

# Create functional folder and file

To create a new theme, you should prepare these files and folders with structure like this:

- 1 Create a folder contains theme `<vendor_theme>`
- 2 Create a sample folder contains files and functional folders `<theme>`
- 3 Create file theme `<theme.xml>`
- 4 Create registration file theme `<registration.php>`
- 5 Create composer for theme `<composer.json>`
- 6 Create `<media>` folder
- 7 Create `<web>` folder
- 8 Create a folder to connect layout theme `<Magento_Theme>`

## 1 – Create a folder contains theme `<vendor_theme>`

*Example: create a folder with name "Magestore"*

## 2 – Create a sample folder contains files and functional folders `<theme>`

=> create new folder inside folder "Magestore" and named it "Sample"

## 3 – Create file theme `<theme.xml>`

*Example: You can check out and copy the Content in file "theme.xml" with the code below:*

```
<!-- /** * Copyright © 2016 Magento. All rights reserved. * See COPYING.txt for license details. */ --> <theme
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="urn:magento:framework:Config/etc/theme.xsd"> <title>Magestore Sample Theme</title>
<parent>Magento/luma</parent> <media> <preview_image>media/preview.jpg</preview_image> </media> </theme>
```

```
1 <!--
2 /**
3 * Copyright © 2016 Magento. All rights reserved.
4 * See COPYING.txt for license details.
5 */
6 -->
7
8 <theme xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
9 xsi:noNamespaceSchemaLocation="urn:magento:framework:Config/etc/theme.xsd">
10 <title>Magestore Sample Theme</title>
11 <parent>Magento/luma</parent>
12 <media>
13 <preview_image>media/preview.jpg</preview_image>
14 </media>
15 </theme>
```

## 4 – Create registration file theme <registration.php>

*Example:* You can check out and copy the Content in file “**registration.php**” with the code below:

```
<?php /** * Copyright © 2016 Magento. All rights reserved. * See COPYING.txt for license details. */\Magento\Framework\
Component\ComponentRegistrar::register( \Magento\Framework\Component\ComponentRegistrar::THEME,
'frontend/Magestore/sample', __DIR__ );
```

```
1 <?php
2 /**
3  * Copyright © 2016 Magento. All rights reserved.
4  * See COPYING.txt for license details.
5  */
6
7
8 \Magento\Framework\Component\ComponentRegistrar::register(
9     \Magento\Framework\Component\ComponentRegistrar::THEME,
10     'frontend/Magestore/sample',
11     __DIR__
    );
```

## 5 – Create composer for theme <composer.json>

*Example:* You can check the code below

```
{ "name": "magento/sample-module-theme", "description": "N/A", "require": { "php": "~5.5.0|~5.6.0|~7.0.0", "magento/theme-
frontend-luma": "~100.0", "magento/framework": "~100.0" }, "type": "magento2-theme", "version": "1.0.0", "license": [ "OSL-3.0",
"AFL-3.0" ], "autoload": { "files": [ "registration.php" ] } }
```

```
1 {
2     "name": "magento/sample-module-theme",
3     "description": "N/A",
4     "require": {
5         "php": "~5.5.0|~5.6.0|~7.0.0",
6         "magento/theme-frontend-luma": "~100.0",
7         "magento/framework": "~100.0"
8     },
9     "type": "magento2-theme",
10    "version": "1.0.0",
11    "license": [
12        "OSL-3.0",
13        "AFL-3.0"
14    ],
15    "autoload": {
16        "files": [ "registration.php" ]
17    }
18 }
```

## 6 – Create <media> folder

create folder with name “media” and place inside it an image “preview.jpg”

## 7 – Create <web> folder

- Create “css” folder inside
- Create an image folder to place images
  - In this folder we place an image “logo.png” inside => it’s the Logo of theme
- Create “js” folder that contains all js files

## 8 – Create a folder to connect layout theme <Magento\_Theme>

- Create folder <layout>
- Create file layout <default.xml>

You can check and copy the code below for the content of file default.xml

```
<?xml version="1.0"?> <!-- /** * Copyright © 2016 Magento. All rights reserved. * See COPYING.txt for license details. */ -->
<page xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="urn:magento:framework:View/Layout/etc/page_configuration.xsd"> <body> <referenceBlock
name="logo"> <arguments> <argument name="logo_file" xsi:type="string">images/logo.png</argument> </arguments>
</referenceBlock> <remove name="report.bugs"/> </body> </page>
```

```
1 <?xml version="1.0"?>
2 <!--
3 /**
4 * Copyright © 2016 Magento. All rights reserved.
5 * See COPYING.txt for license details.
6 */
7 -->
8
9 <page xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
10 xsi:noNamespaceSchemaLocation="urn:magento:framework:View/Layout/etc/
11 page_configuration.xsd">
12 <body>
13 <referenceBlock name="logo">
14 <arguments>
15 <argument name="logo_file" xsi:type="string">images/logo.png</argument>
16 </arguments>
17 </referenceBlock>
18 <remove name="report.bugs"/>
19 </body>
20 </page>
```

- The structure for all folders and files in theme

### 1, Magestore Folder

#### 1.1 Sample folder

##### 1.1.1 Magento\_Theme folder

– *Layout folder*

+ *File default.xml*

#### 1.1.2 Media folder

– *Image preview.jpg*

#### 1.1.3 Web folder

– *css folder*

– *js folder*

– *images folder*

+ Image logo.png

#### 1.1.4 File composer.json

#### 1.1.5 File registration.php

#### 1.1.6 File theme.xml

## 2.Theme settings:

### 1 – Step 1 :

- You need to access to Administration Menu follow the path:
- **Content** => **Themes** => check if your theme has appeared in the Design panel
- Please make sure that it's definitely your theme was updated by the system and displayed in design panel.

DASHBOARD

SALES

PRODUCTS

CUSTOMERS

MARKETING

CONTENT

REPORTS

System Messages: 1

Themes

Search

Reset Filter

3 records found

20

per page

<

1

of 1

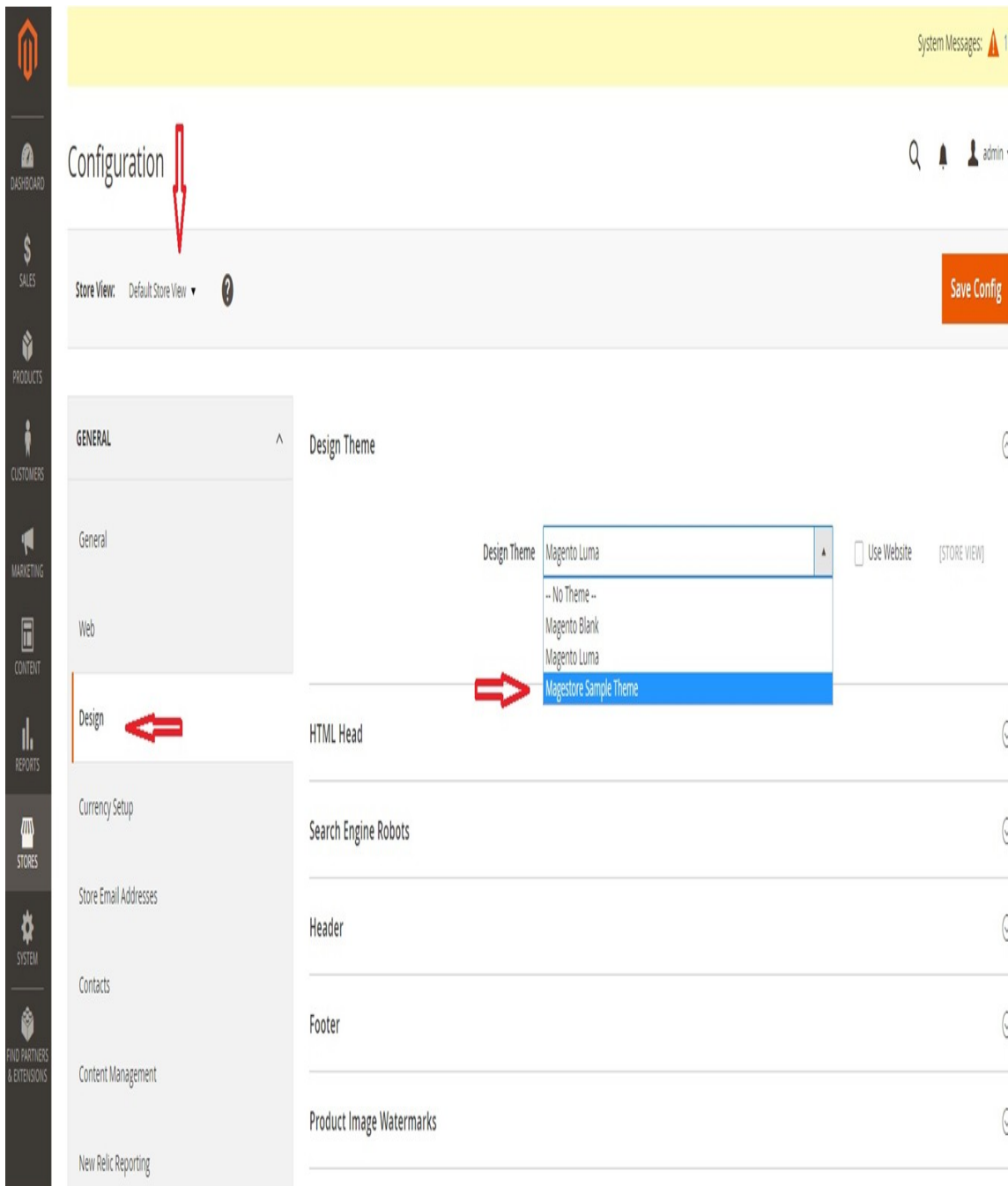
>

| Theme Title            | Parent Theme  | Theme Path       |
|------------------------|---------------|------------------|
|                        |               |                  |
| Magento Blank          |               | Magento/blank    |
| Magento Luma           | Magento Blank | Magento/luma     |
| Magestore Sample Theme | Magento Luma  | Magestore/sample |

## 2 – Step 2 :

Access to Administration Menu follow the path:

- **Store => Configuration => Design** => Choose your own Config mode for your store. In this tutorial, I choose **“store default view”**
- After that, go to Content tab design and choose your theme
- Save config



### 3 – Step 3:

- You need to refresh your cache (clear cache)
- Back out and **press Ctrl + F5** to reload static files on your **frontend home page** and check the changes on **theme**

### 4 – Step 4 :

If necessary, when you see any picture that doesn't display on the home page:

– Deploy again the static file by the command:

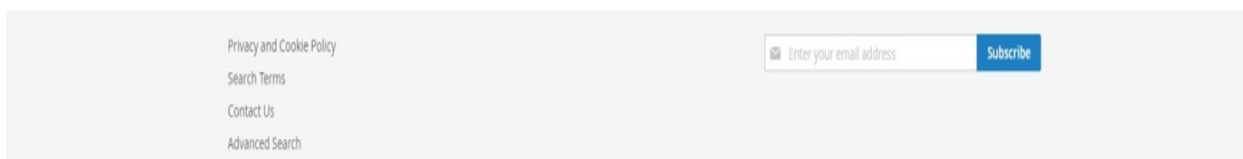
**“php bin/magento setup:static-content:deploy”**

### 3. Check your Magento 2 theme:

- Go to **Home page, Products list, Detail product** to check the display of the theme

=> Test with action Add to cart and Check out

*Example: Home Page*



- Let me show you with editing some parts of template detail product:

A **Vendor => Magento => module-catalog => view => frontend => Copy all folders and file**

B Next, create a folder **Magento\_Catalog** inside your theme and paste inside it

C Open file **Magento\_Catalog => templates => product => view => addto.phtml**

**a) Vendor => Magento => module-catalog => view => frontend => Copy all folders and file:**

- layout
- template
- web
- requirejs-config.js

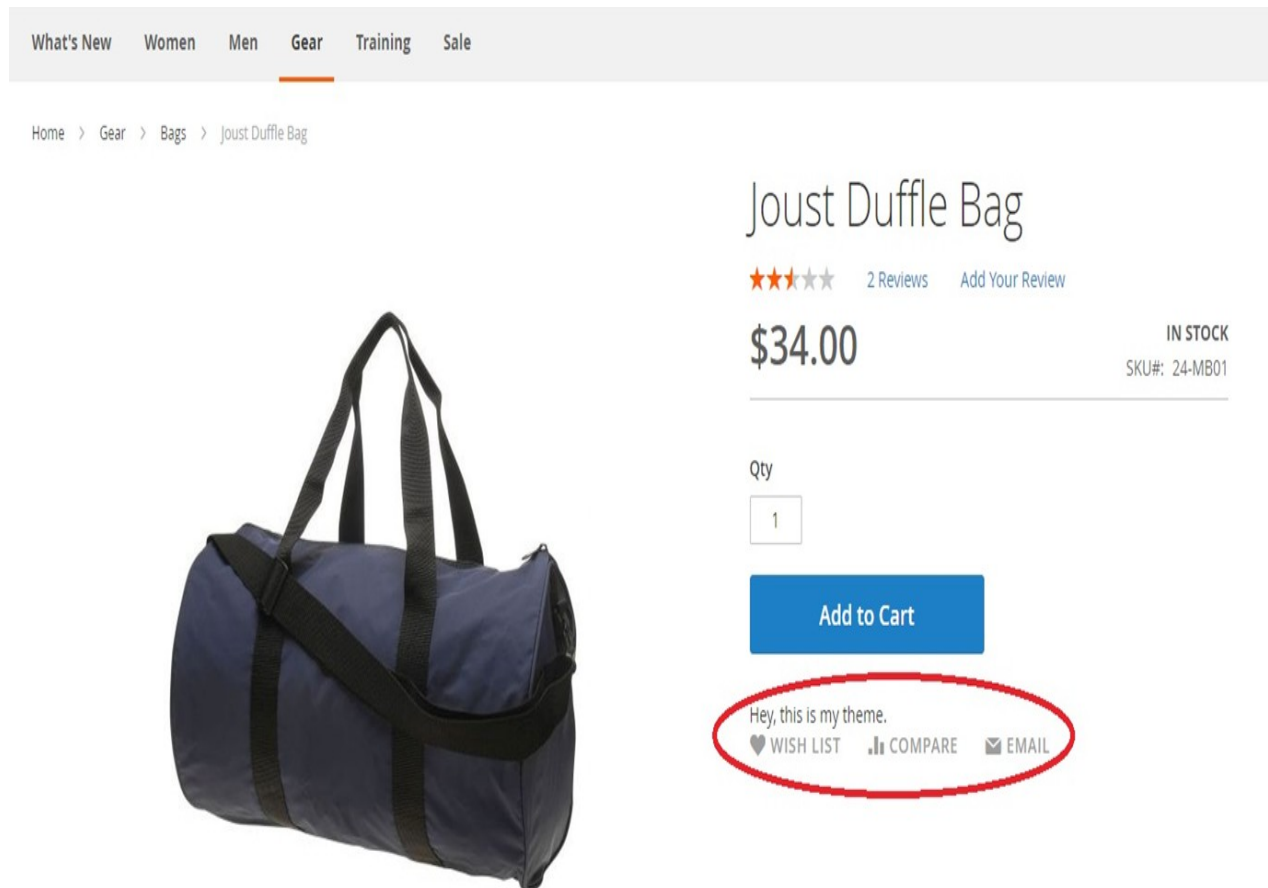
**b) Next, create a folder `Magento_Catalog` inside your theme and paste inside it**

**c) Open file `Magento_Catalog => templates => product => view => addto.phtml`**

then add 1 more text as example below:

```
<div class="infor">Hey, this is my theme.</div>
```

And then, go to Detail product page and Reload, you can see that “text” in the “Add to cart” area.



And that is simple method of creating a Custom Theme.