

rveitch / sass-7-1-pattern.scss



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Sass 7-1 Pattern

sass-7-1-pattern.scss

```
1  sass/
2  |
3  |- base/
4  |   |- _reset.scss      # Reset/normalize
5  |   |- _typography.scss # Typography rules
6  |   ...                 # Etc...
7  |
8  |- components/
9  |   |- _buttons.scss    # Buttons
10 |   |- _carousel.scss   # Carousel
11 |   |- _cover.scss      # Cover
12 |   |- _dropdown.scss   # Dropdown
13 |   ...                 # Etc...
14 |
15 |- layout/
16 |   |- _navigation.scss # Navigation
17 |   |- _grid.scss       # Grid system
18 |   |- _header.scss     # Header
19 |   |- _footer.scss     # Footer
20 |   |- _sidebar.scss    # Sidebar
21 |   |- _forms.scss      # Forms
22 |   ...                 # Etc...
23 |
24 |- pages/
25 |   |- _home.scss       # Home specific styles
26 |   |- _contact.scss    # Contact specific styles
27 |   ...                 # Etc...
28 |
29 |- themes/
30 |   |- _theme.scss      # Default theme
31 |   |- _admin.scss      # Admin theme
32 |   ...                 # Etc...
33 |
34 |- utils/
35 |   |- _variables.scss  # Sass Variables
36 |   |- _functions.scss  # Sass Functions
37 |   |- _mixins.scss     # Sass Mixins
38 |   |- _helpers.scss    # Class & placeholders helpers
39 |
40 |- vendors/
```

```
41 |   |- _bootstrap.scss # Bootstrap
42 |   |- _jquery-ui.scss # jQuery UI
43 |   ...                # Etc...
44 |
45 |
46 |- main.scss          # Main Sass file
```

rveitch commented on Dec 17, 2015

Author

Source: <http://sass-guidelin.es/#the-7-1-pattern>

devabdulbarik commented on Nov 29, 2018

Thanks to Almighty God!
Where the Abstracts Folder

mikesparr commented on Dec 11, 2018

+1 [@devabdulbarik](#) ;-)

kayoderock commented on Jan 9, 2019 • edited ▼

[@devabdulbarik](#)

The utils here represents the abstract. Both practically have the same expected content.

grepsedawk commented on May 15, 2019

I'm having a hard time understanding "themes". Does anybody have further reading?

ghost commented on May 24, 2019

[@grepsedawk](#)

themes folder is used whenever a site has multiple themes. For instance, the example project above includes both admin and default themes. We can, therefore, assume this example site is styled entirely differently for logged-in admins. Perhaps to better present and accommodate the additional features an Admin has. Some websites also offer a "night mode", where the background of the site is darker with lighter-colored text for easier reading in low-light environments. An option like this would be represented in its own theme file too.

Source: <https://www.learnhowtoprogram.com/user-interfaces/building-layouts-preprocessors/7-1-sass-architecture>

grepsedawk commented on May 24, 2019

How would you swap between 2 themes @DenisBun?

christophervoigt commented on Jun 16, 2019

@grepsedawk

I would recommend you using css variables scoped in a class at the body tag.

You could use any kind of switch (e.g. a checkbox) with an event handler that toggles this theme class.

grepsedawk commented on Jun 16, 2019

Thanks for the insight @chlorophyllkid. I was thinking something similar, I just didn't know if there was a "magic" way to swap.

FrancoisPdev commented on Aug 29, 2019

Thanks you my friend.

abhagsain commented on Sep 28, 2019 • edited ▼

Create a file called script.sh in your ./sass folder and paste this code.

```
mkdir abstract pages layout base components
cd abstract
touch _function.scss _mixins.scss _variables.scss
cd ..
cd base
touch _animations.scss _typography.scss _utilities.scss _base.scss
# This is a comment
# Use below imports in your main inde.scss file
# @import "../abstract/variables";
# @import "../layout/header";
# @import "../base/animations";
# @import "../base/typography";
# @import "../components/button";
```

Navigate to ./sass folder and double click on this file (script.sh)

It will automatically create some of the folder and files for you. 😊

I'll update this script as I create more files for myself 🤗

samayo commented on Nov 25, 2019

What is the difference between layout/ and component/ in the context of react/vue applications?
A navigation file is both a component and layout at the same time.

Is there any distinction?

grepsedawk commented on Nov 25, 2019

A component would be something like a "button" where layout would be like "the CSS grid that lives inside "

cristinaguzman commented on Apr 5, 2020

great :)

carolyn01 commented on Apr 14, 2020

This is great! Do you plan on updating it to follow the latest Sass Modules release? Instead of @import using @use and @forward.

HowdyMcGee commented on Aug 16, 2020 • edited ▼

I like this idea, but the Sass docs suggest [moving away from @import and toward @use](#) . Finding practical organizational guidelines using @use and @forward seems complicated. A good read nonetheless.

samayo commented on Aug 22, 2020

I like the idea of this but the Sass docs suggest [moving away from @import and toward @use](#) . Find practical organizational guidelines using @use and @forward seems to be difficult. Good read none-the-less.

fyi: nonetheless is one word

jochri3 commented on Jan 5, 2021

Source: <http://sass-guidelin.es/#the-7-1-pattern>

I think that utils is the equivalent abstract

enginW commented on Jan 22, 2021

thank you, this is great i will use

pedrocardoz0 commented on Feb 17, 2021

Thanks, that's perfect!

Meilline commented on Apr 29, 2021

Thanks a lot !

saini-g commented on Jun 1, 2021

 [My SCSS 7-1 architecture](#)

Here's the setup that I'm currently using for a project. Ignore the `custom-partials` folder, it is not part of the 7-1, I use it for writing temporary stuff which in most cases will eventually be moved to one of the other folders

This is implemented using the new `@forward` and `@use` module system, each folder contains an `_index.scss` file used to forward the refs to individual files in that folder. Below is the `_index.scss` file for the components folder, the other folders' index files are similar

```
@forward './checkbox-toggle';  
@forward './flex-text';
```

CC: [@carolyn01](#) , [@HowdyMcGee](#) hope this helps

stebenwolf commented on Sep 8, 2021

Create a file called `script.sh` in your `./sass` folder and paste this code.

```
mkdir abstract pages layout base components  
cd abstract  
touch _function.scss _mixins.scss _variables.scss  
cd ..  
cd base  
touch _animations.scss _typography.scss _utilities.scss _base.scss  
# This is a comment  
# Use below imports in your main inde.scss file  
# @import './abstract/variables';  
# @import './layout/header';  
# @import './base/animations';  
# @import './base/typography';  
# @import './components/button';
```

Navigate to `./sass` folder and double click on this file (`script.sh`)

It will automatically create some of the folder and files for you. 😊

I'll update this script as I create more files for myself 😊

Thanks for the code [@abhagsain](#)

For those interested I made a similar batch version

1. Open your favourite text editor
2. Paste the code below
3. Save it as .bat
4. Copy/paste it and launch it wherever you need to

```
@ECHO OFF
:: This batch file creates all necessary files for SASS
:: Inspired by @abhagsain https://gist.github.com/abhagsain
:: https://gist.github.com/rveitch/84cea9650092119527bc#gistcomment-3040049

TITLE SASS Automatic Setup

ECHO =====
ECHO SASS AUTOMATIC SETUP
ECHO =====
ECHO/
ECHO This program automatically creates all the files and folders you need for your
SASS project.
ECHO/
PAUSE
ECHO Please wait... Creating files and folders

ECHO/
:: SASS Folder
ECHO Creating SASS folder...
if exist sass\NUL echo - SASS folder already exists
if not exist sass\NUL (
    mkdir sass
    echo + SASS folder creation: done.
)

ECHO/
ECHO Moving to SASS folder
cd sass
ECHO Creating SASS Subfolders...

ECHO/
:: Abstract folder
if exist abstract echo - abstract folder already exists
if not exist abstract (
    mkdir abstract
    echo + Abstract folder creation: Done.
)
:: Pages folder
if exist pages echo - pages folder already exists
if not exist pages (
    mkdir pages
    echo + Pages folder creation: Done.
)
:: Layout folder
if exist layout echo - layout folder already exists
if not exist layout (
    mkdir layout
    echo + Layout folder creation: Done.
```

```
)  
:: Base folder  
if exist base echo - base folder already exists  
if not exist base (  
    mkdir base  
    echo + Base folder creation: Done.  
)  
:: Components folder  
if exist components echo - components folder already exists  
if not exist components (  
    mkdir components  
    echo + Components folder creation: Done.  
)  
  
ECHO/  
ECHO Moving to Abstract...  
cd abstract  
ECHO\  
ECHO Creating Abstract files  
ECHO -----  
:: _function.scss  
if exist _function.scss echo - _function.scss already exists  
if not exist _function.scss (  
    type nul >_function.scss  
    ECHO + _function.scss created  
)  
:: _mixins.scss  
if exist _mixins.scss echo - _mixins.scss already exists  
if not exist _mixins.scss (  
    type nul >_mixins.scss  
    ECHO + _mixins.scss created  
)  
:: _variables.scss  
if exist _variables.scss echo - _variables.scss already exists  
if not exist _variables.scss (  
    type nul >_variables.scss  
    ECHO + _variables.scss created  
)  
ECHO -----  
  
ECHO/  
ECHO Moving to Base  
cd ..  
cd base  
  
ECHO Creating base files  
ECHO -----  
if exist _animations.scss echo - _animations.scss already exists  
if not exist _animations.scss (  
    type nul >_animations.scss  
    ECHO + _animations.scss created  
)  
if exist _typography.scss echo - _typography.scss already exists  
if not exist _typography.scss (  
    type nul >_typography.scss  
    ECHO + _typography.scss created  
)  
if exist _utilities.scss echo - _utilities.scss already exists  
if not exist _utilities.scss (  
    type nul >_utilities.scss
```

```
ECHO + _utilities.scss created
)
if exist _base.scss echo - _base.scss already exists
if not exist _base.scss (
    type nul >_base.scss
    ECHO + _base.scss created
)
ECHO -----

ECHO/
ECHO You're all set up! Enjoy
ECHO/
ECHO Psst... Before you go :
ECHO Use below imports in your main inde.scss file :
ECHO/
ECHO     @import "../abstract/variables";
ECHO     @import "../layout/header";
ECHO     @import "../base/animations";
ECHO     @import "../base/typography";
ECHO     @import "../components/button";
PAUSE
```

Tomerozfresko commented on May 13, 2022

@saini-g Thank you very much.

However, are you familiar with variables using this format?

Some variables are globally usable and some are not, even if declared in same *_scss file.

lucasfernandezdev commented on May 27, 2022

Hi, thanks for this. But I have a problem. I use bootstrap with npm, how should I setup this? I'm a bit lost :((New)

tjcchen commented on Sep 18, 2022

Thanks a lot! Very helpful.

Tsu3xyz commented on Dec 15, 2022

Love it ::D

Mobin-Karam commented on Jan 14, 2024

I Love it, Thanks man. :)

Mobin-Karam commented on Jan 14, 2024

Create a file called script.sh in your ./sass folder and paste this code.

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# @import "../components/button";
```

Navigate to ./sass folder and double click on this file (script.sh) It will automatically create some of the folder and files for you. 😊 I'll update this script as I create more files for myself



man thank a lot for your help :)

DevRufet commented on Mar 19, 2024

thanks,very helpful