgende index.html file aan.

The screenshot shows a Mac desktop environment. In the center is a Visual Studio Code (VS Code) window titled "index.html — Let's Sass by Adi Soerjaman". The code editor displays the following HTML snippet:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Let's Sass by Adi Soerjaman</title>
  </head>
  <body>
```

A context menu is open over the title element, with the "Open with Live Server" option highlighted.

To the right of the VS Code window is a web browser window titled "Let's Sass by Adi Soerjaman" showing the same content at the URL [127.0.0.1:5500/index.html](http://127.0.0.1:5500/index.html).

At the bottom of the screen is the macOS Dock, which contains icons for various applications including Finder, Mail, Safari, and Creative Suite tools like Photoshop (Ps), Illustrator (Ai), and InDesign (Id).

Open de index.html met Live Server. Hiermee kan je meteen zien wat je aan het maken bent.

The screenshot shows a Mac desktop environment with two windows open. On the left is a window of the Visual Studio Code (VS Code) application. The title bar says "index.html — Let's Sass by Adi Soerjaman". The sidebar on the left shows "EXPLORER" with "OPEN EDITO..." and "1 UNSAVED", and "LET'S SASS BY ADI SOERJAMAN" with "index.html". The main editor area shows the following HTML code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Let's Sass by Adi Soerjaman</title>
</head>
<body>
    <header>
        <!-- Header Group 1 - Logo -->
        <h3 class="logo">
            <a href="#">2020</a>
        </h3>
    </header>
    <main></main>
    <footer></footer>
</body>
</html>
```

The line " <h3 class="logo">" is selected. On the right is a window of the Safari web browser. The title bar says "Let's Sass by Adi Soerjaman" and the address bar shows "127.0.0.1:5500/index.html". The browser displays the same HTML content as the code editor.

Na het toevoegen van de header, main en footer-tag beginnen we met het opbouwen van de header. Die bestaat uit drie groepen.

Code File Edit Selection View Go Run Terminal Window Help

index.html — Let's Sass by Adi Soerjaman

EXPLORER Welcome index.html ●

OPEN EDITO... 1 UNSAVED

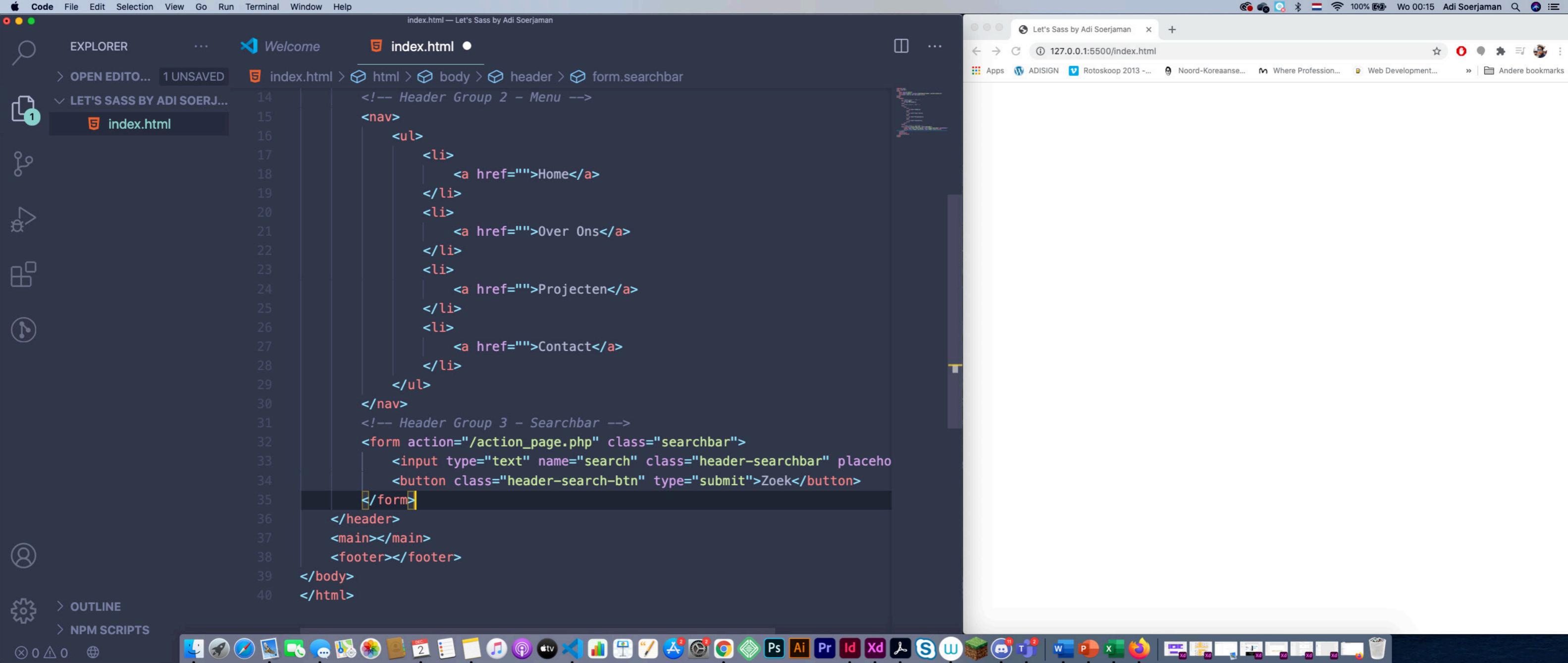
LET'S SASS BY ADI SOERJ... index.html

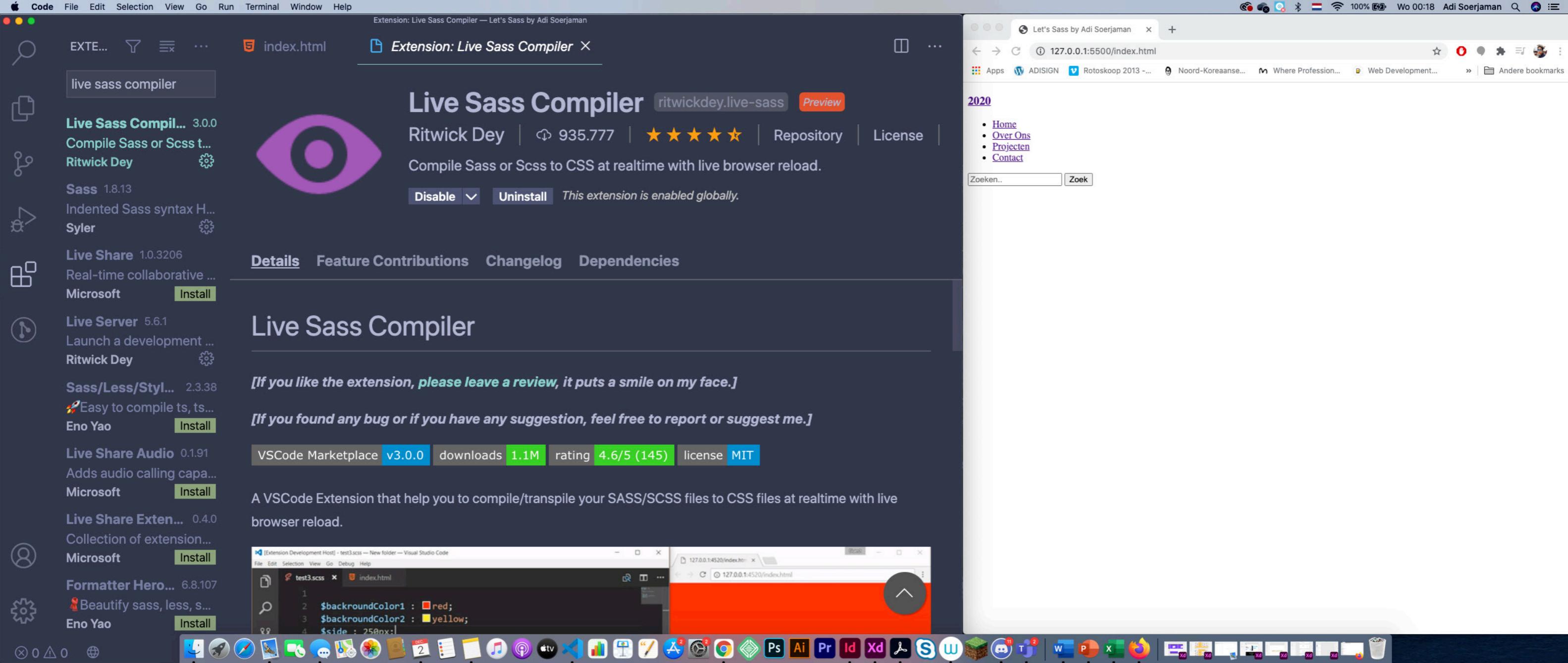
```
<!-- Header Group 2 - Menu -->
<nav>
  <ul>
    <li>
      <a href="">Home</a>
    </li>
    <li>
      <a href="">Over Ons</a>
    </li>
    <li>
      <a href="">Projecten</a>
    </li>
    <li>
      <a href="">Contact</a>
    </li>
  </ul>
</nav>
<!-- Header Group 3 - Searchbar -->
<form action="/action_page.php" class="searchbar">
  <input type="text" name="search" class="header-searchbar" placeholder="Search..." type="text">
  <button class="header-search-btn" type="submit">Zoek</button>
</form>
</header>
<main></main>
<footer></footer>
</body>
</html>
```

14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

127.0.0.1:5500/index.html

Apps ADISIGN Rotoskoop 2013 ... Noord-Koreaanse... Where Profession... Web Development... Andere bookmarks





## 1. Sass

Live Sass Compiler is een extension. Mocht je die nog niet hebben? Installeer het dat nu om vervolgens verder te gaan.

Code File Edit Selection View Go Run Terminal Window Help

index.html — Let's Sass by Adi Soerjaman

EXPLORER

OPEN EDITORS

LET'S... sass index.html

Welcome index.html

index.html > html > body > header > form.searchbar

```
<!-- Header Group 1 - Logo -->
<h3 class="logo">
|   <a href="#">2020</a>
</h3>
<!-- Header Group 2 - Menu -->
<nav>
    <ul>
        <li>
            <a href="">Home</a>
        </li>
        <li>
            <a href="">Over Ons</a>
        </li>
        <li>
            <a href="">Projecten</a>
        </li>
        <li>
            <a href="">Contact</a>
        </li>
    </ul>
</nav>
<!-- Header Group 3 - Searchbar -->
<form action="/action_page.php" class="searchbar">
    <input type="text" name="search" class="header-searchbar" placeholder="Zoek...">
    <button class="header-search-btn" type="submit">Zoek</button>
</form>
```

header > main > footer

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

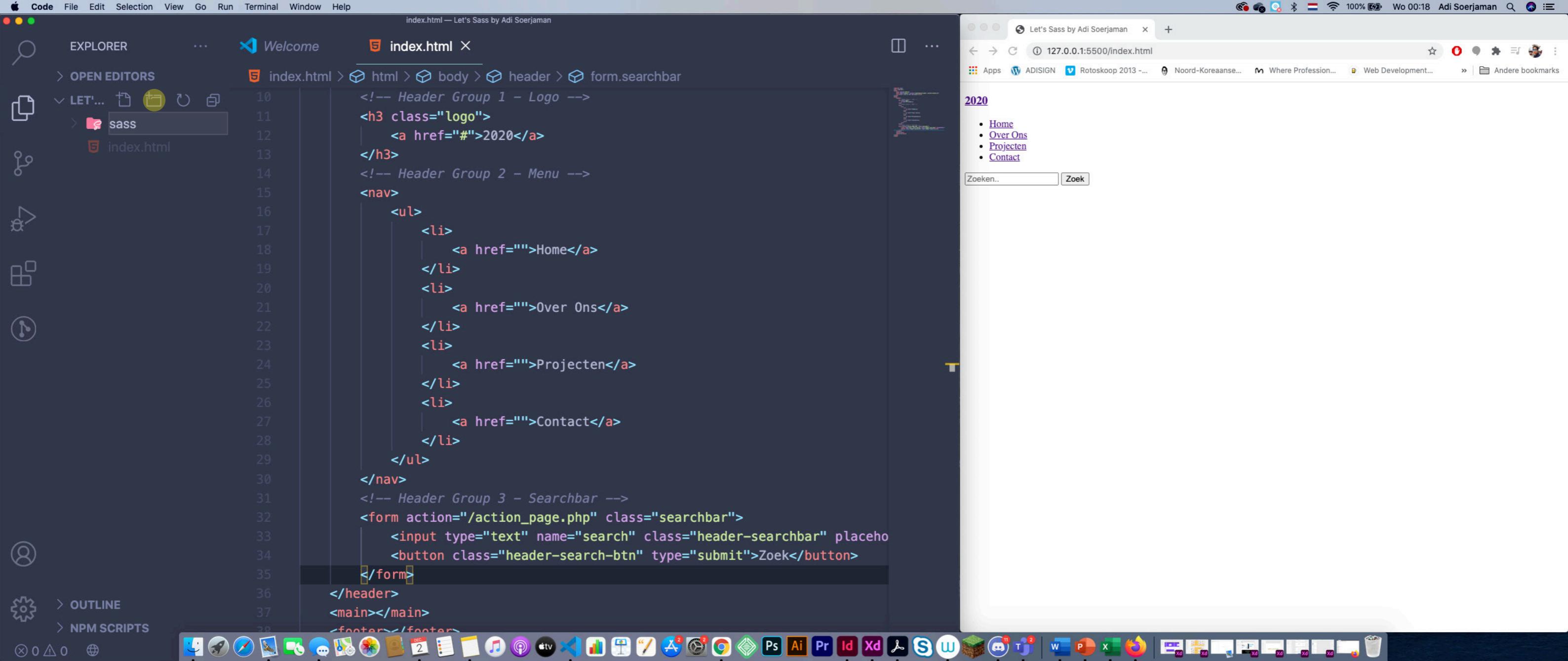
127.0.0.1:5550/index.html

Apps ADISIGN Rotoskoop 2013 ... Noord-Koreaanse... Where Profession... Web Development... Andere bookmarks

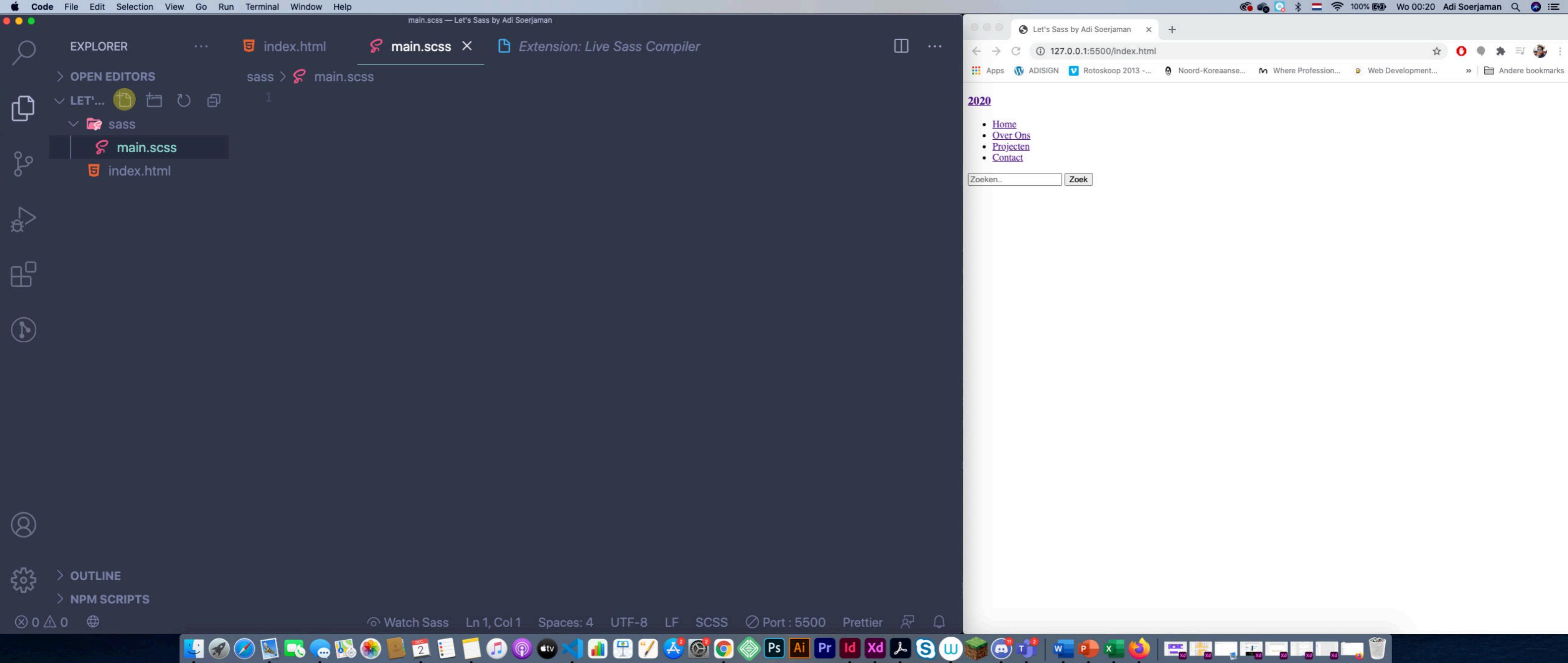
2020

- Home
- Over Ons
- Projecten
- Contact

Zoeken... Zoek



Maak vervolgens een sass-folder aan.



Maak in de sass-folder een sass-file aan en noem die main.scss. Alternatieven zijn style.scss of app.scss.

The screenshot shows a Microsoft Edge browser window displaying a live Sass compilation process within a Visual Studio Code (VS Code) interface.

**VS Code Explorer:**

- Open Editors: index.html, main.scss
- LET'S SASS BY ADI SOERJAMAN (sass folder): main.css, main.css.map, main.scss (highlighted)
- index.html

**VS Code Status Bar:**

- OUTPUT TERMINAL DEBUG CONSOLE ...
- Live Sass Compile
- Watching... (eye icon)
- Ln 1, Col 1 Spaces: 4 UTF-8 LF SCSS Port: 5500 Prettier

**Browser Content:**

- Title: main.scss — Let's Sass by Adi Soerjaman
- URL: 127.0.0.1:5500/index.html
- Content:
  - 2020
    - [Home](#)
    - [Over Ons](#)
    - [Projecten](#)
    - [Contact](#)
  - Zoeken.. Zoek

Onderin vind je een oog-icoontje dat na het klikken verandert in een verrekijker. Wanneer je daar op klikt dan zie je dat de main.scss wordt gecompileerd. Hierdoor ontstaan de main.css en de main.css.map.

The screenshot shows a code editor interface with a dark theme. In the top left, the browser's menu bar includes 'Chrome', 'Archief', 'Bewerken', 'Weergave', 'Geschiedenis', 'Bladwijzers', 'Personen', 'Tabblad', 'Venster', and 'Hulp'. The main area displays an 'EXPLORER' sidebar with files like 'index.html', 'main.scss', and 'main.css.map'. A central editor window titled 'main.scss' shows the following code:

```
font-family: 'Roboto', sans-serif;
```

Below the editor is an 'OUTPUT' tab showing the results of a 'Live Sass Compile':

```
Generated :  
/Users/ia.soerjaman/Documents/2020:2021/Let's Sass by Adi Soerjaman/sass/main.css  
/Users/ia.soerjaman/Documents/2020:2021/Let's Sass by Adi Soerjaman/sass/main.css.map  
-----  
Watching...
```

The bottom status bar indicates 'Watching...', 'Ln 1, Col 1', 'Spaces: 4', 'UTF-8', 'LF', 'SCSS', 'Port : 5500', and 'Prettier'.

In the top right, a browser window titled 'Let's Sass by Adi Soerjaman' is open at 'fonts.google.com'. It displays the 'Google Fonts' search results for the word 'Almost before we knew it, we had left the ground.' under the 'Trending' category. The results show four font families: Roboto, Texturina, Neko One, and Open Sans, each with a preview of the specified sentence.

We gaan eerst de fonts toevoegen. Ga daarvoor naar [fonts.google.com](https://fonts.google.com).

Chrome Archief Bewerken Weergave Geschiedenis Bladwijzers Personen Tabblad Venster Hulp

main.scss — Let's Sass by Adi Soerjaman

EXPLORER OPEN EDITORS LET'S SASS BY ADI SOERJ... 1

sass > main.scss

index.html

main.scss X Extension: Live Sass Compiler

OUTPUT TERMINAL DEBUG CONSOLE ... Live Sass Compile

Generated :  
/Users/ia.soerjaman/Documents/2020:2021/Let's Sass by Adi Soerjaman/sass/main.css  
/Users/ia.soerjaman/Documents/2020:2021/Let's Sass by Adi Soerjaman/sass/main.css.map

Watching...

Watching... Ln 1, Col 1 Spaces: 4 UTF-8 LF SCSS ⚡ Port : 5500 Prettier

Roboto

Select styles Glyphs About License Pairings

Thin 100 italic + Select this style

Almost before we knew

Light 300 + Select this style

Almost before we knew

Light 300 italic + Select this style

Almost before we knew

Regular 400 + Remove this style

Almost before we knew

Regular 400 italic + Select this style

Almost before we knew

Medium 500 + Select this style

Almost before we knew

Medium 500 italic + Select this style

Almost before we knew

Bold 700

Selected family Review Roboto Use on the web To embed a font, copy the code into the <head> of your html <link rel="preconnect" href="https://fonts.gstatic.com"> <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap" rel="stylesheet">

CSS rules to specify families

font-family: 'Roboto', sans-serif;

API docs Download all

This screenshot shows a development environment with two main windows. The left window is a code editor with an open file 'main.scss' under a 'sass' folder. The right window is a font selection interface for the 'Roboto' font, showing various weight and style options with preview text. The bottom of the right window displays CSS code for embedding the font.

Selecteer Roboto 400 (en volgens mij ook 600).

The screenshot shows a web browser displaying the Google Fonts specimen page for the Barlow Condensed font family. The browser window has tabs for 'main.scss — Let's Sass by Adi Soerjaman' and 'Barlow Condensed - Google Font Specimen'. The page lists various font weights and styles, including Light 300, Light 300 italic, Regular 400, Regular 400 italic, Medium 500, Medium 500 italic, and Semi-bold 600. Each style is shown with a preview and a 'Select this style' button. On the left, there is a sidebar titled 'Selected families' with 'Roboto' and 'Barlow Condensed' listed. Below that is a section titled 'Use on the web' with instructions to embed the font into an HTML file. A code snippet for an @import statement is provided. The bottom right of the browser window has 'API docs' and 'Download all' buttons.

Code Editor (VS Code) Screenshot:

- Explorer:** Shows a project structure with a folder 'sass' containing 'main.css', 'main.css.map', and 'main.scss' (which is currently open).
- Editor:** The 'main.scss' file contains the following code:

```
@import url('https://fonts.googleapis.com/css2?family=Barlow+Condensed:wght@300;400;500;700&family=Roboto&display=swap');
```
- Output Console:** Shows the results of the Sass compilation:

```
Generated :  
/Users/ia.soerjaman/Documents/2020:2021/Let's Sass by Adi Soerjaman/sass/main.css  
/Users/ia.soerjaman/Documents/2020:2021/Let's Sass by Adi Soerjaman/sass/main.css.map
```
- Status Bar:** Includes icons for watching files, line 1, column 122, spaces: 4, UTF-8 encoding, LF line endings, SCSS, port 5500, Prettier, and a bell icon.

Daarna ook Barlow Condensed 300, 400, 500 en 700.

Code File Edit Selection View Go Run Terminal Window Help

main.scss — Let's Sass by Adi Soerjaman

EXPLORER index.html main.scss Extension: Live Sass Compiler

sass > main.scss > ...

```
1 @import url('https://fonts.googleapis.com/css2?family=Barlow+Condensed:wght@300;400;500;700&family=Roboto&display=swap');
```

1 // Adding the Variables  
2 \$font-stack: 'Barlow', sans-serif;  
3 \$font-text: 'Roboto', sans-serif;  
4 \$primary-color: #22F0D7;  
5 \$bg-color: #01A4D;  
6 \$dark-color: #001021;  
7 \$light-color: #FFFFFF;

OUTPUT TERMINAL DEBUG CONSOLE ... Live Sass Compile

Generated :  
/Users/ia.soerjaman/Documents/2020:2021/Let's Sass by Adi Soerjaman/sass/main.css  
/Users/ia.soerjaman/Documents/2020:2021/Let's Sass by Adi Soerjaman/sass/main.css.map

Watching...  
-----

Watching... Ln 9, Col 23 Spaces: 4 UTF-8 LF SCSS ⚡ Port: 5500 Prettier 🎧

Importeer de fonts in je main.scss.

We maken nu de bovenstaande variables aan.

Chrome Archief Bewerken Weergave Geschiedenis Bladwijzers Personen Tabblad Venster Hulp

index.html — Let's Sass by Adi Soerjaman

EXPLORER OPEN EDITORS LET'S SASS BY ADI SOERJ... sass main.css main.css map main.scss index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Let's Sass by Adi Soerjamam</title>
    <link rel="stylesheet" href="sass/main.css">
</head>
<body>
    <header>
        <!-- Header Group 1 -->
        <h3 class="logo">
            <a href="#">2020</a>
        </h3>
        <!-- Header Group 2 -->
        <nav>
            <ul>
                <li>
                    <a href="">Home</a>
                </li>
                <li>
                    <a href="">Over Ons</a>
                </li>
                <li>
                    <a href="">Projecten</a>
                </li>
            </ul>
        </nav>
    </header>

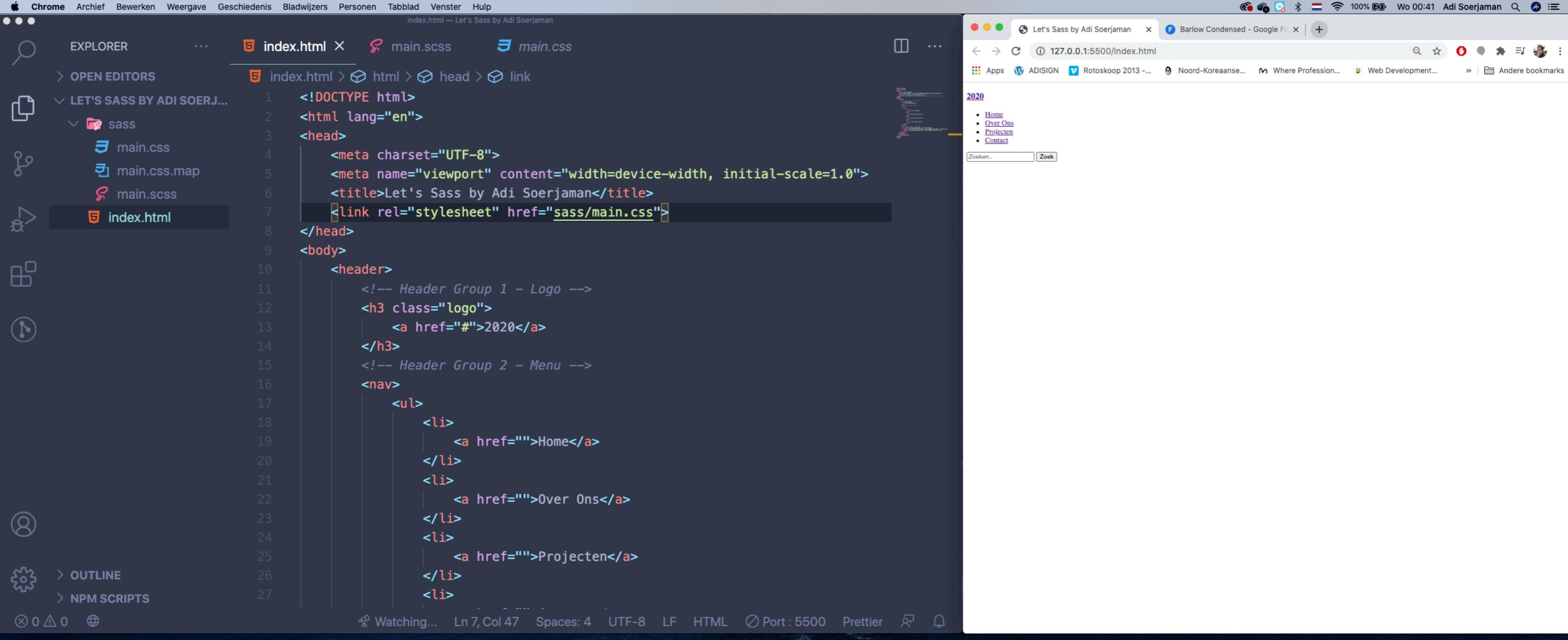
```

Watching... Ln 7, Col 47 Spaces: 4 UTF-8 LF HTML Port : 5500 Prettier

2020 Home Over Ons Projecten Contact Zoeken... Zoek

127.0.0.1:5500/index.html Apps ADISIGN Rotoskoop 2013 ... Noord-Koreaanse... Where Profession... Web Development... Andere bookmarks

Wo 00:41 Adi Soerjaman



Link de main.css. Verwar het niet met main.scss.

The screenshot shows a development setup with two main windows. On the left is a code editor (VS Code) displaying a Sass file named 'main.scss'. The file contains the following code:

```
@import url('https://fonts.googleapis.com/css2?family=Barlow+Condensed:wght@300,400,500,600,700,800&display=swap');  
// Adding the Variables  
$font-stack: 'Barlow', sans-serif;  
$font-text: 'Roboto', sans-serif;  
$primary-color: #22F0D7;  
$bg-color: #01A4D;  
$dark-color: #001021;  
$light-color: #FFFFFF;  
  
body {  
    background-color: $bg-color;  
    margin: 0;  
}
```

The editor interface includes a sidebar with project files ('index.html', 'main.css', 'main.css.map', 'main.scss') and a bottom status bar indicating success ('Success'), line 14, column 2, and other settings like 'Port: 5500'.

On the right is a web browser window showing the result of the Sass compilation. The page title is 'Let's Sass by Adi Soerjaman' and the URL is '127.0.0.1:5500/index.html'. The browser displays a dark blue page with white text and a navigation menu on the left.

We gebruiken een variable om de background van de body aan te passen.

The screenshot shows a development setup with two main windows. On the left is a dark-themed code editor (VS Code) displaying a Sass file named `main.scss`. The file contains the following code:

```
$primary-color: #22F0D7;
$bg-color: #011A4D;
$dark-color: #001021;
$light-color: #FFFFFF;

body {
    background-color: $bg-color;
    margin: 0;
}

// Let's do Nesting
header {
    display: flex;
    justify-content: space-between;
    align-items: center;
    height: 70px;
    min-width: 100vw;
    position: fixed;
    top: 0;
    z-index: 2;
    margin: 0;
}
```

The right window is a web browser showing the rendered HTML output at `127.0.0.1:5500/index.html`. The page has a dark blue header with a height of 70px, centered content, and a fixed position.

Vervolgens gaan we de header stijlen.

The screenshot shows a development setup with two main windows. On the left is a code editor (VS Code) displaying a Sass file named `main.scss`. The code uses nesting to style a header and its logo. On the right is a web browser window showing the resulting HTML output. The browser title is "Let's Sass by Adi Soerjaman" and the URL is "127.0.0.1:5500/index.html". The page content includes the year "2020" and some navigation links.

```
main.scss — Let's Sass by Adi Soerjaman
EXPLORER    ...  index.html  main.scss  main.css
OPEN EDITORS
LET'S SASS BY ADI SOERJ...
sass > main.scss > header > .logo
14 }
15
16 // Let's do Nesting
17 header {
18   display: flex;
19   justify-content: space-between;
20   align-items: center;
21   height: 70px;
22   min-width: 100vw;
23   position: fixed;
24   top: 0;
25   z-index: 2;
26   margin: 0;
27   .logo {
28     a {
29       text-decoration: none;
30       color: $light-color;
31       font-size: 34px;
32       font-family: $font-stack;
33       padding-left: 140px;
34       &:hover {
35         color: $primary-color;
36       }
37     }
38   }
39 }
```

Watching... Ln 38, Col 6 Spaces: 4 UTF-8 LF SCSS Port : 5500 Prettier

Let's Sass by Adi Soerjaman 127.0.0.1:5500/index.html

2020

Home Over Ons Projecten Contact

Met Sass kunnen we nesten. Neem regel 27 t/m 39 over om Group 1 te stylen.

The screenshot shows a development setup with two main windows. On the left is a code editor (VS Code) displaying a Sass file (`main.scss`) with the following code:

```
main.scss — Let's Sass by Adi Soerjaman
sass > main.scss > header > nav
33 padding-left: 140px;
34 &:hover {
35   color: $primary-color;
36 }
37 }
38 nav {
39   ul {
40     display: flex;
41     justify-content: space-between;
42     width: 547px;
43   }
44   li {
45     list-style: none;
46   }
47   a {
48     text-decoration: none;
49     color: $light-color;
50     font-size: 24px;
51     font-family: $font-text;
52     &:hover {
53       color: $primary-color;
54     }
55   }
56 }
57 }
58 }
```

The editor interface includes a sidebar with project files (`sass`, `index.html`, etc.), a status bar at the bottom, and a browser preview window on the right.

Idem voor de nav.

The screenshot shows a development setup with two main windows. On the left is a code editor (VS Code) displaying a Sass file named `main.scss`. The file contains CSS declarations for a search bar, including styles for the main container and a button. On the right is a web browser window showing the resulting HTML page. The browser title is "Let's Sass by Adi Soerjaman" and the URL is "127.0.0.1:5500/index.html". The page has a header with a search bar and a button labeled "Search". The status bar at the bottom of the code editor indicates "Watching...", line 60, column 19, and other settings like "Spaces: 4", "UTF-8", "LF", "SCSS", "Port: 5500", and "Prettier".

```
main.scss — Let's Sass by Adi Soerjaman
sass > main.scss > header > .searchbar

56 }
57 }
58 .searchbar {
59   display: flex;
60   width: 380px;
61   justify-content: space-between;
62   padding-right: 140px;
63   .header-searchbar {
64     width: 216px;
65     height: 40px;
66     border-radius: 5px;
67     border: none;
68     padding-left: 15px;
69   }
70   .header-search-btn {
71     width: 120px;
72     height: 40px;
73     border: solid #FFFFFF 2px;
74     border-radius: 5px;
75     background: none;
76     color: $light-color;
77     font-family: $font-text;
78     font-size: 24px;
79     &:hover {
80       background-color: $primary-color;
81     }
82 }
```

En ook voor de searchbar.

The screenshot shows a Microsoft Visual Studio Code interface on the left and a web browser window on the right. The code editor has several tabs open, including 'main.scss', '\_home.scss', '\_variables.scss', '\_header.scss', and '\_fonts.scss'. The '\_fonts.scss' tab contains the following SCSS code:

```
@import url('https://fonts.googleapis.com/css2?family=Barlow+Condensed:wght@300,400,500,600,700&display=swap');
```

The browser window on the right displays a website with the title 'Let's Sass by Adi Soerjaman'. The page content includes a navigation bar with links for 2020, Home, Over Ons, Projecten, and Contact. Below the navigation is a search bar labeled 'Zoeken...' and a button labeled 'Zoek'.

We maken in de sass-folder een utilities-folder. Hierin maken wij een \_fonts.scss-file aan. Het lage streepje is belangrijk. Daarmee wordt de main.scss verlengd en wordt er niet opnieuw een css-file gecompiled. Plaats regel 1 van de main.scss nu op regel 1 van \_fonts.scss.

The screenshot shows a Microsoft Visual Studio Code interface with a dark theme. The top menu bar includes 'Code', 'File', 'Edit', 'Selection', 'View', 'Go', 'Run', 'Terminal', 'Window', and 'Help'. The title bar of the active window is '\_variables.scss — Let's Sass by Adi Soerjaman'. The left sidebar ('EXPLORER') shows a file tree with a folder named 'LET'S SASS BY ADI SOERJAMAN' containing 'sass', 'layout', 'pages', and 'utilities' subfolders. Inside 'utilities' are '\_fonts.scss' and '\_variables.scss'. Other files listed include 'main.css', 'main.css.map', 'main.scss', and 'index.html'. The main editor area displays the content of '\_variables.scss':

```
1 // Adding the Variables
2 $font-stack: 'Barlow', sans-serif;
3 $font-text: 'Roboto', sans-serif;
4 $primary-color: #22F0D7;
5 $bg-color: #011A4D;
6 $dark-color: #001021;
7 $light-color: #FFFFFF;
```

Below the editor are status icons for watching, port 5500, Prettier, and a bell. The bottom status bar shows 'Watching...', 'Ln 7, Col 23', 'Spaces: 4', 'UTF-8', 'LF', 'SCSS', 'Port : 5500', 'Prettier', and a refresh icon.

The right side of the screen shows a browser window titled 'Let's Sass by Adi Soerjaman' with the URL '127.0.0.1:5500/index.html'. The page content includes a header with '2020', 'Home', 'Over Ons', 'Projecten', and 'Contact' links, and a search bar labeled 'Zoeken...'.

Maak nu binnen dezelfde folder een \_variables.scss aan en plaats daarin de variables uit de main.scss.

The screenshot shows a development setup with two main windows. On the left is a code editor (VS Code) displaying a Sass file named `_home.scss`. The file contains the following code:

```
body {  
    background-color: $bg-color;  
    margin: 0;  
}
```

The editor's sidebar shows a project structure under the `sass` folder:

- `LET'S SASS BY ADI SOERJ...`
- `sass` (with a red exclamation mark)
- `layout`
  - `_header.scss`
- `pages`
  - `_home.scss` (highlighted in blue)
- `utilities`
  - `_fonts.scss`
  - `_variables.scss`

Below the editor are several status icons and a message bar:

- Watching... (green circle)
- Ln 4, Col 2
- Spaces: 4
- UTF-8
- LF
- SCSS
- Port : 5500
- Prettier
- Reload (blue square)
- Bell (blue circle)

On the right is a browser window showing a live preview of the CSS. The page has a dark blue header with the text "2020", "Home", "Over Ons", "Projecten", and "Contact". The main content area has a light blue background color.

Maak nu in de sass-folder een pages-folder aan met daarin een `_home.scss`-file. Plaats hierin de body.

The screenshot shows a development setup with two main windows. On the left is a code editor (VS Code) displaying SCSS code for a header. The editor has a dark theme and includes a sidebar with project files like 'sass', 'layout', 'pages', and 'utilities'. The main editor area shows the following SCSS code:

```
// Let's do Nesting
header {
    display: flex;
    justify-content: space-between;
    align-items: center;
    height: 70px;
    min-width: 100vw;
    position: fixed;
    top: 0;
    z-index: 2;
    margin: 0;
    .logo {
        a {
            text-decoration: none;
            color: $light-color;
            font-size: 34px;
            font-family: $font-stack;
            padding-left: 140px;
            &:hover {
                color: $primary-color;
            }
        }
    }
    nav {
        ul {
            display: flex;
            justify-content: space-between;
        }
    }
}
```

At the bottom of the editor, status bars indicate 'Watching...', 'Ln 46, Col 38', 'Spaces: 4', 'UTF-8', 'LF', 'SCSS', 'Port: 5500', and 'Prettier'. On the right is a browser window showing a live preview of the code at '127.0.0.1:5500/index.html'. The browser title is 'Let's Sass by Adi Soerjaman' and the URL is 'Barlow Condensed - Google Fc'. The page content includes a navigation bar with links for 2020, Home, Over Ons, Projecten, Contact, and Zoeken, along with a search bar labeled 'Zoek'.

Maak nu ook een layout-folder aan met daarin \_header.scss. en zoals je misschien al kunt raden stoppen we daarin de code voor de header.

The screenshot shows a code editor (VS Code) and a browser window side-by-side. The code editor displays a Sass file structure under the path `sass > main.scss`. The main.scss file contains the following imports:

```
1 @import "./utilities/fonts";
2 @import "./utilities/variables";
3 @import "./layout/header";
4 @import "./pages/home";
```

The browser window shows a live preview of the website at `127.0.0.1:5500/index.html`. The page has a header with the year "2020" and navigation links for Home, Over Ons, Projecten, and Contact. A search bar at the top right is labeled "Zoek" (Search).

Om alles met elkaar te verbinden importeren we de aangemaakte files. Op deze manier kunnen we de code netjes groeperen. Op <https://sass-guidelin.es/#architecture> vind je meer info over het structureren van je sass-code. Ook vind je hier uitgebreide informatie over de 7-1 Pattern.

Code File Edit Selection View Go Run Terminal Window Help

index.html — Let's Sass by Adi Soerjaman

EXPLORER ... index.html ● main.scss \_home.scss \_variables.scss \_header.scss \_fonts.scss main.css

> OPEN EDITO... 2 UNSAVED

LET'S SASS BY ADI SOERJ... 2

sass

layout

\_header.scss

pages

\_home.scss

utilities

\_fonts.scss

\_variables.scss

main.css

main.css.map

main.scss

index.html

index.html > html > body > main > div.row-100 > div.comp-1 > div.btn-menu > a.btn-outline

```
28      <a href="#">Contact</a>
29
30      </li>
31  </ul>
32  </nav>
33  <!-- Header Group 3 – Searchbar -->
34  <form action="/action_page.php" class="searchbar">
35      <input type="text" name="search" class="header-searchbar" placeholder="Zoeken..">
36      <button class="header-search-btn" type="submit">Zoek</button>
37  </form>
38  </header>
39  <main>
40      <div class="row-100">
41          <div class="bg-overlay"></div>
42          <div class="comp-1">
43              <h1><span class="h-primary">Welkom</span> op de <span class="h-primary">Website</span> van <span class="h-primary">AM019</span>!</h1>
44              <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Cursus turpi:
45              <div class="btn-menu">
46                  <a href="#" class="btn-primary">Over Ons</a>
47                  <a href="#" class="btn-outline">Portfolio</a>
48              </div>
49          </div>
50      </main>
51      <footer></footer>
52  </body>
53  </html>
```

Watching... Ln 46, Col 61 Spaces: 4 UTF-8 LF HTML Port : 5500 Prettier

We gaan naar de volgende sectie. Hiervoor gaan we weer terug naar index.html en voegen we regel 39 t/m 49 toe. Row-100 staat voor 'een rij met 100vh'. Jullie mogen jullie eigen benamingen geven. Als het maar duidelijk is. Comp-1 is een afkorting voor 'composition 1'. Deze zouden we dus meerdere keren in de code kunnen toepassen.

Code File Edit Selection View Go Run Terminal Window Help

\_home.scss — Let's Sass by Adi Soerjaman

EXPLORER index.html main.scss \_home.scss \_variables.scss ...

> OPEN EDITOR 2 UNSAVED sass > pages > \_home.scss > .row-100 > p

LET'S SASS BY ADI SOERJAMAN

- ✓ sass
- ✓ layout
- ✓ \_header.scss
- ✓ pages
- ✓ \_home.scss
- ✓ utilities
- ✓ \_fonts.scss
- ✓ \_variables.scss
- ✓ main.css
- ✓ main.css.map
- ✓ main.scss
- ✓ index.html

2020 Home Over Ons Projecten Contact Zoeken... Zoek

2020 Home Over Ons Projecten Contact Zoeken... Zoek

.row-100 {  
 height: 100vh;  
 background-image: url(/img/bg-1.jpg);  
 background-size: cover;  
 background-repeat: no-repeat;  
 background-position: center;  
 display: flex;  
 align-items: flex-end;  
.comp-1 {  
 width: 874px;  
 position: relative;  
 z-index: 2;  
 padding: 0 140px 160px;  
}  
h1 {  
 margin: 0;  
 font-family: \$font-primary;  
 font-size: 64px;  
 font-weight: 500;  
 color: \$color-light;  
 text-transform: uppercase;  
}

Watching... Ln 33, Col 25 Spaces: 4 UTF-8 LF SCSS ⚡ Port: 5500 Prettier 🌐 🔔

Voor het stylen nemen we regel 6 t/m 36 over. Doe dat stap voor stap en kijk wat er telkens verandert. Zie de volgende sheet voor de overige code.

Code File Edit Selection View Go Run Terminal Window Help

\_home.scss — Let's Sass by Adi Soerjaman

EXPLORER

> OPEN EDITORS

LET'S SASS BY ADI SOERJ...

- sass sass
- layout \_header.scss
- pages \_home.scss
- utilities \_fonts.scss
- \_variables.scss

main.css main.css.map

\_home.scss

index.html

> OUTLINE

> NPM SCRIPTS

Watching... Ln 26, Col 35 Spaces: 4 UTF-8 LF SCSS Port: 5500 Prettier

`sass > pages > _home.scss > .row-100 > h1`

```
position: relative;
z-index: 2;
padding: 0 140px 160px;

h1 {
    margin: 0;
    font-family: $font-stack;
    font-size: 64px;
    font-weight: 500;
    color: $light-color;
    text-transform: uppercase;

    .h-primary {
        color: $primary-color;
    }

    p {
        font-family: $font-text;
        font-size: 24px;
        color: $light-color;
    }
}
```

2020 Home Over Ons Projecten Contact Zoeken... Zoek

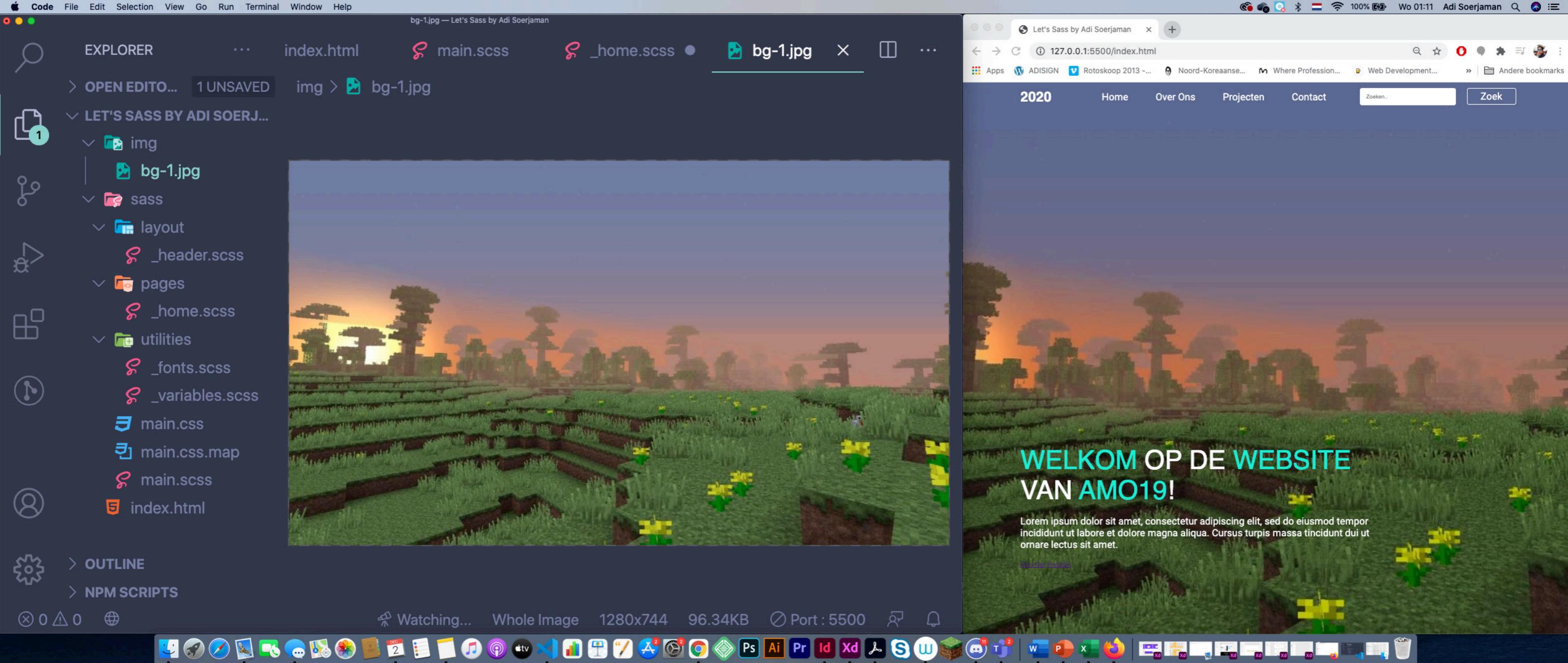
127.0.0.1:5500/index.html

Apps ADISIGN Rotoskop 2013 ... Noord-Koreaanse... Where Profession... Web Development... Andere bookmarks

WELKOM OP DE WEBSITE VAN AMO19!

Over Ons Portfolio

100% Wo 01:06 Adi Soerjaman



Op row-100 zit een background-image. Maak een folder met img, image of images aan.  
Plaats daarin de afbeelding. Er is al een link gemaakt op regel 8.

Code File Edit Selection View Go Run Terminal Window Help

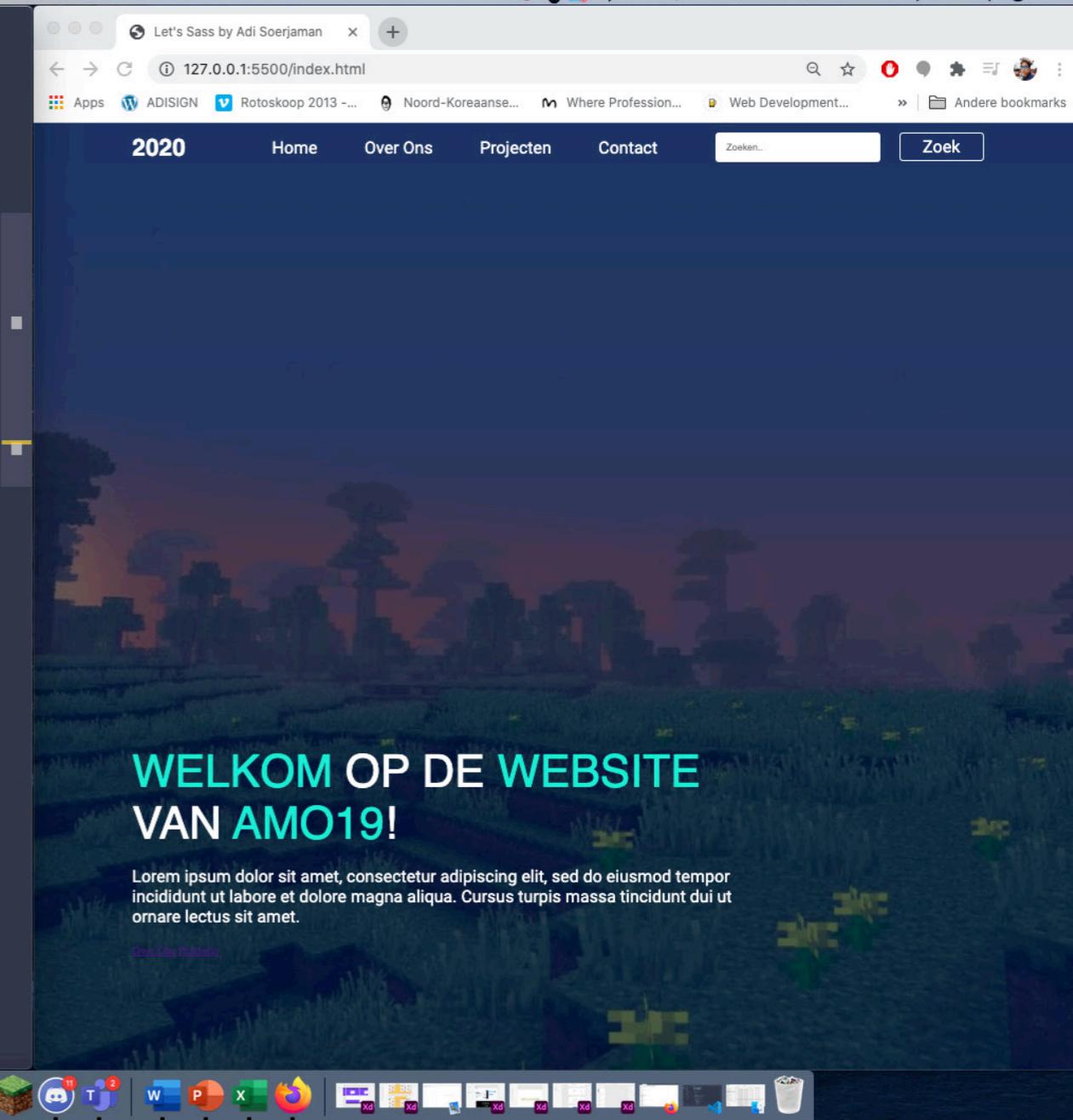
\_home.scss — Let's Sass by Adi Soerjaman

EXPLORER OPEN EDITORS LET'S SASS BY ADI SOERJ... sass > pages > \_home.scss > .row-100 > .bg-overlay

```
.row-100 {  
    height: 100vh;  
    background-image: url(/img/bg-1.jpg);  
    background-size: cover;  
    background-repeat: no-repeat;  
    background-position: center;  
    display: flex;  
    align-items: flex-end;  
    .bg-overlay {  
        background-color: $bg-color;  
        height: 100vh;  
        z-index: 1;  
        position: absolute;  
        top: 0;  
        bottom: 0;  
        left: 0;  
        right: 0;  
        opacity: 0.65;  
    }  
    .comp-1 {  
        width: 874px;  
        position: relative;  
    }  
}
```

Watching... Ln 24, Col 6 Spaces: 4 UTF-8 SCSS Port: 5500 Prettier

2020 Home Over Ons Projecten Contact Zoeken... Zoek



Neem nu regel 14 t/m 24 voor de bg-overlay.

Code File Edit Selection View Go Run Terminal Window Help

\_buttons.scss — Let's Sass by Adi Soerjaman

EXPLORER

> OPEN EDITOR 2 UNSAVED

LET'S SASS BY ADI SOERJ... 2

- img
- bg-1.jpg
- sass
- components
- \_buttons.scss
- layout
- \_header.scss
- pages
- \_home.scss
- utilities
- \_fonts.scss
- \_variables.scss
- main.css
- main.css.map
- main.scss

> OUTLINE

> NPM SCRIPTS

Watching... Ln 12, Col 2 Spaces: 4 UTF-8 SCSS Port : 5500 Prettier

```
%btn {  
  width: 250px;  
  height: 50px;  
  border-radius: 5pt;  
  font-family: $font-text;  
  font-size: 24px;  
  display: flex;  
  justify-content: space-around;  
  align-items: center;  
  text-decoration: none;  
  text-transform: uppercase;
```

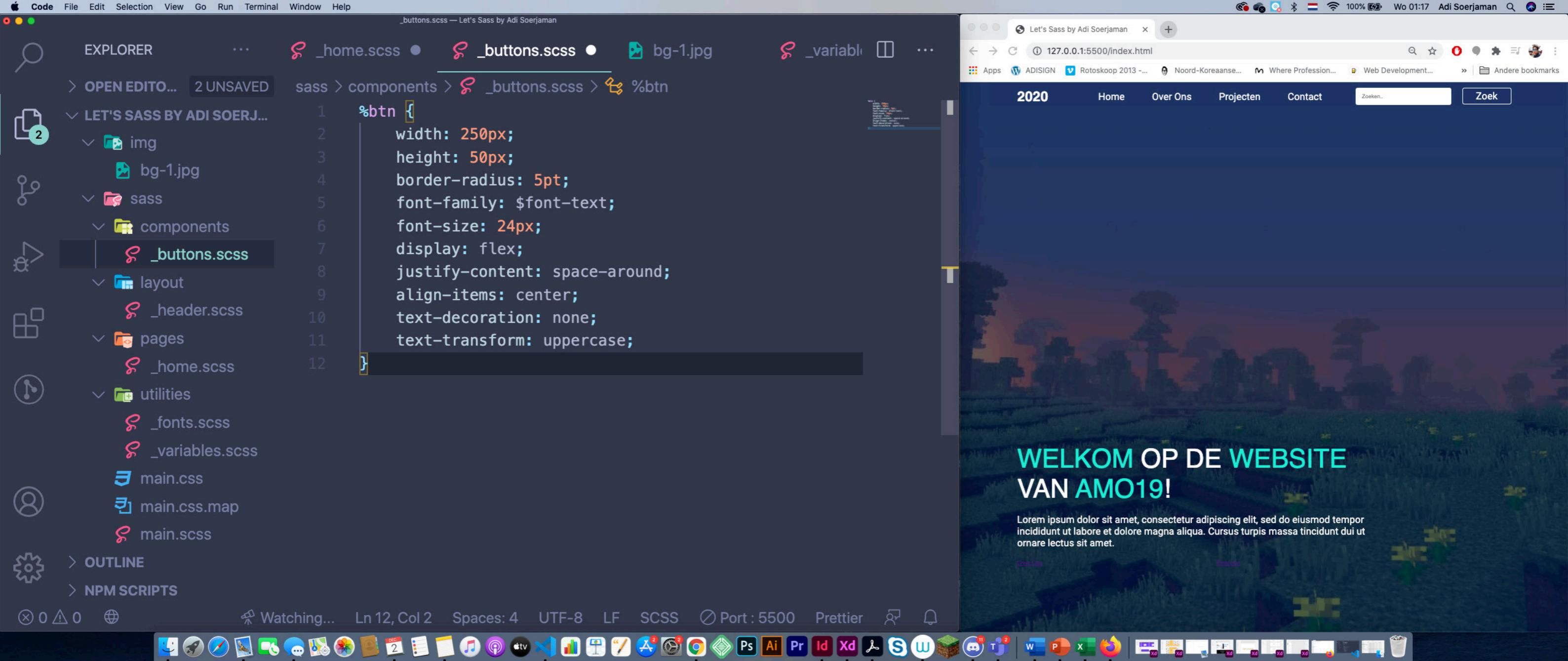
Let's Sass by Adi Soerjaman 127.0.0.1:5500/index.html

2020 Home Over Ons Projecten Contact Zoeken... Zoek

WELKOM OP DE WEBSITE VAN AMO19!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Cursus turpis massa tincidunt dui ut ornare lectus sit amet.

Over Ons Portfolio



Nu maken we gebruik van de optie '#extend'. Op <https://sass-guidelin.es/#extend> vind je hier meer informatie over. Maak in je sass-folder een component-folder met daarin een \_button.scss-file. Plaats daarin de bovenstaande code.

Code File Edit Selection View Go Run Terminal Window Help

\_buttons.scss — Let's Sass by Adi Soerjaman

EXPLORER

> OPEN EDITOR... 1 UNSAVED

LET'S SASS BY ADI SOERJ... 1

img bg-1.jpg

sass components \_buttons.scss

10 text-decoration: none;

11 text-transform: uppercase;

12 }

13

14 .btn-primary {

15 @extend %btn;

16 background-color: \$primary-color;

17 color: \$dark-color;

18 &:hover {

19 background-color: \$light-color;

20 }

21 }

22

23 .btn-outline {

24 @extend %btn;

25 border: solid \$light-color 3px;

26 color: \$light-color;

27 &:hover {

28 background-color: \$light-color;

29 color: \$dark-color;

30 }

31 }

Watching... Ln 27, Col 14 Spaces: 4 UTF-8 SCSS Port: 5500 Prettier

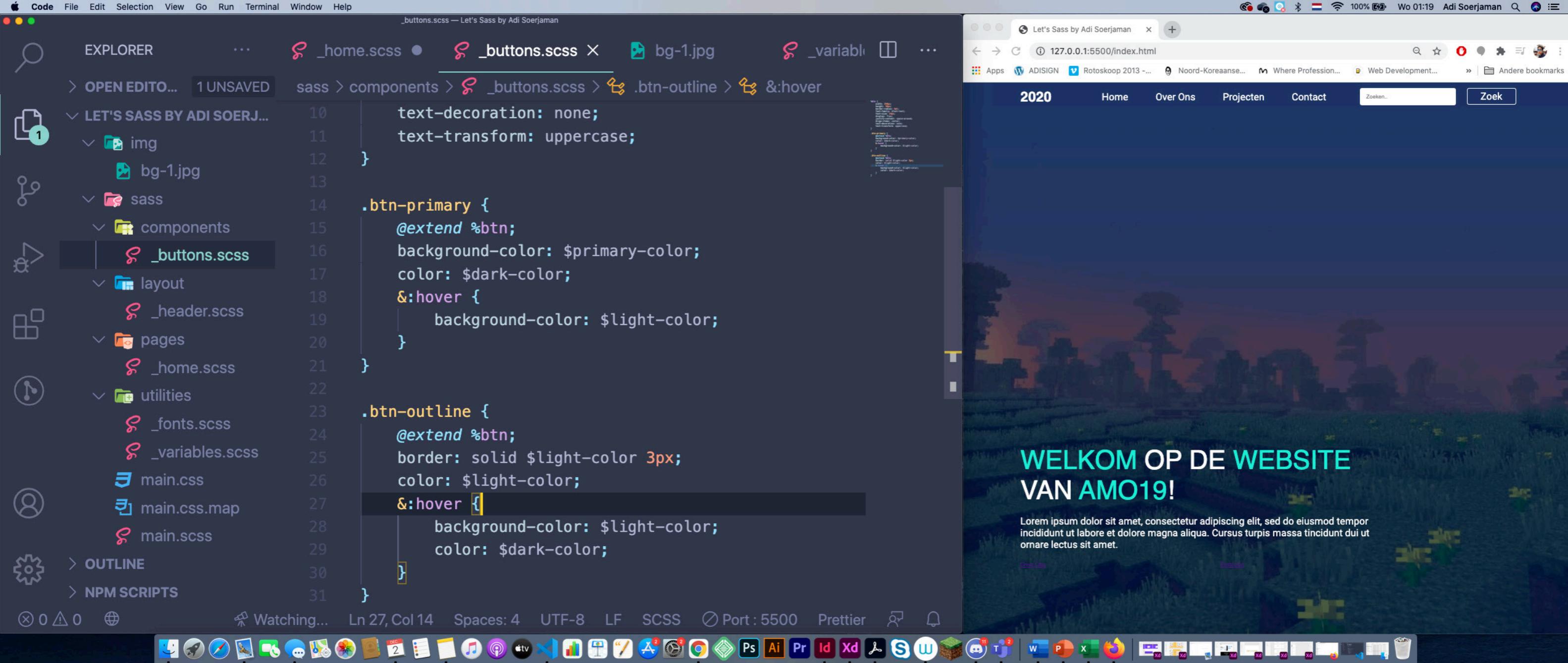
2020 Home Over Ons Projecten Contact Zoeken... Zoek

127.0.0.1:5500/index.html

Apps ADISIGN Rotoskoop 2013 Noord-Koreaanse... Where Profession... Web Development... Andere bookmarks

WELKOM OP DE WEBSITE VAN AMO19!

100% Wo 01:19 Adi Soerjaman



Beide buttons kunnen nu worden gestijld door eerder geschreven code te extenderen.  
Neem regel 14 t/m 31 over om elk button te stijlen.

Code File Edit Selection View Go Run Terminal Window Help

main.scss — Let's Sass by Adi Soerjaman

EXPLORER

> OPEN EDITO... 1 UNSAVED

< LET'S SASS BY ADI SOERJAMAN

1 main.scss X 2 \_home.scss 3 \_buttons.scss 4 bg-1.jpg 5 ...

sass > sass > main.scss

```
1 @import "./utilities/fonts";
2 @import "./utilities/variables";
3 @import "./layout/header";
4 @import "./pages/home";
5 @import "./components/buttons";
```

1 img  
1 bg-1.jpg

1 sass

1 components  
1 \_buttons.scss

1 layout  
1 \_header.scss

1 pages  
1 \_home.scss

1 utilities  
1 \_fonts.scss  
1 \_variables.scss  
1 main.css  
1 main.css.map  
1 main.scss

> OUTLINE

> NPM SCRIPTS

Watching... Ln 5, Col 32 Spaces: 4 UTF-8 LF SCSS Port : 5500 Prettier

2020 Home Over Ons Projecten Contact Zoeken... Zoek

Let's Sass by Adi Soerjaman 127.0.0.1:5500/index.html

Apps ADISIGN Rotoskoop 2013 Noord-Koreaanse... Where Profession... Web Development... Andere bookmarks

2020 WELKOM OP DE WEBSITE VAN AMO19!

Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Cursus turpis massa tincidunt dui ut ornare lectus sit amet.

OVER ONS PORTFOLIO

Vergeet niet om ook nog de \_buttons-file te importeren in de main.scss-file.

Code File Edit Selection View Go Run Terminal Window Help

\_home.scss — Let's Sass by Adi Soerjaman

EXPLORER

> OPEN EDITORS

LET'S SASS BY ADI SOERJ...

sass > pages > \_home.scss > .btn-menu

```
35   font-size: 64px;
36   font-weight: 500;
37   color: $light-color;
38   text-transform: uppercase;
39 }
40 .h-primary {
41   color: $primary-color;
42 }
43 p {
44   font-family: $font-text;
45   font-size: 24px;
46   color: $light-color;
47 }
48 }
49
50 .btn-menu {
51   width: 545px;
52   display: flex;
53   justify-content: space-between;
54   z-index: 2;
55 }
```

2020 Home Over Ons Projecten Contact Zoeken... Zoek

127.0.0.1:5500/index.html

2020 Home Over Ons Projecten Contact Zoeken... Zoek

WELKOM OP DE WEBSITE VAN AMO19!

LOREM IPSUM DOLOR SIT AMET, CONSECTETUR ADIPISCING ELIT, SED DO EIUSMOD TEMPOR INCIDUNT UT LABORE ET dolore magna aliqua. Cursus turpis massa tincidunt dui ut ornare lectus sit amet.

OVER ONS PORTFOLIO

Regel 50 t/m 55 zorgen, met behulp van Flexbox, ervoor dat de knoppen naast elkaar worden gezet.

Code File Edit Selection View Go Run Terminal Window Help

index.html — Let's Sass by Adi Soerjaman

EXPLORER OPEN EDITOR 1 UNSAVED index.html main.scss \_home.scss \_buttons.scss bg-1.jpg \_variables.scss ...

LET'S SASS BY ADI SOERJMAN 1

img bg-1.jpg pexels-photo-2804282.jpeg pexels-photo-3126428.jpeg

sass components \_buttons.scss

layout \_header.scss

pages \_home.scss

utilities \_fonts.scss \_variables.scss

main.css main.css.map main.scss

index.html

OUTLINE NPM SCRIPTS

Watching... Ln 52, Col 39 Spaces: 4 UTF-8 LF HTML Port: 5500 Prettier

index.html > html > body > main > div.row-85 > div.student-menu

```
<a href="" class="btn-outline">Portfolio</a>
</div>
</div>
</div>
<div class="row-85">
  <h2> De Studenten</h2>
  <div class="student-menu">
    <div class="student">
      
      <h3>Voornaam</h3>
    </div>
    <div class="student">
      
      <h3>Voornaam</h3>
    </div>
    <div class="student">
      
      <h3>Voornaam</h3>
    </div>
    <div class="student">
      
      <h3>Voornaam</h3>
    </div>
    <a href="" class="btn-primary" id="btn-student">Alle Studenten</a>
  </div>
</main>
```

0:1:5500/index.html

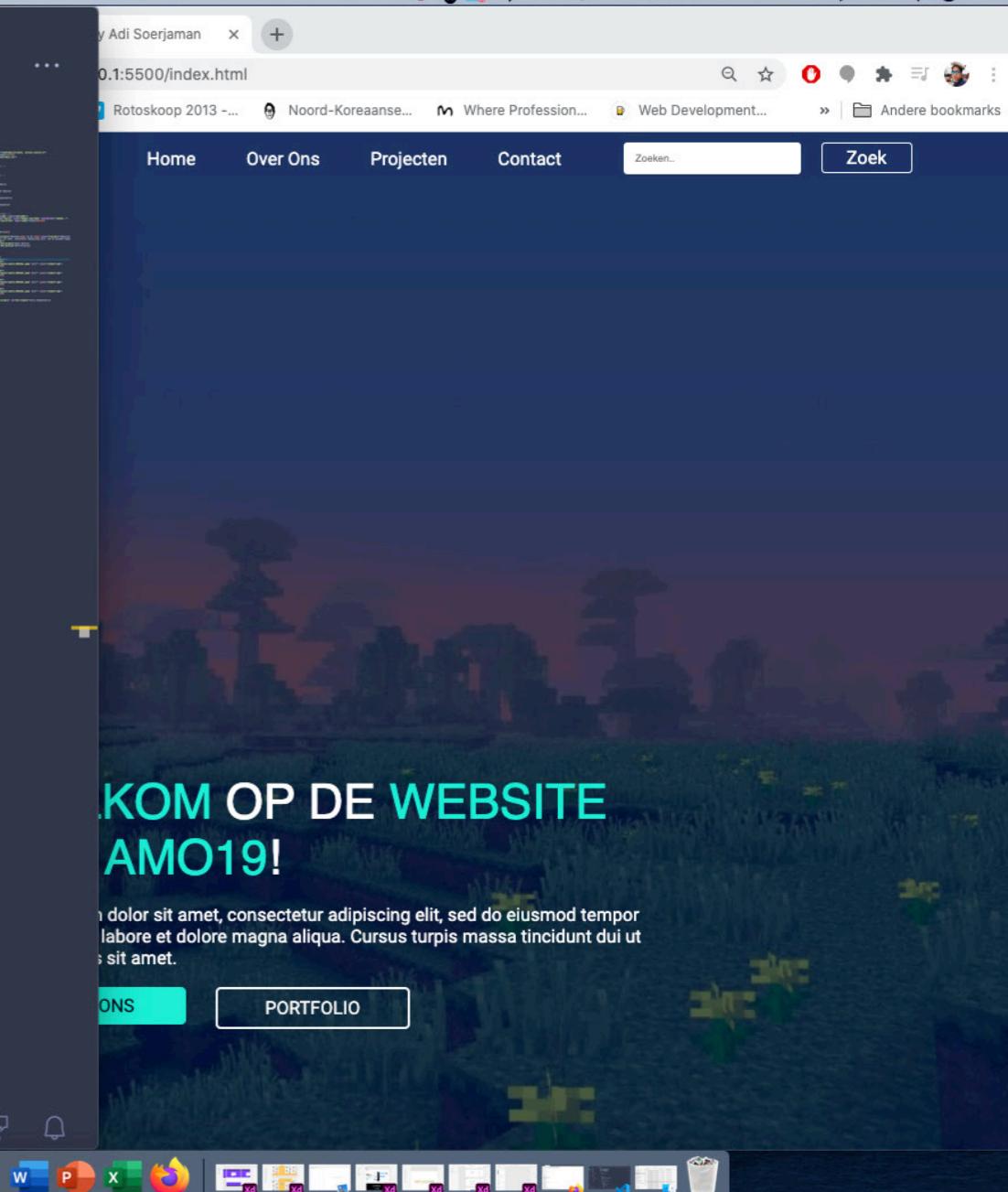
Rotoskoop 2013 ... Noord-Koreaanse... Where Profession... Web Development... Andere bookmarks

Home Over Ons Projecten Contact Zoeken... Zoek

KOM OP DE WEBSITE AMO19!

dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor  
labore et dolore magna aliqua. Cursus turpis massa tincidunt dui ut  
sit amet.

ONS PORTFOLIO



Vanaf nu is het gewoon de code verder overnemen. In principe is de class 'student' ook een component. Zoals je kunt zien wordt die in totaal vier keer gebruikt. Row-85 zou ook een lagere vh-waarde kunnen krijgen, zoals 60vh. Ik zou zeggen: experimenteer er mee!

Code File Edit Selection View Go Run Terminal Window Help

\_home.scss — Let's Sass by Adi Soerjaman

EXPLORER index.html main.scss \_home.scss buttons.scss

> OPEN EDITORS

< LET'S SASS BY ADI SOERJ...  
  |  
  |> img  
  |  |> bg-1.jpg  
  |  |> pexels-photo-28...  
  |  |> pexels-photo-31...  
  |> sass  
  |  |> components  
  |  |  |> \_buttons.scss  
  |> layout  
  |  |> \_header.scss  
  |> pages  
  |  |> \_home.scss  
  |> utilities  
  |  |> \_fonts.scss  
  |  |> \_variables.scss  
  |> main.css  
> OUTLINE  
> NPM SCRIPTS

Watching... Ln 90, Col 28 Spaces: 4 UTF-8 SCSS Port : 5500 Prettier

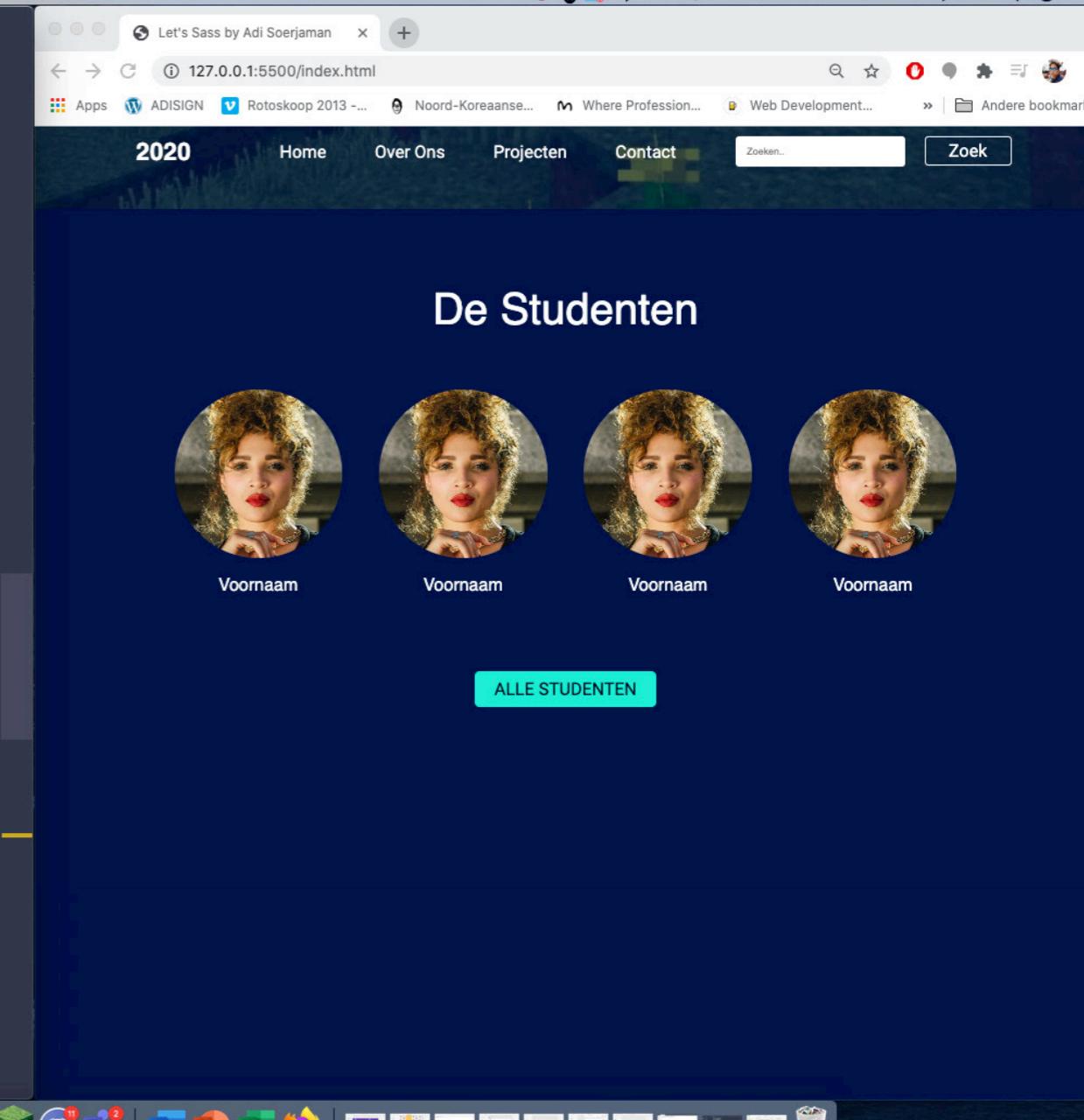
```
.row-85 {  
  height: 87.5vh;  
  display: flex;  
  flex-direction: column;  
  align-items: center;  
  padding-top: 4vh;  
  h2 {  
    font-family: $font-stack;  
    font-size: 60px;  
    font-weight: 500;  
    color: $light-color;  
    padding-bottom: 2vh;  
  }  
  .student-menu {  
    display: flex;  
    justify-content: space-between;  
    width: 1080px;  
  }  
  .student {  
    display: flex;
```

2020 Home Over Ons Projecten Contact Zoeken... Zoek

De Studenten

Voornaam Voornaam Voornaam Voornaam

ALLE STUDENTEN



Ln 90, Col 28 Spaces: 4 UTF-8 SCSS Port : 5500 Prettier



Voor de stijling plaatsen we in \_home.scss de bovenstaande code en de code op de volgende sheet.

Code File Edit Selection View Go Run Terminal Window Help

\_home.scss — Let's Sass by Adi Soerjaman

EXPLORER index.html main.scss \_home.scss \_buttons.scss

> OPEN EDITORS

LET'S SASS BY ADI SOERJ...  
img  
bg-1.jpg  
pexels-photo-28...  
pexels-photo-31...  
sass  
components  
\_buttons.scss  
layout  
\_header.scss  
pages  
\_home.scss  
utilities  
\_fonts.scss  
\_variables.scss  
main.css  
> OUTLINE  
> NPM SCRIPTS

sass > pages > \_home.scss > .row-85 > h3

```
74    }
75    .student {
76      display: flex;
77      flex-direction: column;
78      align-items: center;
79    }
80    .student-img {
81      width: 232px;
82      height: 232px;
83      border-radius: 100%;
84      object-fit: cover;
85    }
86    h3 {
87      font-family: $font-stack;
88      font-size: 24px;
89      font-weight: 500;
90      color: $light-color;
91    }
92    #btn-student {
93      margin-top: 6vh;
94    }
95 }
```

Watching... Ln 90, Col 28 Spaces: 4 UTF-8 SCSS Port : 5500 Prettier

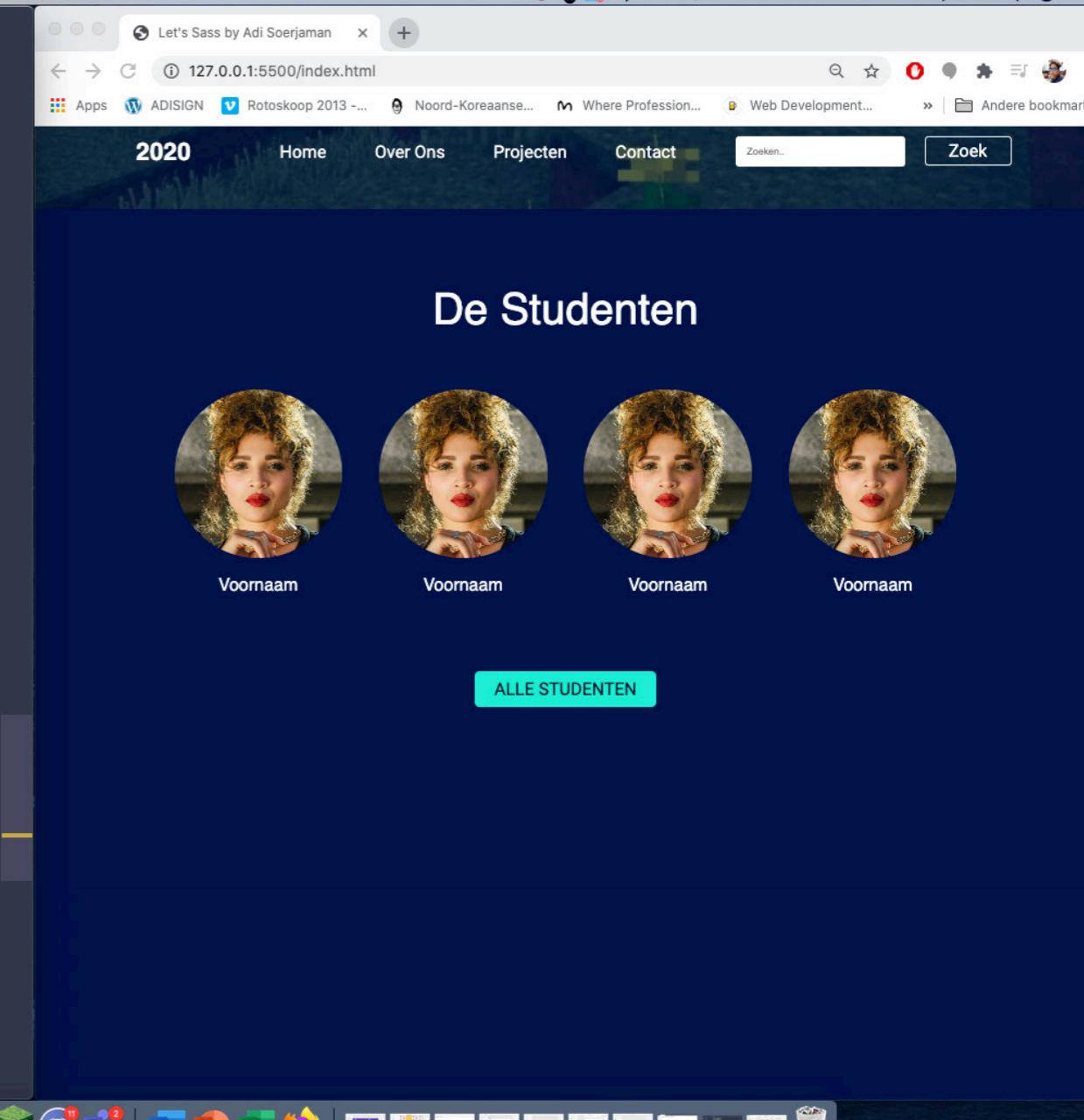
Let's Sass by Adi Soerjaman 127.0.0.1:5500/index.html

2020 Home Over Ons Projecten Contact Zoeken... Zoek

De Studenten

Voornaam Voornaam Voornaam Voornaam

ALLE STUDENTEN



100% Wo 01:25 Adi Soerjaman

Code File Edit Selection View Go Run Terminal Window Help

\_variables.scss — Let's Sass by Adi Soerjaman

EXPLORER jpg \_variables.scss \_header.scss \_fonts.scss ...

> OPEN EDITORS

LET'S SASS BY ADI SOERJ... sass > utilities > \_variables.scss > [?] \$font-stack

1 // Adding the Variables  
2 \$font-stack: 'Barlow Condensed', sans-serif;  
3 \$font-text: 'Roboto', sans-serif;  
4 \$primary-color: #22F0D7;  
5 \$bg-color: #011A4D;  
6 \$dark-color: #001021;  
7 \$light-color: #FFFFFF;

sass components layout pages utilities \_variables.scss main.css main.css.map main.scss index.html

> OUTLINE  
> NPM SCRIPTS

Watching... Ln 2, Col 22 Spaces: 4 UTF-8 LF SCSS Port : 5500 Prettier ⚡ 0 ⚡ 0

2020 Home Over Ons Projecten Contact Zoeken... Zoek

WELKOM OP DE WEBSITE VAN AMO19!

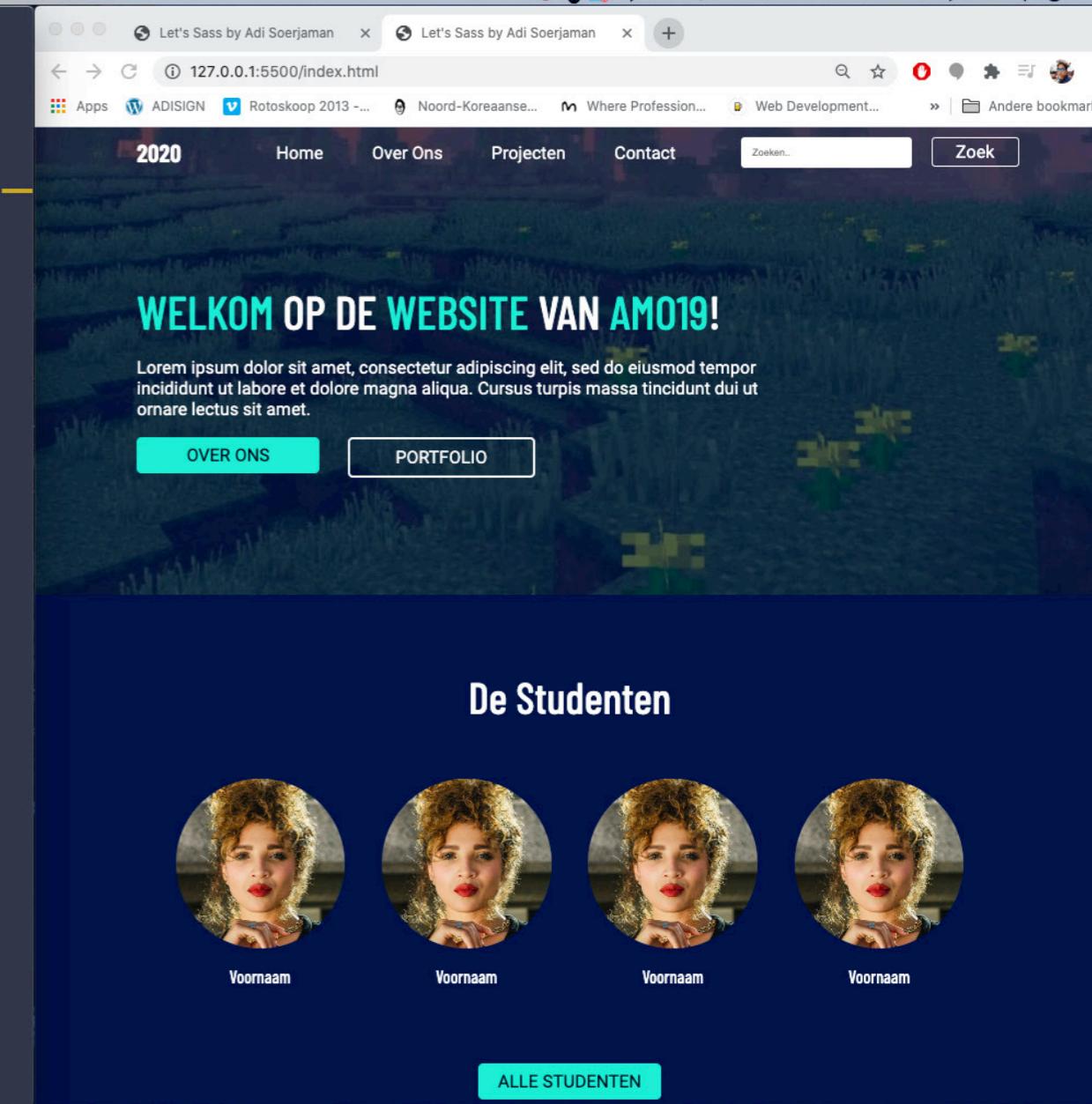
Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Cursus turpis massa tincidunt dui ut ornare lectus sit amet.

OVER ONS PORTFOLIO

De Studenten

Voornaam Voornaam Voornaam Voornaam

ALLE STUDENTEN



Ik kwam er achter dat ik de font niet helemaal goed er in heb gezet. De verandering zit in regel 2.