

Project 4: Web Style Guide


Sections of this Guide:

- **How to approach this project** includes detailed guidance to help you think about how to organize your code, project and files.
- **How to succeed at this project** A final checklist to go over before submitting your project.

How to Approach this Project

For this fourth project, you will use the starter CSS found in `resources/css/styles.css` and convert it to Sass!

Getting started

- ☐ **Download the project starter files.**
 - ☐ *Related resources:* [Web Style Guide Project Instructions](#)
 - ☐ Open the `resources/index.html` file in your browser of choice. This will serve as the *mockup* for the project.
- ☐ **Set up a new GitHub repo and push the project files to it.**
 - ☐ *Related video:* [Share Your Projects with GitHub](#)
 - ☐ *Related video:* [Introduction to Git](#)
- ☐ **Install Dart Sass if you haven't done so already.**
 - ☐ *Related video:* [Process Sass with Scout-App](#) 
 - ☐ *Related resources:* Install Dart Sass CLI: [Mac](#) | [Windows](#)
- ☐ **Create your scss directory and styles.scss file.**
 - ☐ *Related video:* [Separate Your Stylesheet Into Partials](#)
 - ☐ Create an `scss` folder inside of your project's root folder. All of your scss partial files, including sub-folders to organize them will go in here.
 - ☐ Create a `styles.scss` file inside of your newly created `scss` folder.

Setting up your partials

☐ **Create your partial sub-folders inside the scss directory.**

- ☐ Related video: [Breaking the Stylesheet Into Partial](#)s
- ☐ Create a `utilities` folder inside of your `scss` folder.
- ☐ Create a `base` folder inside of your `scss` folder.
- ☐ Create a `components` folder inside of your `scss` folder.

☐ **Create your partial files inside the partial sub-folders.**

- ☐ Related video: [Breaking the Stylesheet Into Partial](#)s

The `utilities` folder:

- ☐ Create an `_index.scss` file inside of your `utilities` folder.
- ☐ Create a `_variables.scss` file inside of your `utilities` folder.
- ☐ Create a `_mixins.scss` file inside of your `utilities` folder.

The `base` folder:

- ☐ Create an `_index.scss` file inside of your `base` folder.
- ☐ Copy the `normalize.css` file from the `resources/css/` folder and paste it into the `base` folder, then rename it to `_normalize.scss`.
- ☐ Create a `_typography.scss` file inside of your `base` folder.

The `components` folder:

- ☐ Create an `_index.scss` file inside of your `components` folder.
- ☐ Create a `_grid.scss` file inside of your `components` folder.
- ☐ Create a `_navigation.scss` file inside of your `components` folder.
- ☐ Create a `_buttons.scss` file inside of your `components` folder.
- ☐ Create a `_forms.scss` file inside of your `components` folder.
- ☐ Create a `_images.scss` file inside of your `components` folder.
- ☐ Create a `_media-queries.scss` file inside of your `components` folder.

Import your partial files

☐ **Import the individual files in each partial folder via the `_index.scss` files.**

- ☐ Related video: [Finishing and Importing Our Partial](#)s

The `utilities` folder `_index.scss`:

- ☐ Open the `_index.scss` file inside of your `utilities` folder.
- ☐ Copy and paste the code below into the `_index.scss` file:

```
/* ===== */
/*      Utilities Imports      */
/* ===== */

@import 'variables';
@import 'mixins';
```

The **base** folder **_index.scss**:

- ☐ Open the **_index.scss** file inside of your **base** folder.
- ☐ Copy and paste the code below into the **_index.scss** file:

```
/* ===== */
/*      Base Imports      */
/* ===== */

@import 'normalize';
@import 'typography';
```

The **components** folder **_index.scss**:

- ☐ Open the **_index.scss** file inside of your **components** folder.
- ☐ Copy and paste the code below into the **_index.scss** file:

```
/* ===== */
/*      Components Imports      */
/* ===== */

@import 'buttons';
@import 'forms';
@import 'navigation';
@import 'images';
@import 'grid';
@import 'media-queries';
```

Import your partials sub-folders index files

The **scss** folder **styles.scss**:

- ☐ Open the **styles.scss** file inside of your **scss** folder.
- ☐ Copy and paste the code below into the **styles.scss** file:

```
/* ===== */
/*      Sub-Folder Imports      */
/* ===== */

@import 'utilities/index';
@import 'base/index';
```

```
@import 'components/index';
```

Move the starter css to your scss partials

- ❑ Open the **resources/css/styles.css** file.
 - ❑ Make note of the different code blocks separated by **code comment** headings, for example:

```
/* ===== */
/*      Base styles      */
/* ===== */

/* ===== */
/*      Typography      */
/* ===== */

/* ===== */
/*      Grid System      */
/* ===== */

/* ===== */
/*      Navigation      */
/* ===== */
```

Move the starter css to your scss partials (cont.)

- ❑ Copy the CSS code from the **resources/css/styles.css** file into your scss partials.
 - ❑ Copy the code that is under **both** the **Base styles** and **Typography** code comments to your **_typography.scss** partial file.
 - ❑ Copy the code that is under the **Grid System** code comment to your **_grid.scss** partial file.
 - ❑ Copy the code that is under the **Navigation** code comment to your **_navigation.scss** partial file.
 - ❑ Copy the code that is under the **Buttons** code comment to your **_buttons.scss** partial file.
 - ❑ Copy the code that is under the **Forms** code comment to your **_forms.scss** partial file.
 - ❑ Copy the code that is under the **Images** code comment to your **_images.scss** partial file.
 - ❑ Copy the code that is under the **Media Queries** code comment to your **_media-queries.scss** partial file.

Start converting the starter CSS to Sass

☐ Start creating your Sass variables.

- ☐ Open your `_variables.scss` partial file.
 - ☐ Create at least 5 color variables.
 - ☐ Create at least 1 variable for the media query breakpoint.
 - ☐ Go through each of your scss partial files and replace the hard coded css values with your variables.
- *Related video:* [Declaring and Using Variables](#)
 - *Related video:* [Naming Variables](#)
 - *Related video:* [Color Variables](#)
 - *Related video:* [Font and Asset Variables](#)
 - *Related video:* [Media Queries and Breakpoint Variables](#)

How to succeed at this project

☐ Here are some things to double check before turning in your project

- ☐ Open the `resources/index.html` file in your browser of choice. Ensure your completed project has the same look and feel as the site mockup.
- ☐ Double check the "How you'll be graded" requirements.
 - *Related resources:* [Web Style Guide](#) [Project Instructions](#)
- ☐ Validate your files and push your project to your GitHub.com repository.
- ☐ Request an informal review in Slack.
- ☐ Submit your project.