

DR. ALVIN'S PUBLICATIONS

HOW TO CREATE A WEBSITE USING WORDPRESS

DR. ALVIN ANG



WORDPRESS

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INTRODUCTION

- This manuscript is a summary of
 - <https://www.tutorialspoint.com/wordpress/index.htm>
 - <https://youtu.be/YWA-xbsJrVg>
 - <https://youtu.be/E9YTRLm9SQs>
 - <https://themeisle.com/blog/install-xampp-and-wordpress-locally/>

- WordPress is an open source Content Management System (CMS), which allows the users to build dynamic websites and blog.

- WordPress is the most popular blogging system on the web and allows updating, customizing and managing the website from its back-end CMS and components.

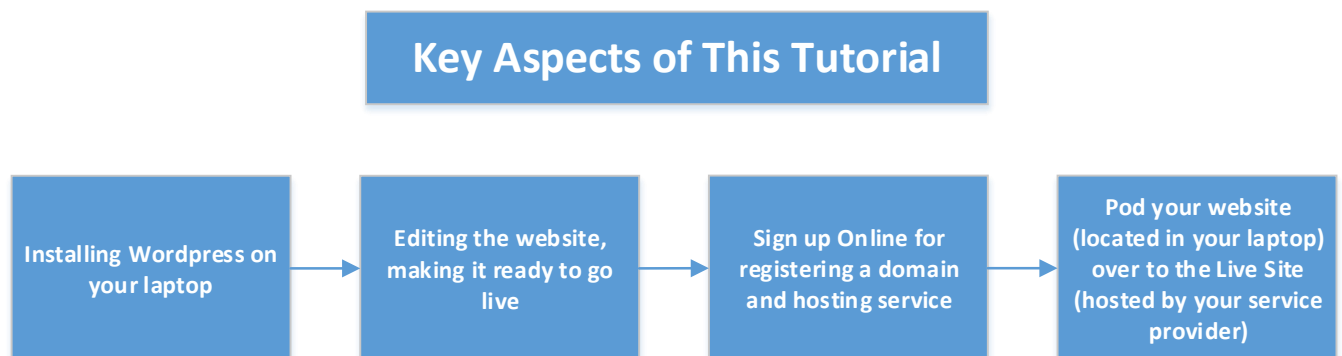
- Content Management System (CMS) stores all data such as text, photos, music, documents, etc. and is made available on your website.

- It helps in editing, publishing and modifying the content of the website.

- System Requirements for WordPress
 - Database – MySQL 5.0 +

 - Web Server –
 - WAMP (Windows)
 - LAMP (Linux)
 - XAMP (Multi-platform)
 - MAMP (Macintosh)

- Operating System – Cross-platform
- Browser Support –
 - IE (Internet Explorer 8+),
 - Firefox,
 - Google chrome,
 - Safari,
 - Opera
- PHP Compatibility – PHP 5.2+

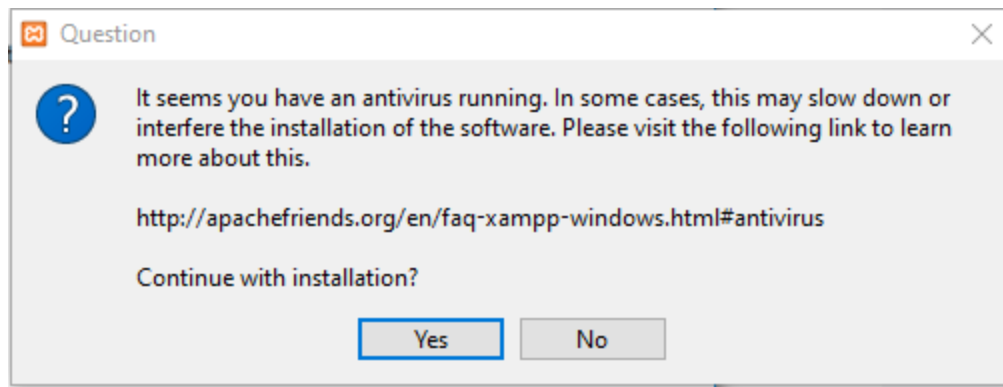


INSTALLING WORDPRESS ONTO YOUR LAPTOP

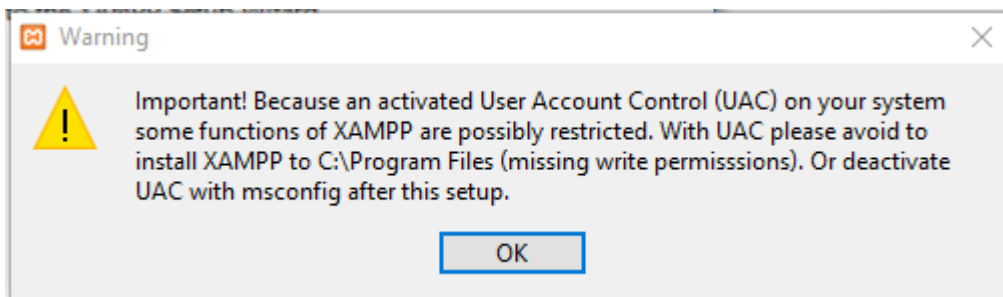
- We will follow the steps from here:
 - <https://themeisle.com/blog/install-xampp-and-wordpress-locally/>

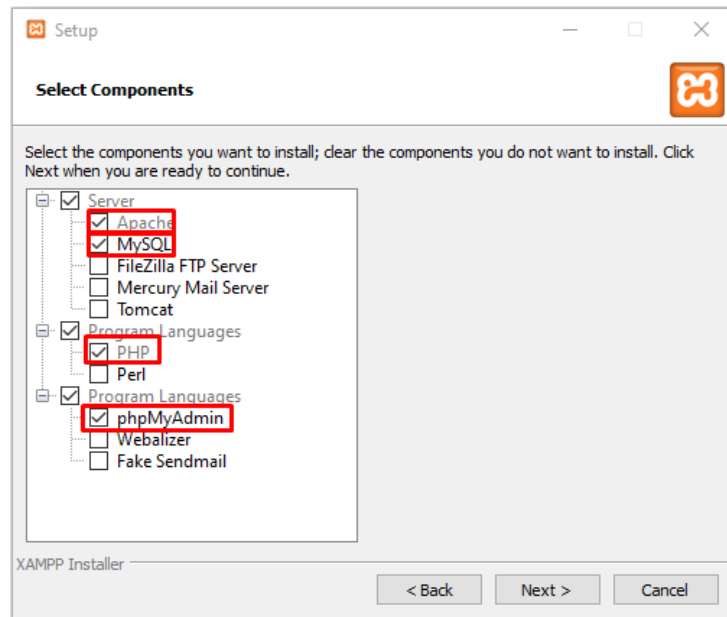
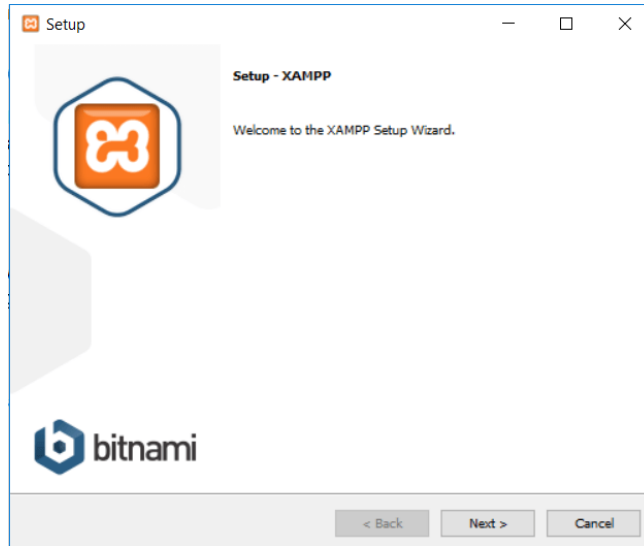
STEP 1: DOWNLOAD AND INSTALL XAMPP

- Go <https://www.apachefriends.org/index.html>
- Download XAMPP for Windows
- Run the installation
- You might see this:

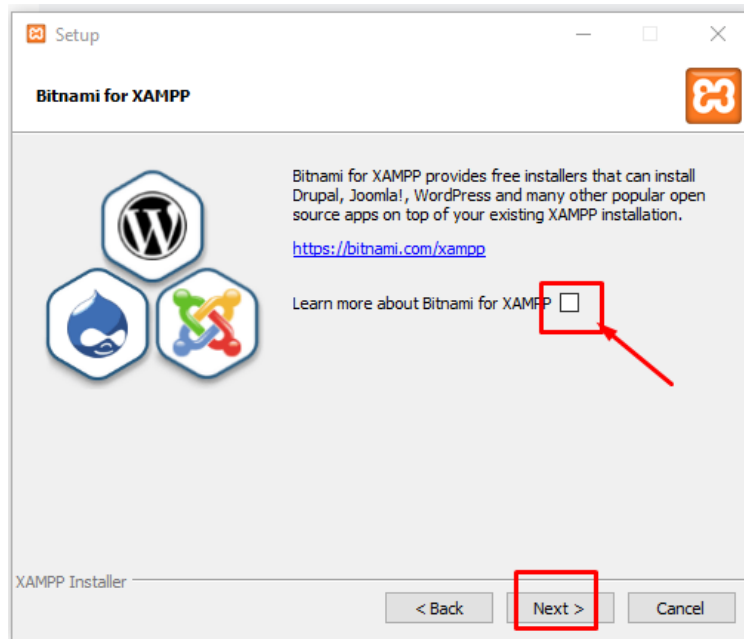
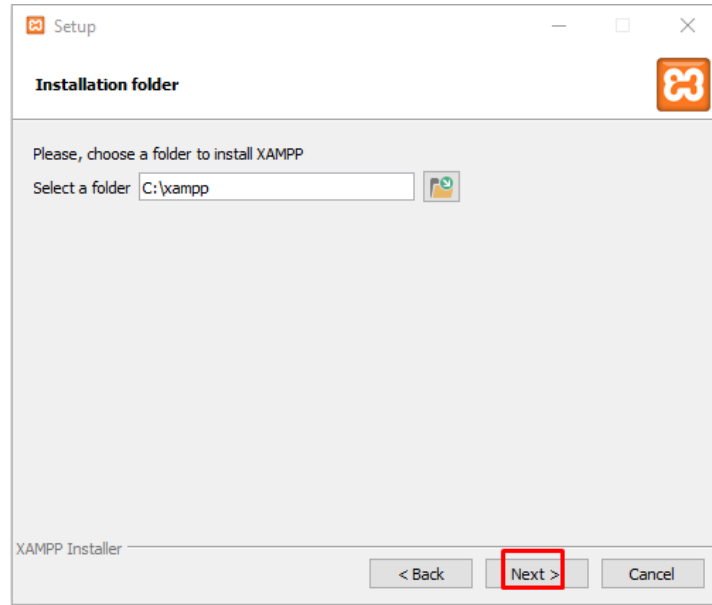


- Disable your antivirus before proceeding.
- Then you might see this → Just click OK

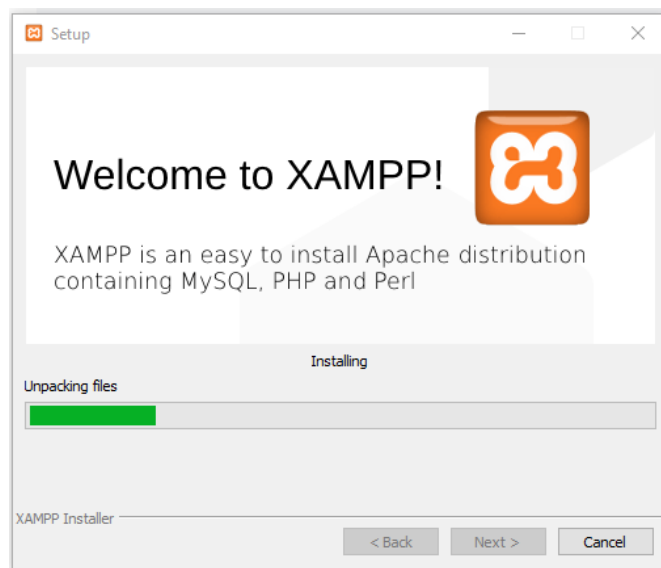
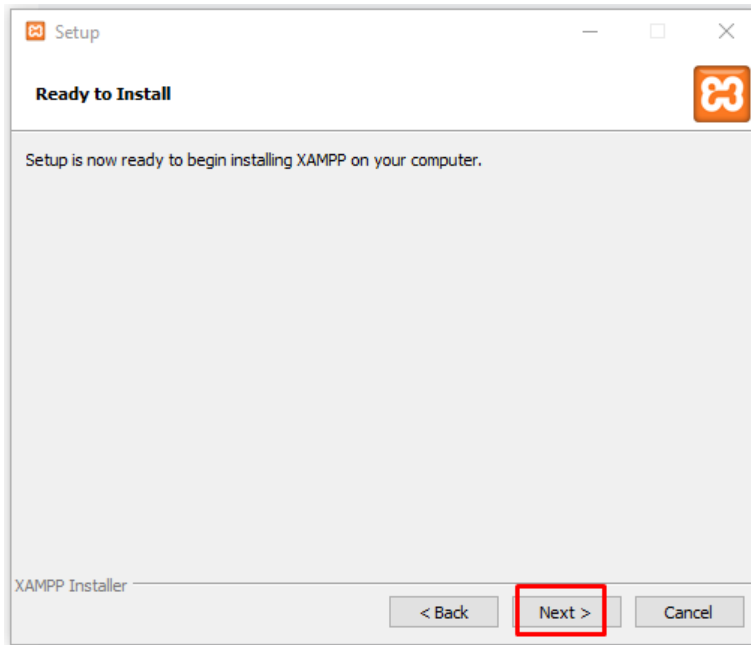




- You don't need everything → Just select those in red:
 - MySQL
 - PHPMYAdmin

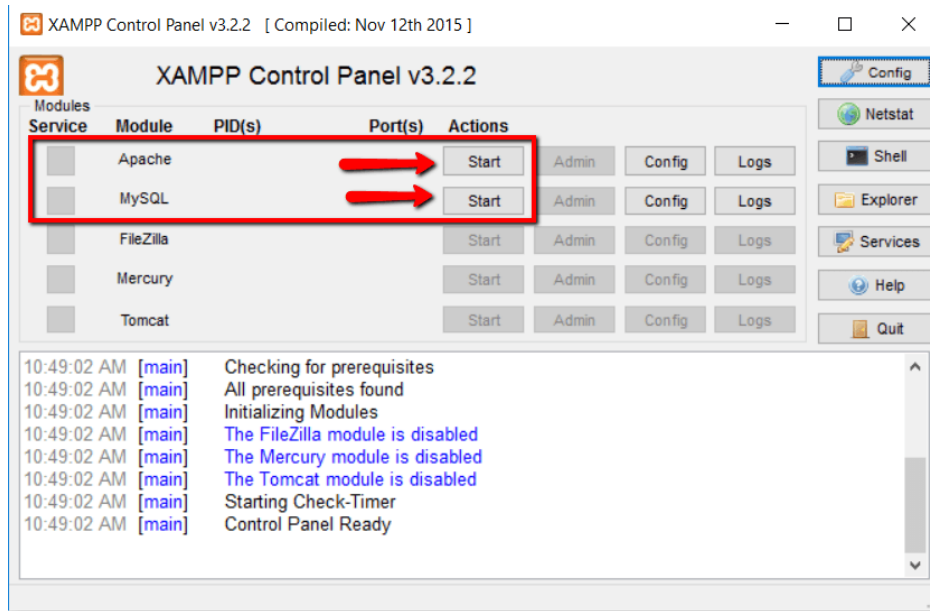
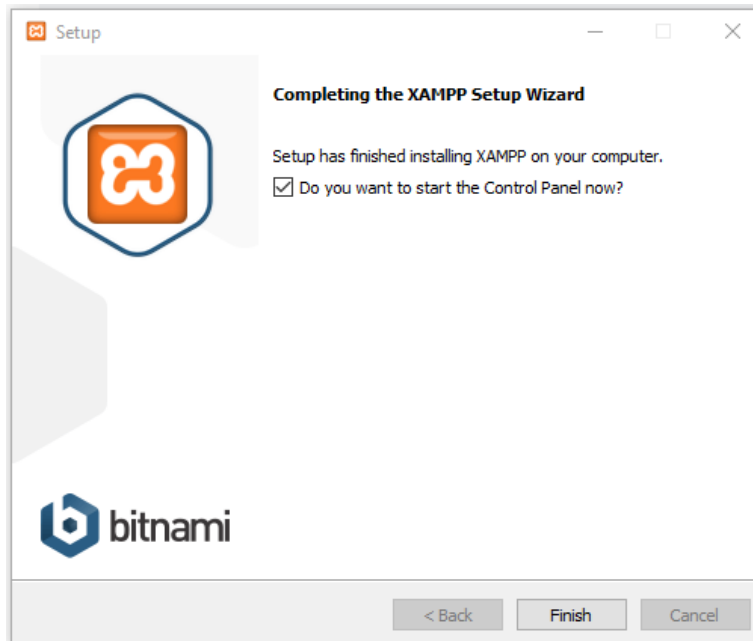


- You do not need Bitnami, so uncheck the box...

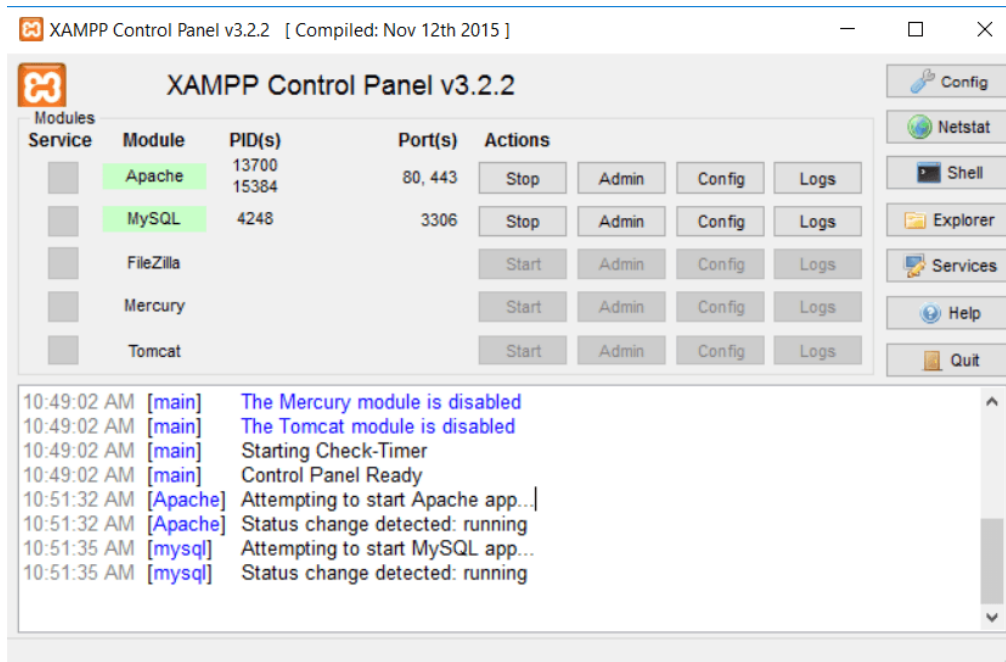


- Installation take long time... please wait...

STEP 2: START MODULES AND TEST SERVER



- Run the two modules → Apache + MySQL

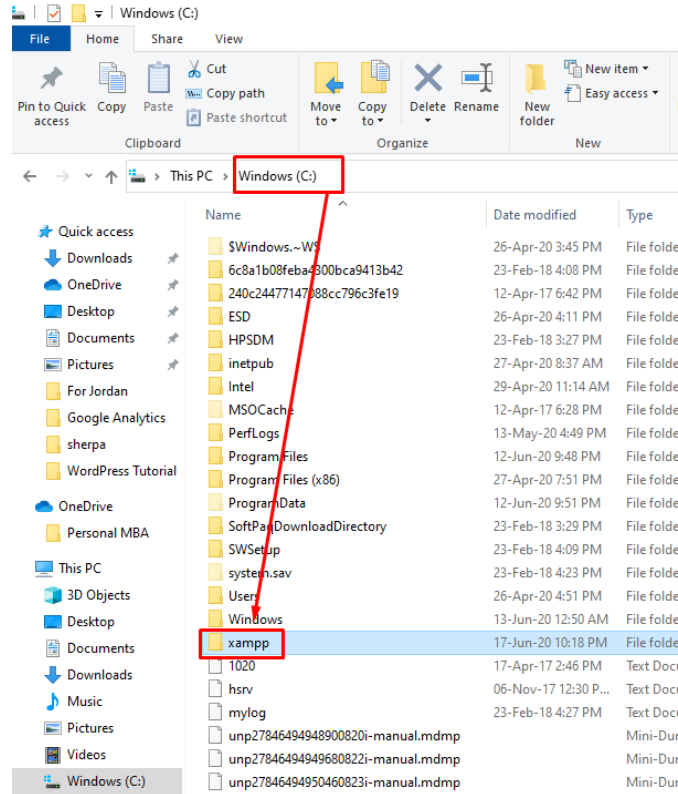


- Now go to Google Chrome browser and type in: <http://localhost/>
- You will see this:

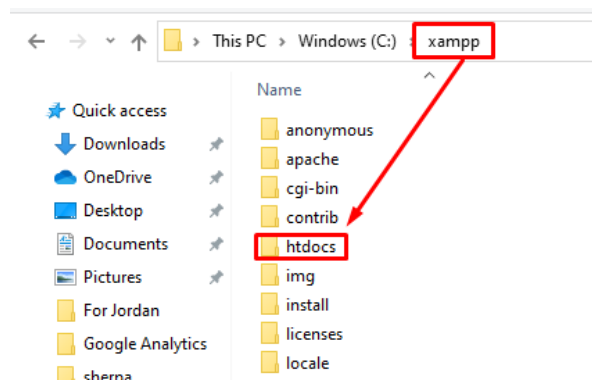


STEP 3: INSTALL WORDPRESS AND ADD WORDPRESS FILES

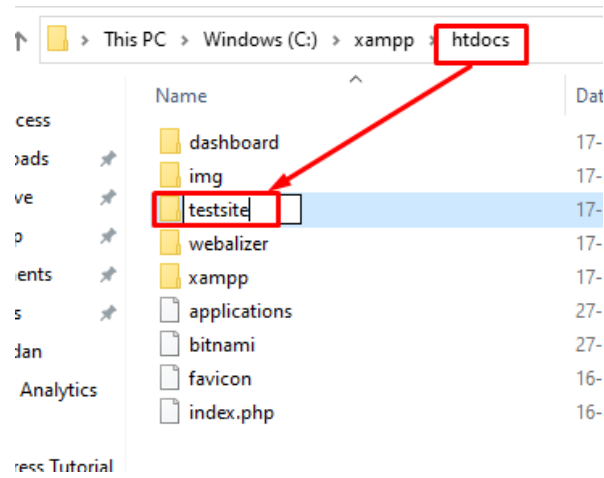
- Go <https://wordpress.org/download/> and download WordPress.
- Then locate C://xampp



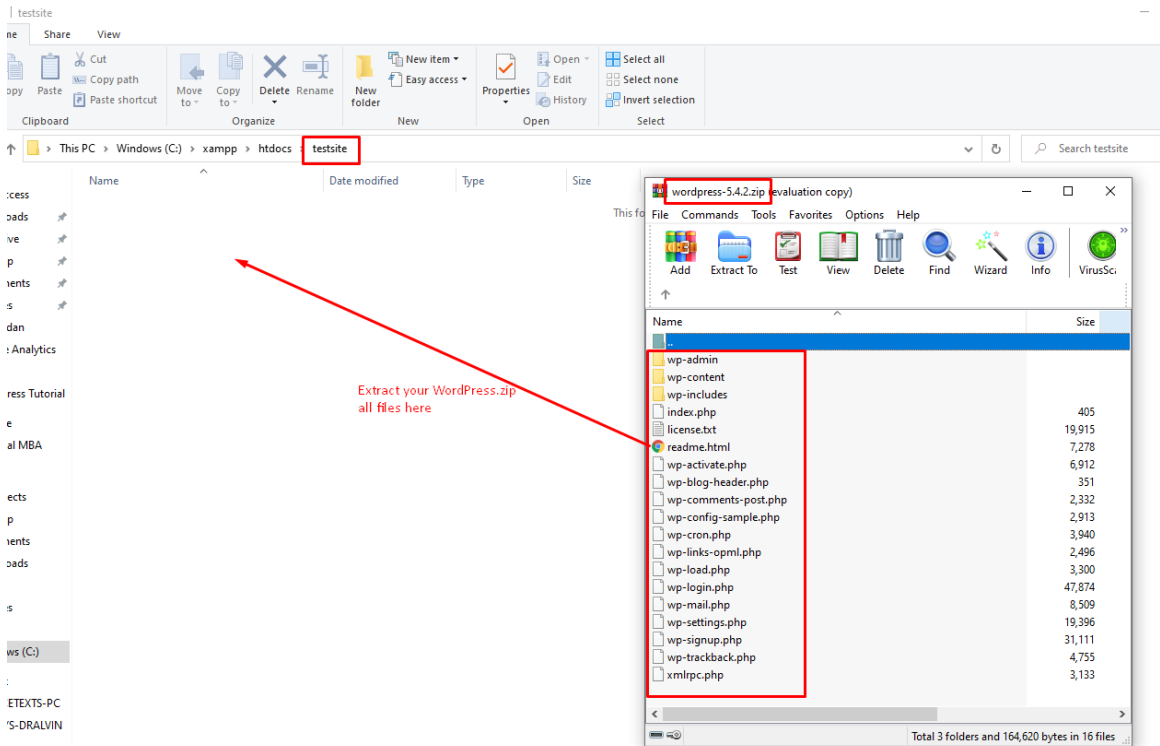
- Then go locate the folder htdocs



- Create a new folder called testsite

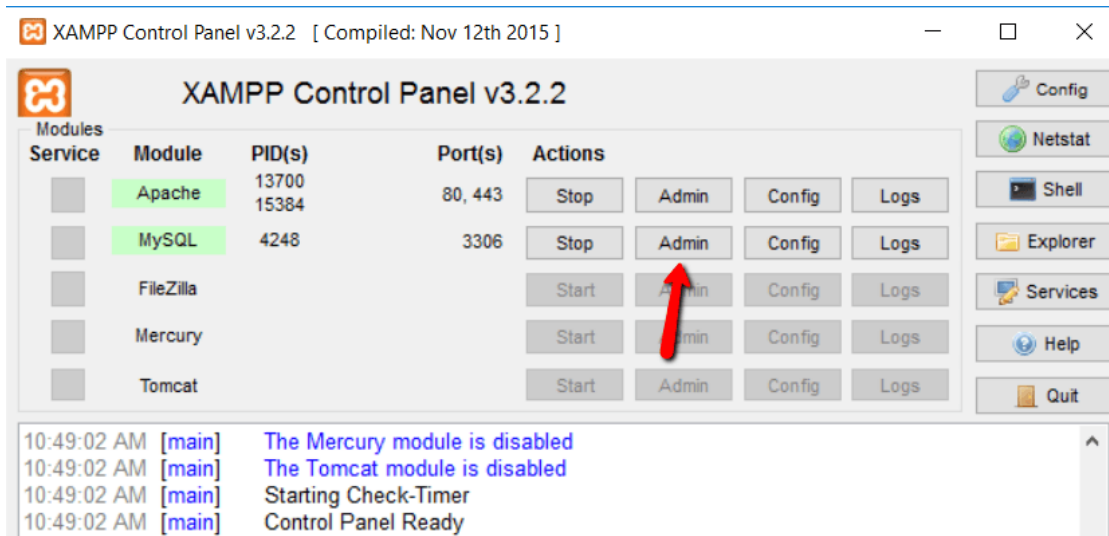


- Now extract all WordPress.zip files into the testsite folder.

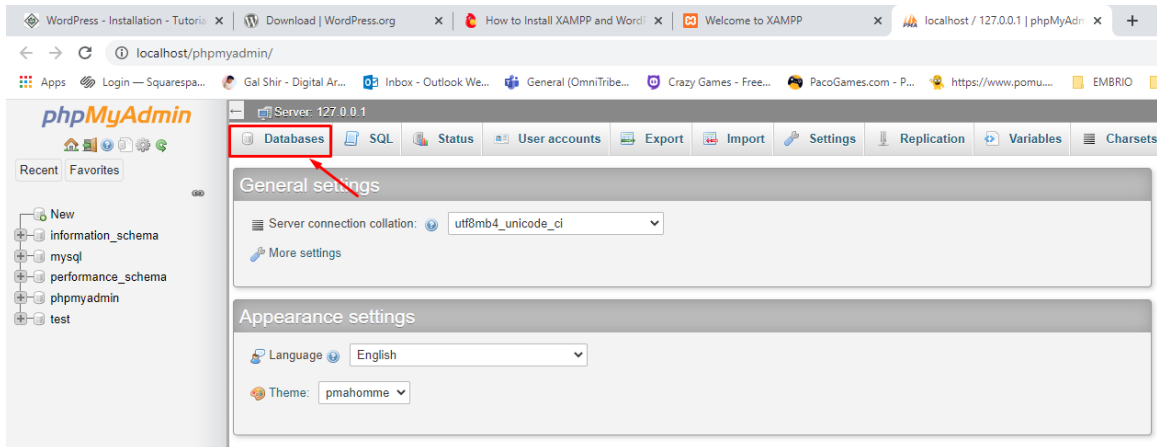


STEP 4: CREATE A DATABASE FOR WORDPRESS

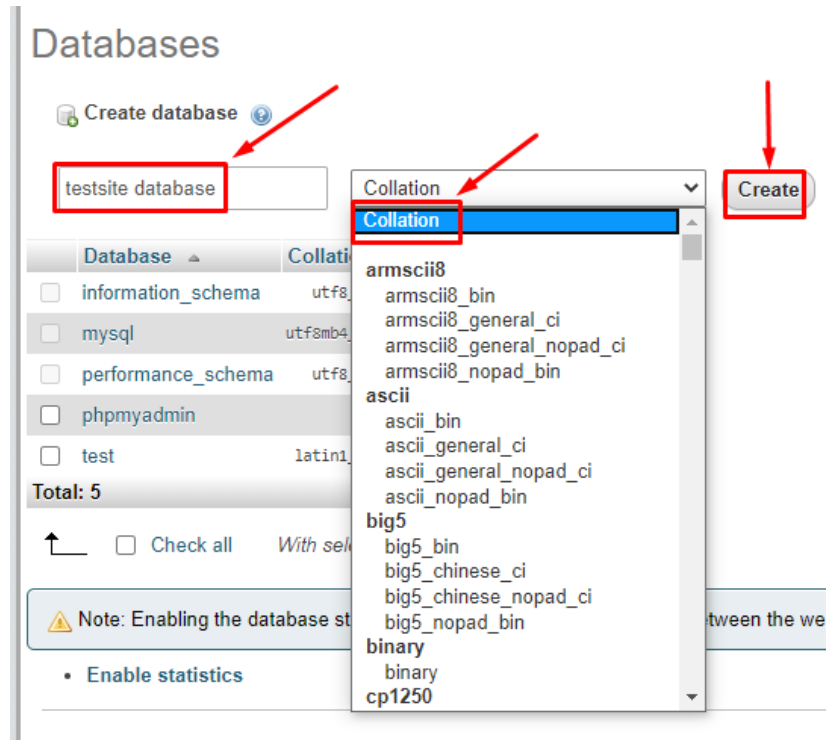
- Launch PHP Admin



- Click on Databases



- Type in testsite database, choose Collation (right at the top) and then click Create.





All right, sparky! You've made it through this part of the installation. WordPress can now communicate with your database. If you are ready, time now to...

[Run the installation](#)



Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title

testsite

Username

admin

Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password

Abcd8888!

[Hide](#)

Medium

Important: You will need this password to log in. Please store it in a secure location.

Your Email

gilalvin@hotmail.com

Double-check your email address before continuing.

Search Engine
Visibility

Discourage search engines from indexing this site

It is up to search engines to honor this request.

[Install WordPress](#)



Success!

WordPress has been installed. Thank you, and enjoy!

Username admin

Password *Your chosen password.*

[Log In](#)



Username or Email Address

admin

Password

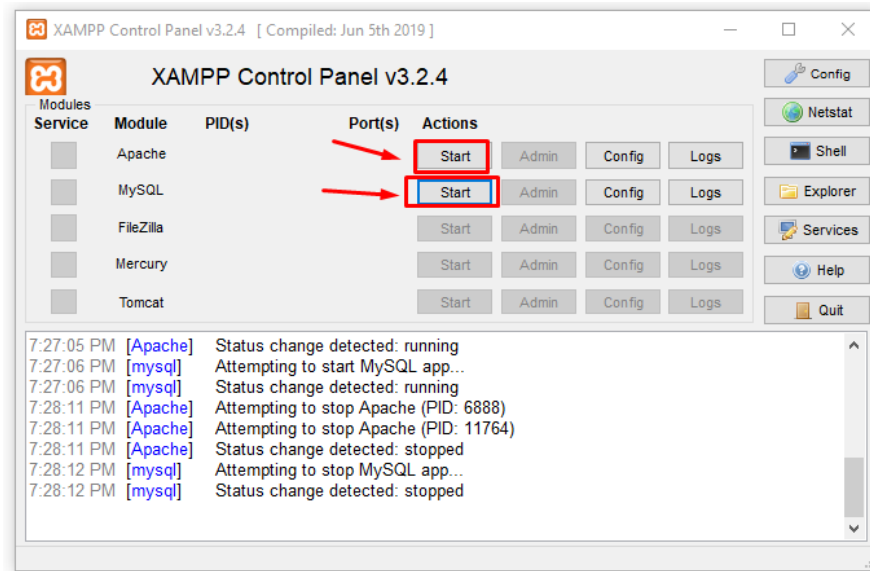
Abcd8888!



Remember Me

[Log In](#)

STARTING WORDPRESS ON YOUR LAPTOP

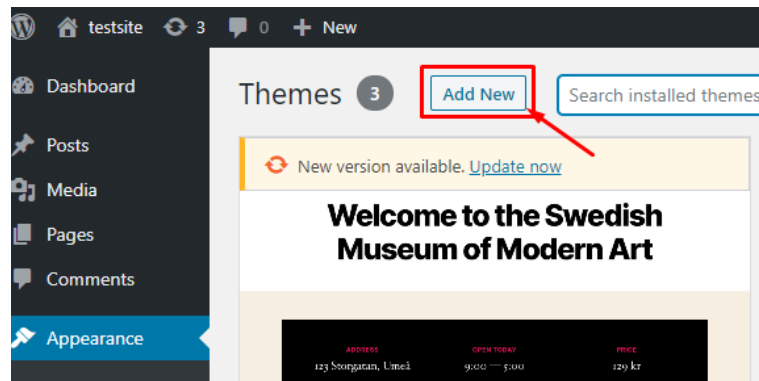
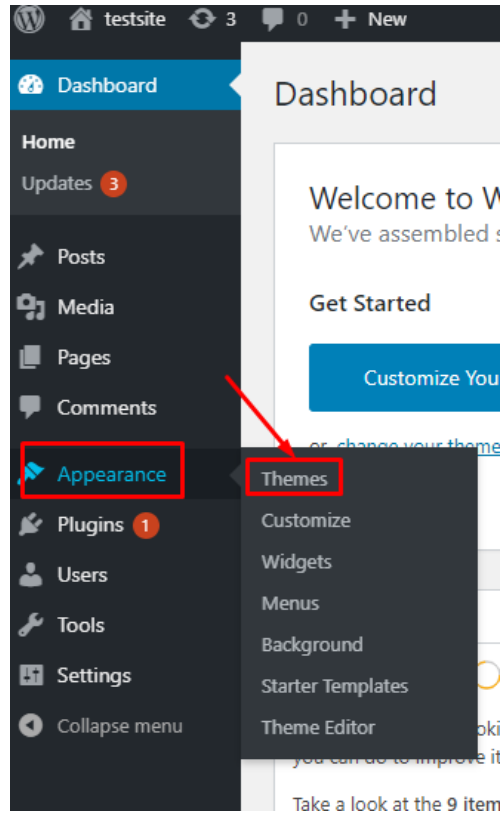


- Without XAMPP, WordPress cannot run.
- So open XAMPP, click Start for both Apache and MySQL.
- Go to Google Chrome and type in: <http://localhost/testsite/wp-admin/>
- Log in by typing

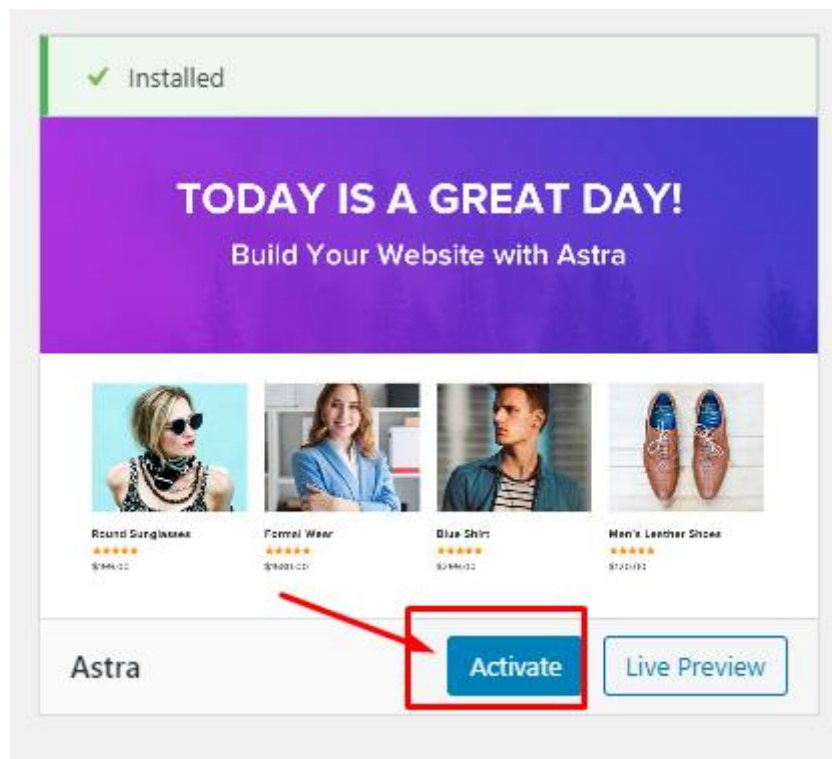
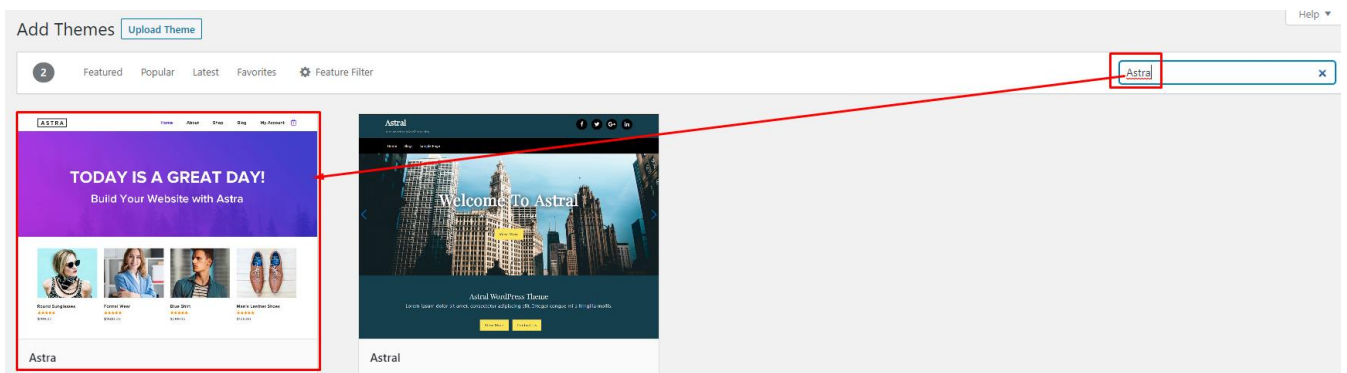


INSTALLING THE ASTRA THEME

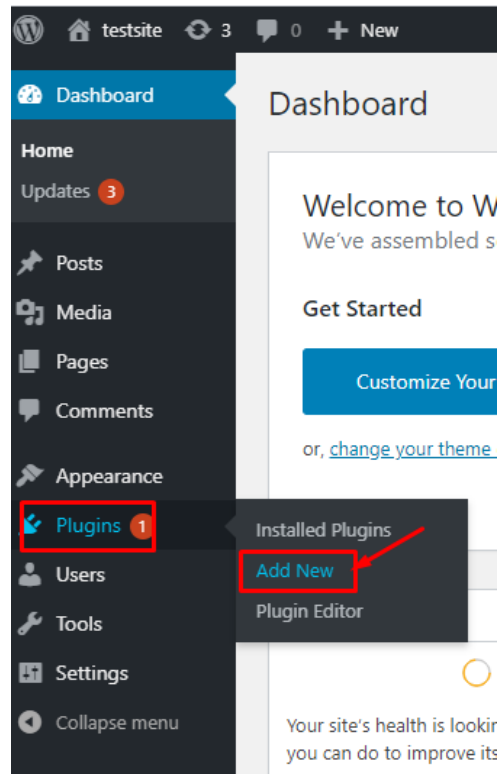
STEP 1: INSTALL THE ASTRA THEME



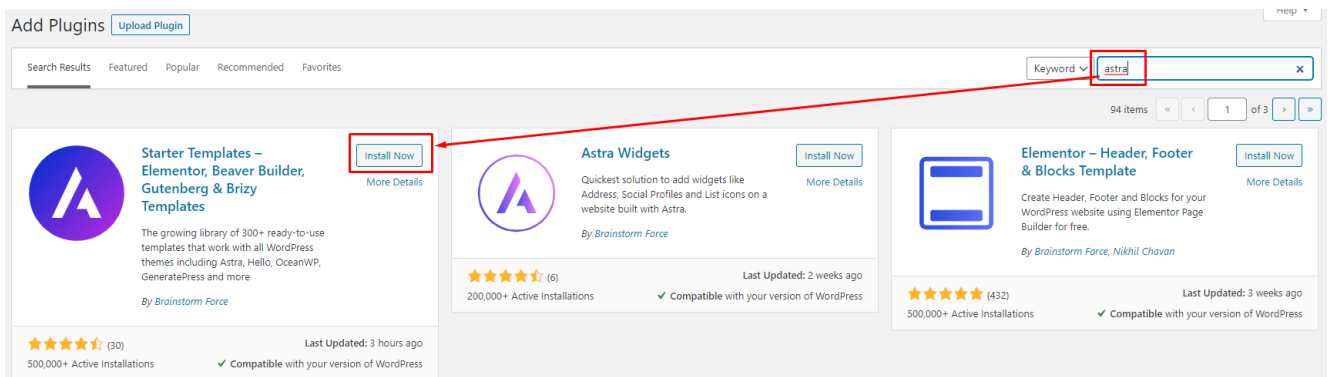
Type in Astra into the searchbox... then click install



STEP 2: INSTALL THE ASTRA PLUGIN



Type in Astra into the searchbox... then click install



Starter Templates – Elementor, Beaver Builder, Gutenberg & Brizy Templates

The growing library of 300+ ready-to-use templates that work with all WordPress themes including Astra, Hello, OceanWP, GeneratePress and more

By Brainstorm Force

★★★★★ (30) Last Updated: 3 hours ago

500,000+ Active Installations ✓ Compatible with your version of WordPress

[Activate](#) [More Details](#)

testsite 3 0 + New

- Dashboard
- Posts
- Media
- Pages
- Comments
- Appearance
- Plugins 1**
- Users
- Tools
- Settings
- Collapse menu

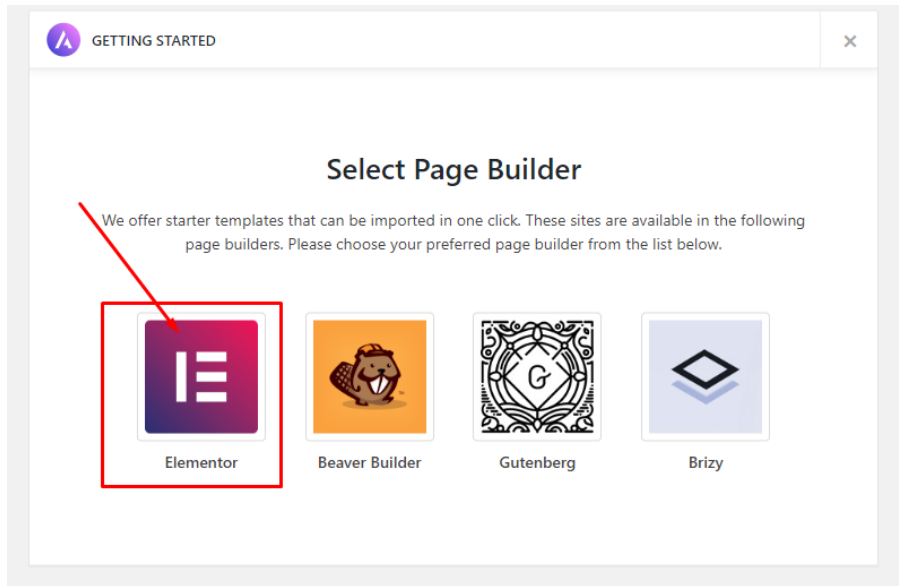
Plugins [Add New](#)

All (3) | Active (1) | Inactive (2) | Up

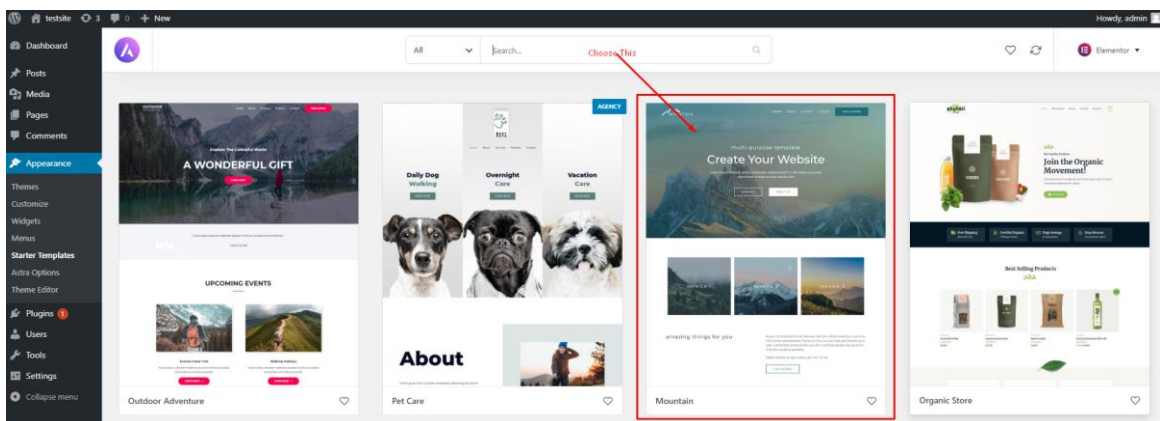
Bulk Actions [Apply](#)

<input type="checkbox"/>	Plugin	De
<input type="checkbox"/>	Akismet Anti-Spam	Us
	Activate Delete	Ve
There is a new version		
<input type="checkbox"/>	Hello Dolly	Th
	Activate Delete	sci
		Ve
<input type="checkbox"/>	Starter Templates	St:
	See Library Deactivate	Ve
<input type="checkbox"/>	Plugin	De

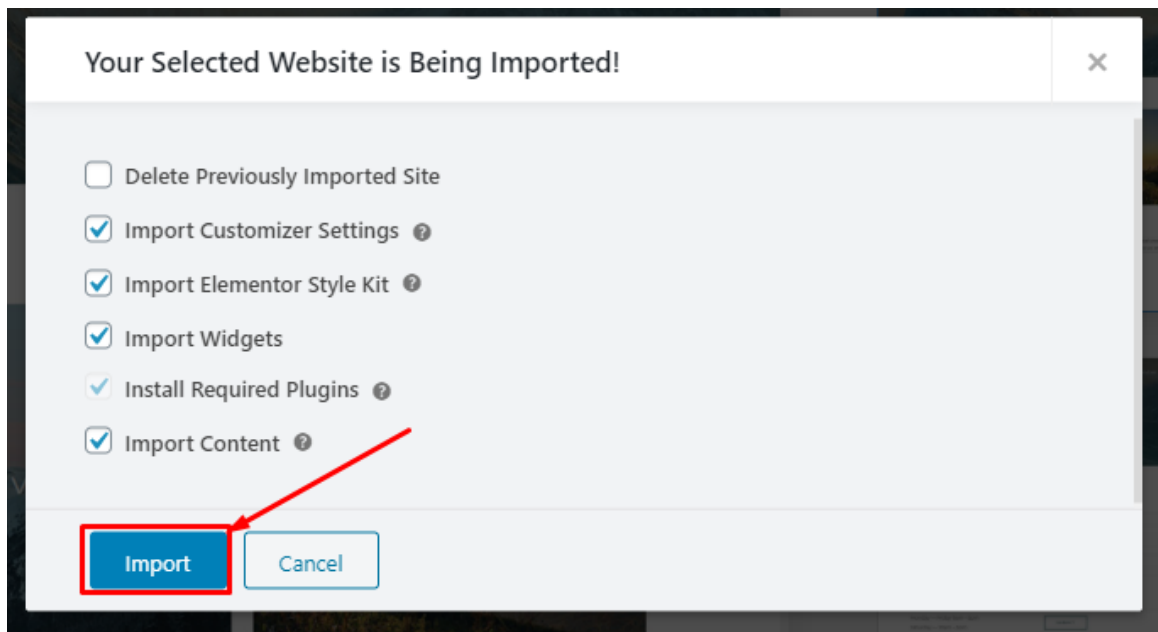
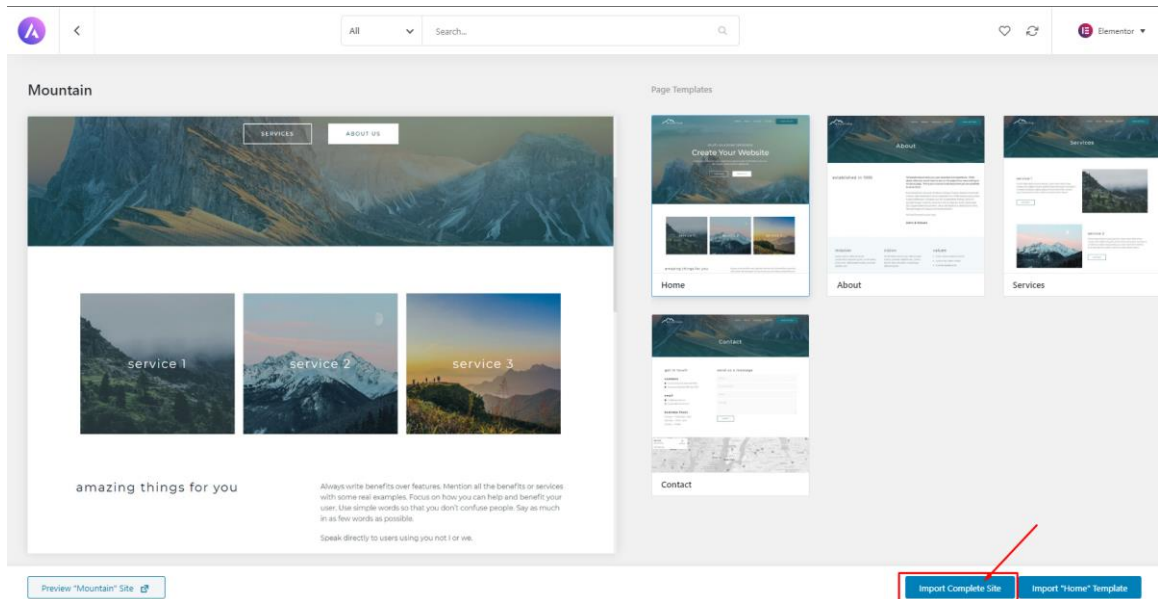
Bulk Actions [Apply](#)

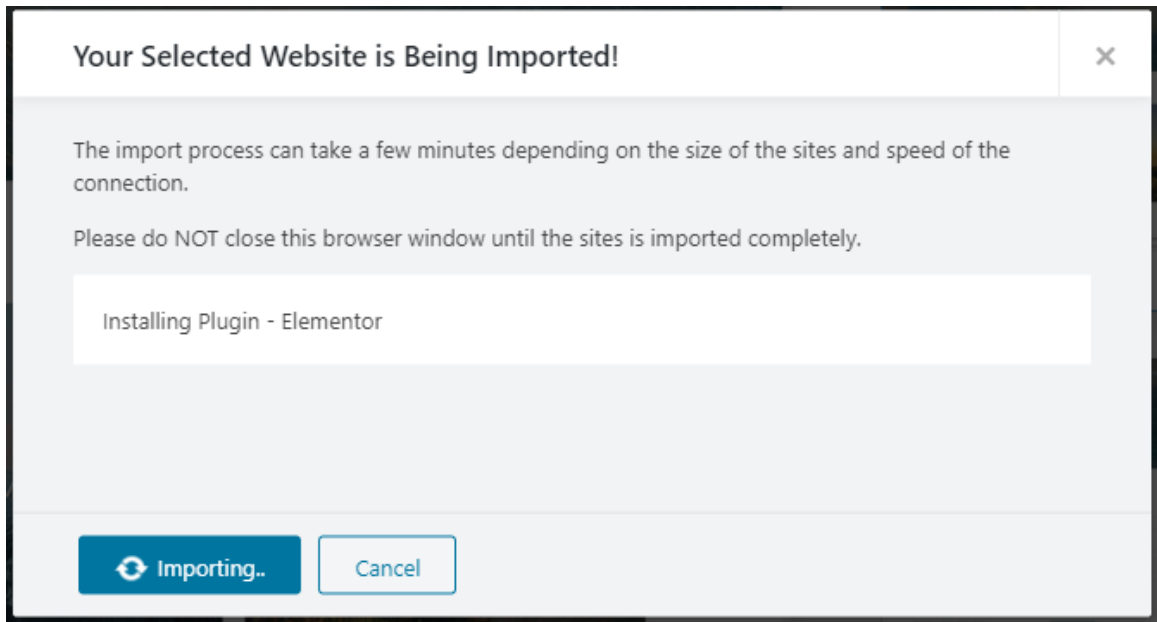


Many themes will pop up... simply pick one...

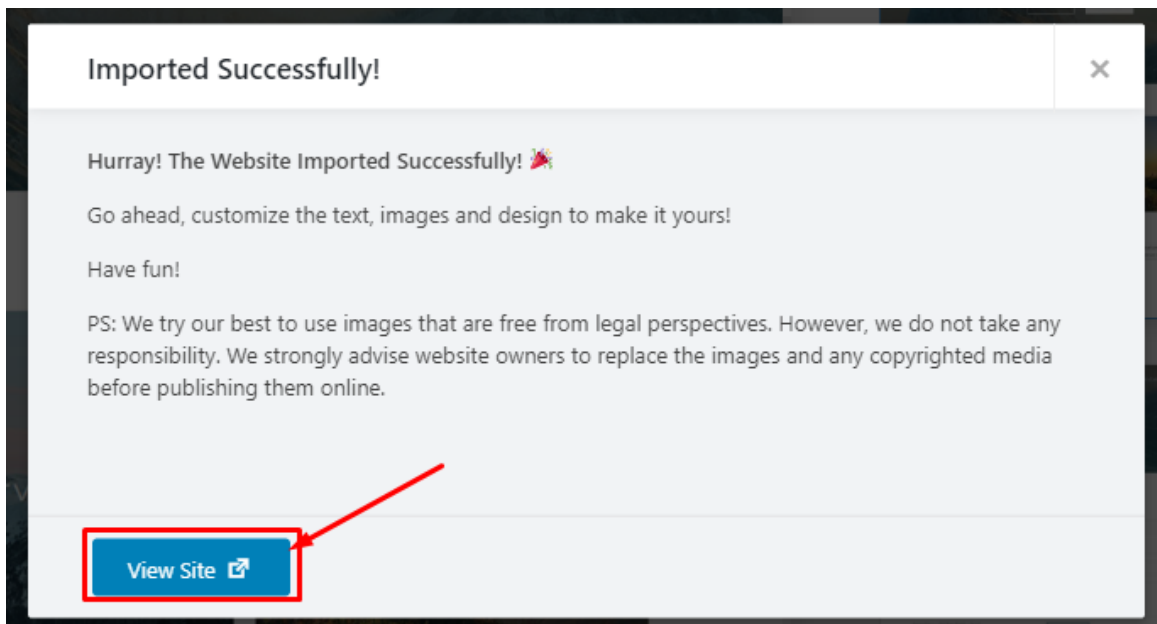


Import the Complete Site





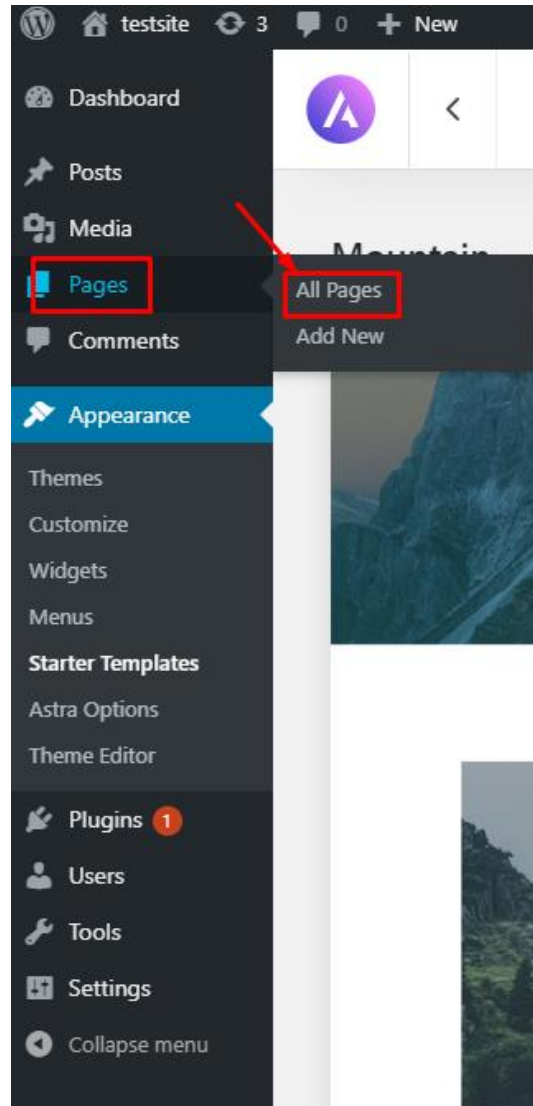
Just wait...

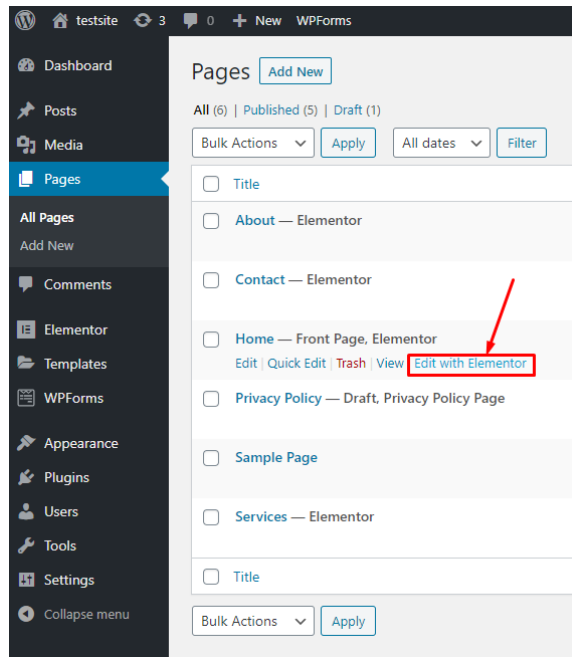


You can now preview the site template....

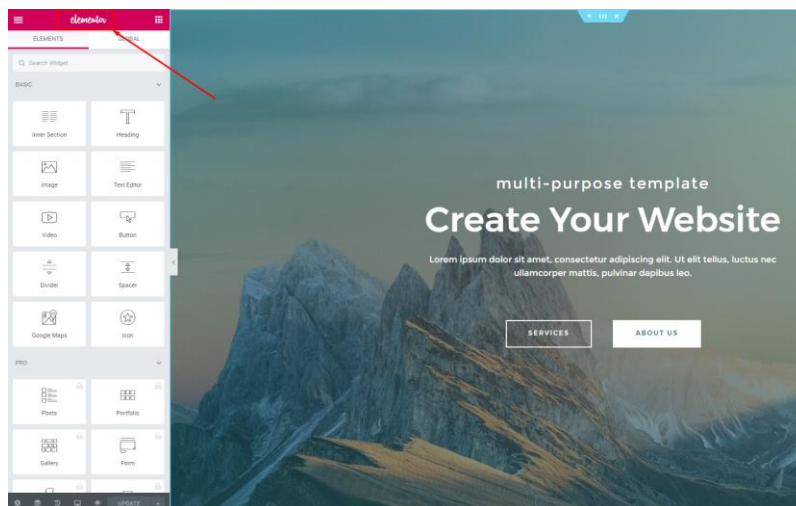
EDITING THE PAGES WITH ELEMENTOR

STEP 1: CUSTOMIZING THE PAGES WITH ELEMENTOR





Mouse over the “Home” and click “Edit with Elementor” should you wish to edit the Home page.



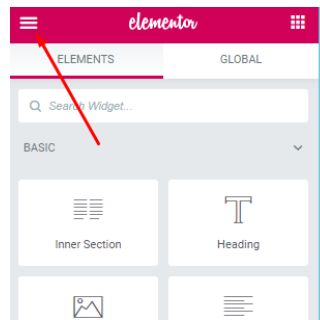
You will now see that the Elementor edit bar is on the left side of the page.

Since Elementor is intuitive and easy to use, we will skip teaching it.

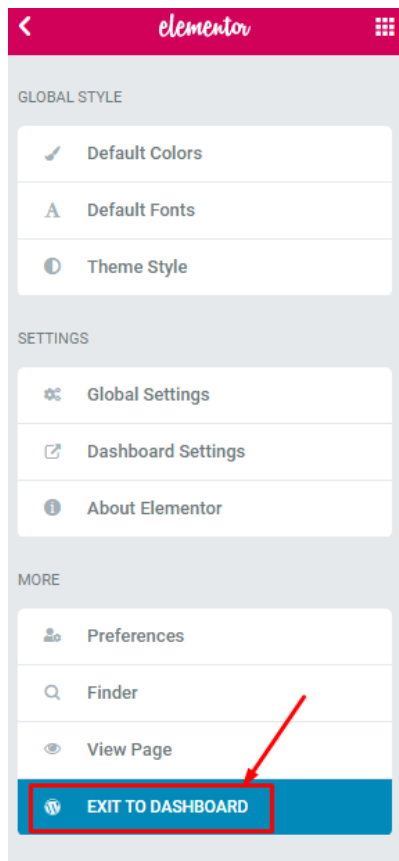
Just click and play around with Elementor and you will get the hang of it very quickly

STEP 2: EXITING BACK TO THE WORDPRESS DASHBOARD

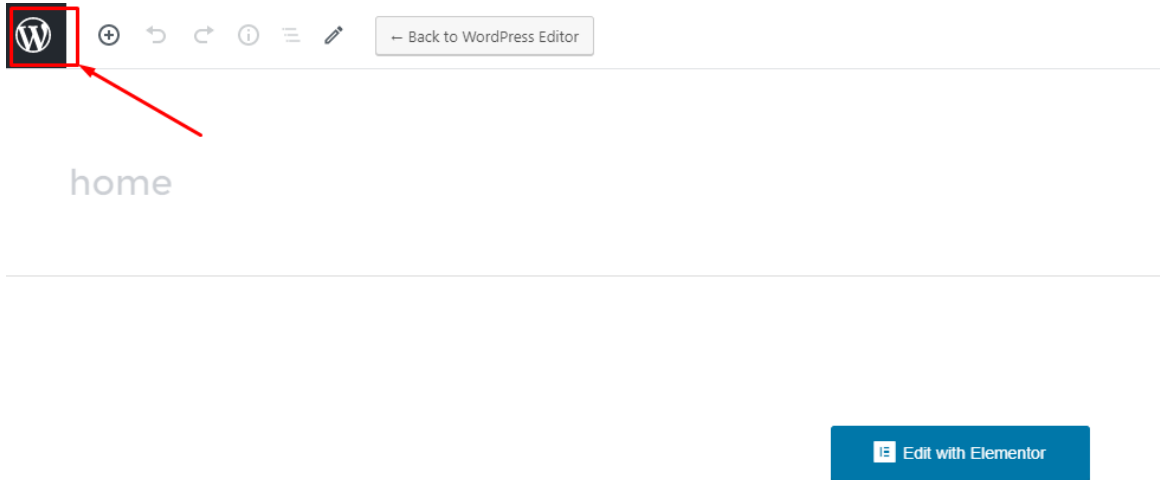
Once you are done editing the page, click on the 3 lines



Click Exit to Dashboard



Click the Wordpress Logo

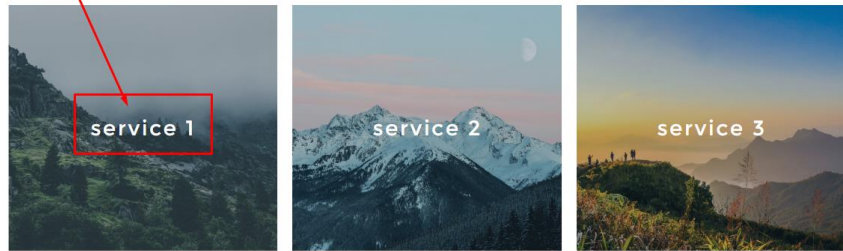
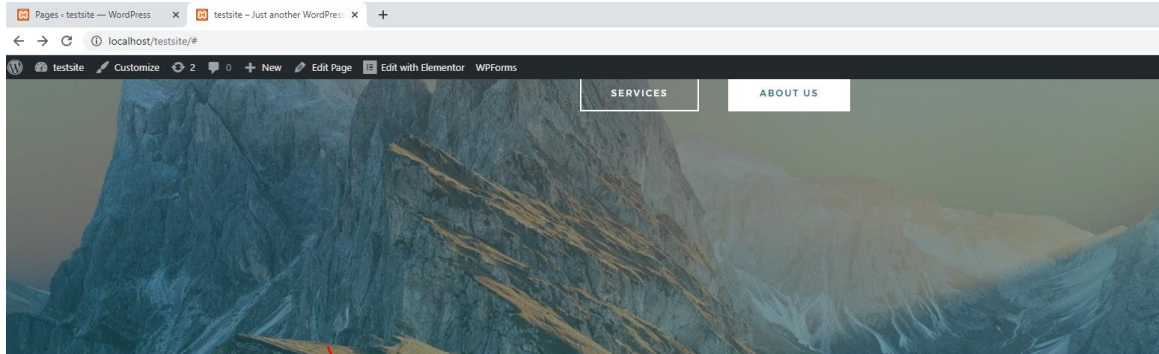


You will now return to the Wordpress Dashboard.

STEP 3: ADDING MISSING PAGES

If you were to go to the main page → <http://localhost/testsite/#>

You will notice that if you clicked on Service 1 or 2 or 3...



This occurs...



Object not found!

The requested URL was not found on this server. The link on the [referring page](#) seems to be wrong or outdated. Please inform the author of [that page](#) about the error.

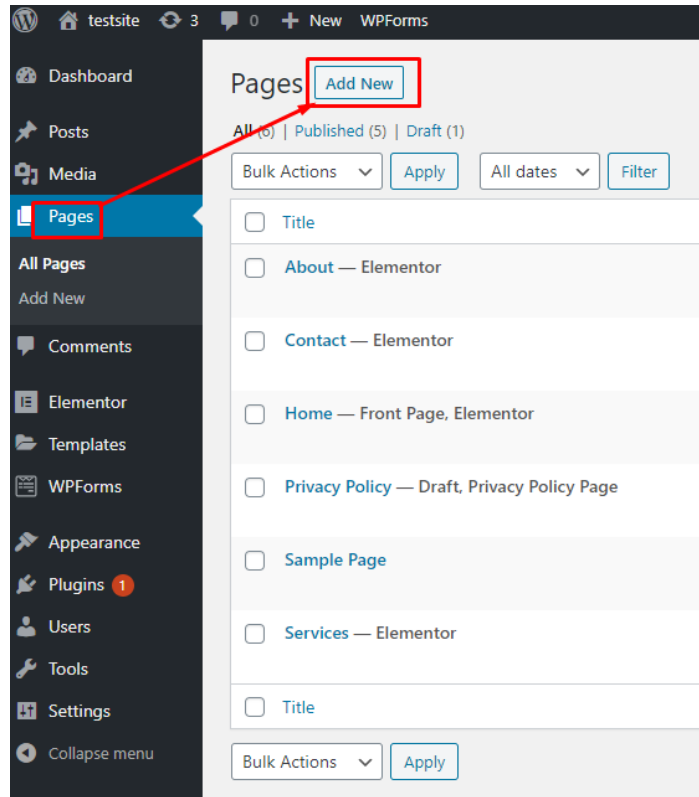
If you think this is a server error, please contact the [webmaster](#).

Error 404

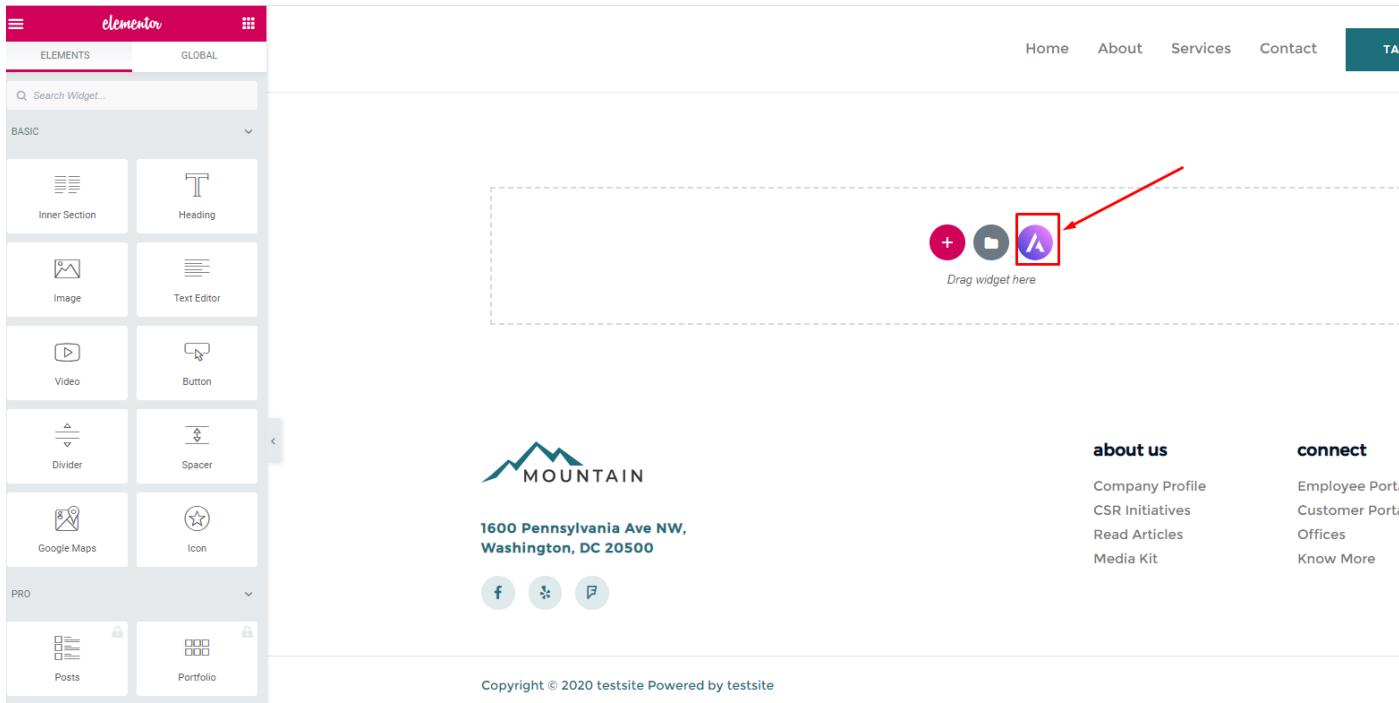
[localhost](#)
Apache/2.4.43 (Win64) OpenSSL/1.1.1g PHP/7.4.6

This is because we have not created any pages for them yet.

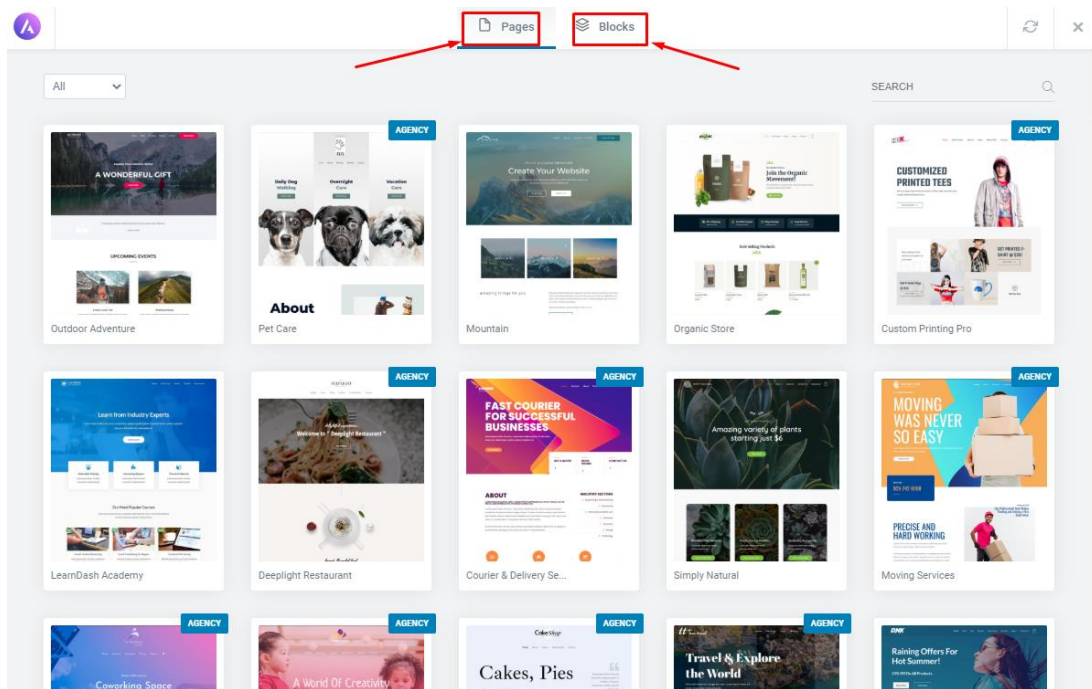
Go back to the Wordpress Dashboard... and Add a New Page



Type in the page name → Service 1 and click Edit with Elementor



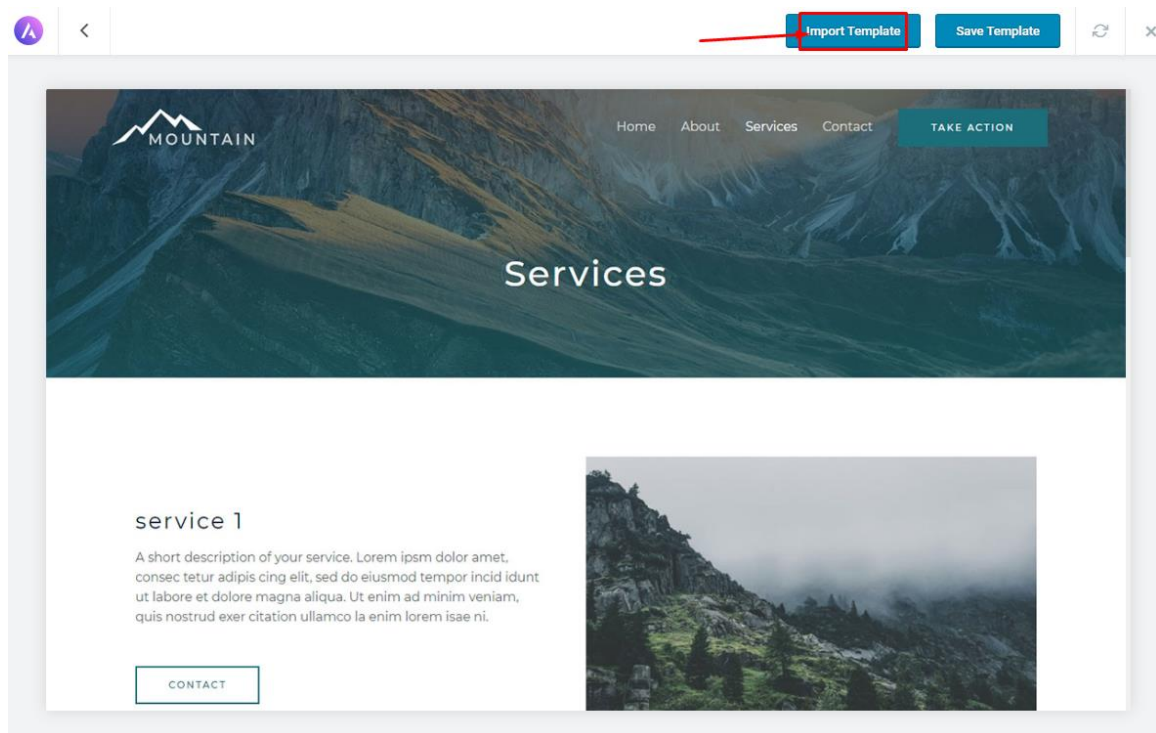
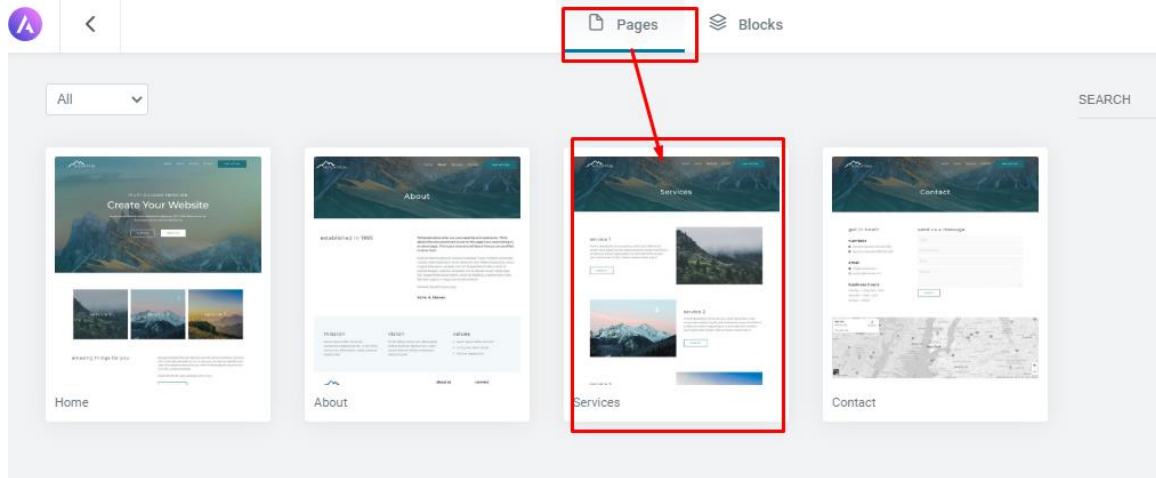
Since this page has no preset template...if we were to click on the Astra Starter Templates Icon...



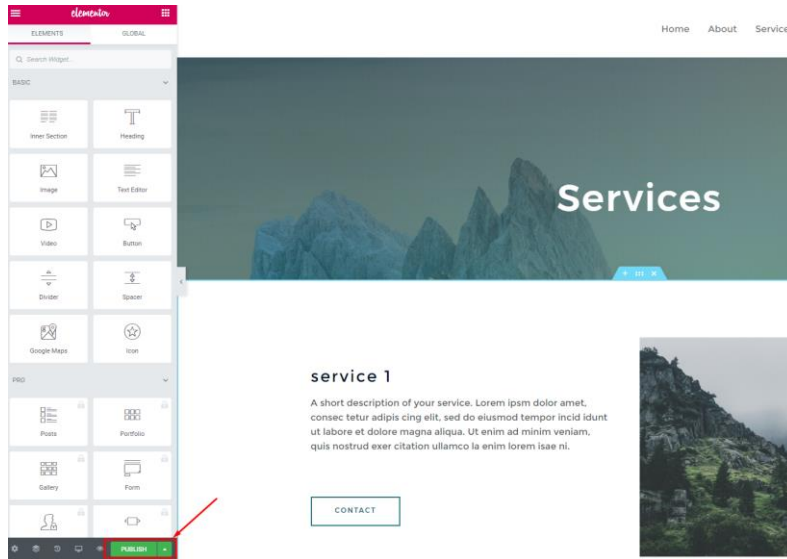
This pops up and we can choose whichever page template we want....

Or we can choose any “block” we wish to place in.

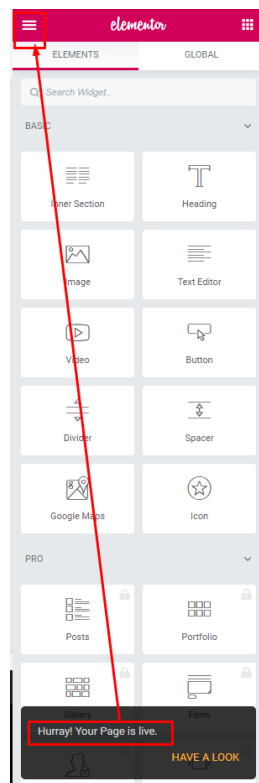
So presume I randomly picked a page template....



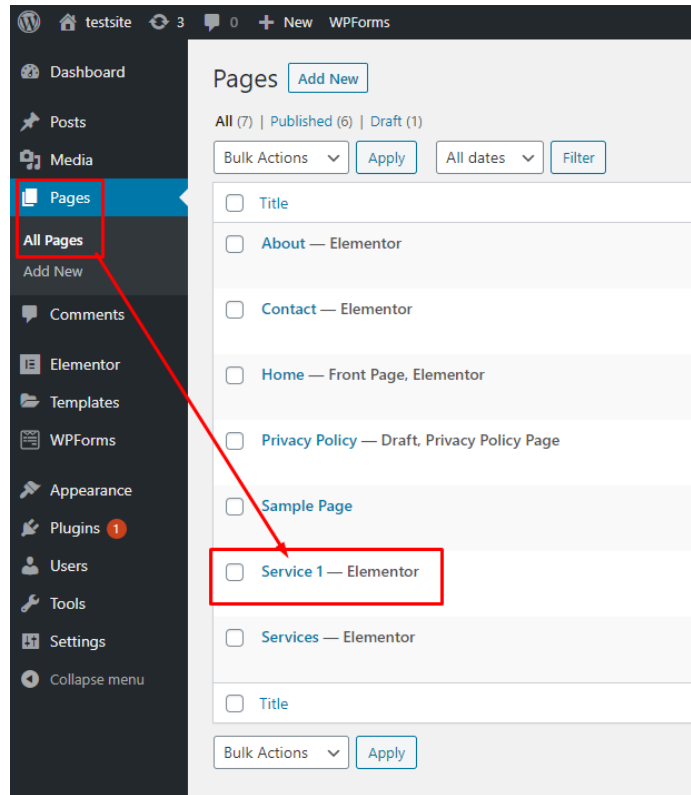
Once I've imported the page template....you may continue editing from there...



Once you are done editing the page, remember to click Publish...

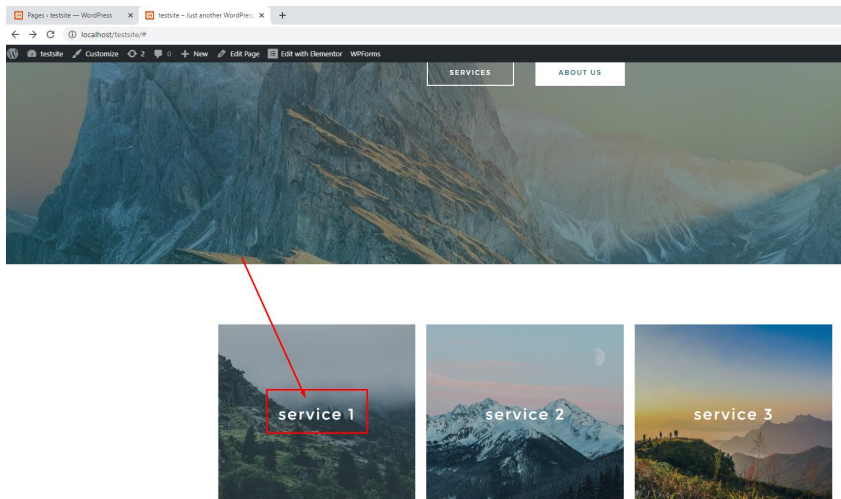


Then exit back to the Wordpress Dashboard again...

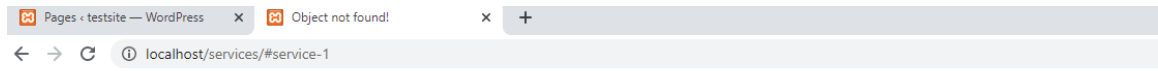


You realize that under All Pages, your new page called Service 1 has appeared.

However, if you were to click back on the Service 1 on the Home Page...



This occurs again...



Object not found!

The requested URL was not found on this server. The link on the [referring page](#) seems to be wrong or outdated. Please inform the author of [that page](#) about the error.

If you think this is a server error, please contact the [webmaster](#).

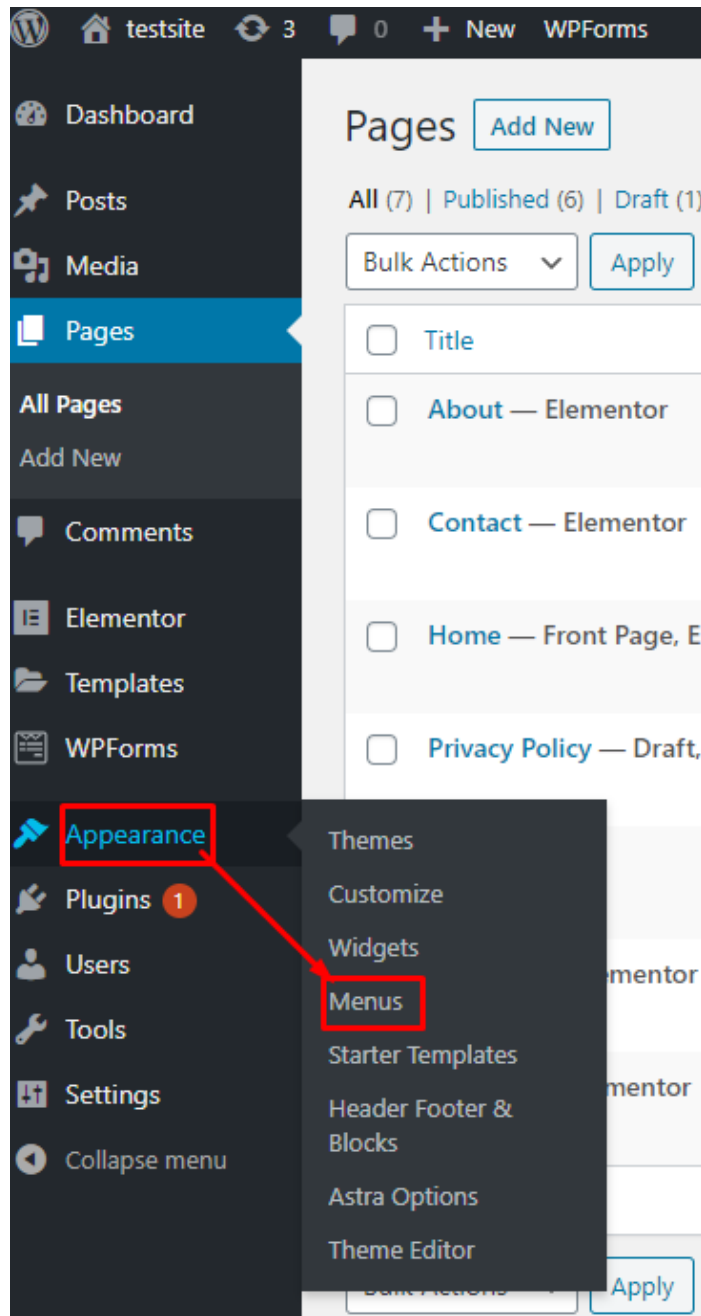
Error 404

[localhost](#)

Apache/2.4.43 (Win64) OpenSSL/1.1.1g PHP/7.4.6

This is because the pages are not linked.

STEP 4: LINKING NEW PAGES



You can see that the New Service 1 Page has Not been Added to the Menu Yet.

Select it and click Add to Menu

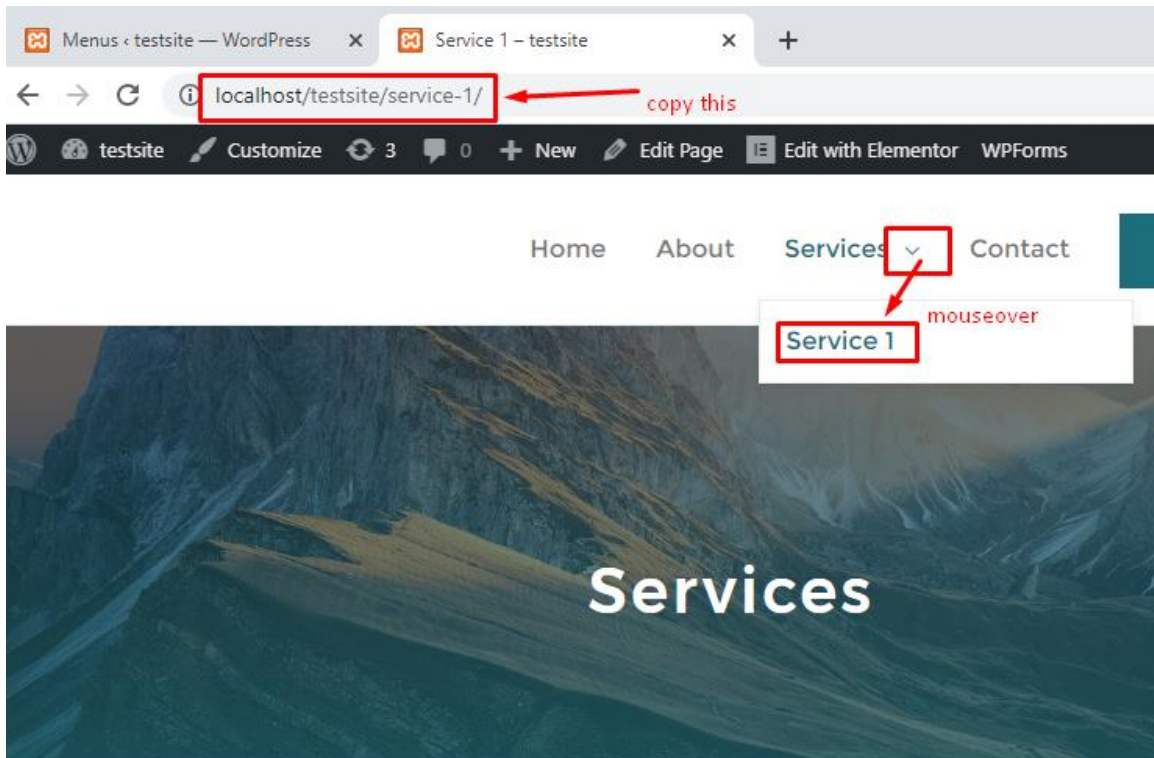
The screenshot displays the WordPress menu management interface. On the left, the 'Add menu items' section shows a list of pages under the 'Pages' category. The 'Service 1 — Elementor' page is selected with a checked checkbox. Below this list is an 'Add to Menu' button. On the right, the 'Menu structure' section shows a menu named 'Navigation' with items: Home, About, Services, Service 1 sub item, and Contact. The 'Service 1 sub item' is highlighted with a red box. At the bottom right of the menu structure section is a 'Save Menu' button. Below the menu structure is the 'Menu Settings' section, which includes options for 'Auto add pages' and 'Display location'. The 'Primary Menu' option is checked. At the bottom left of the menu structure section is a 'Delete Menu' link. At the bottom right of the menu structure section is another 'Save Menu' button. Red arrows point from the 'Add to Menu' button to the 'Service 1 sub item' and from the 'Service 1 sub item' to the top-right 'Save Menu' button.

Navigate back to view the Service 1 page you have created earlier

You will see that when you mouseover the down arrow, the Service 1 page appears.

Click on it and copy the link

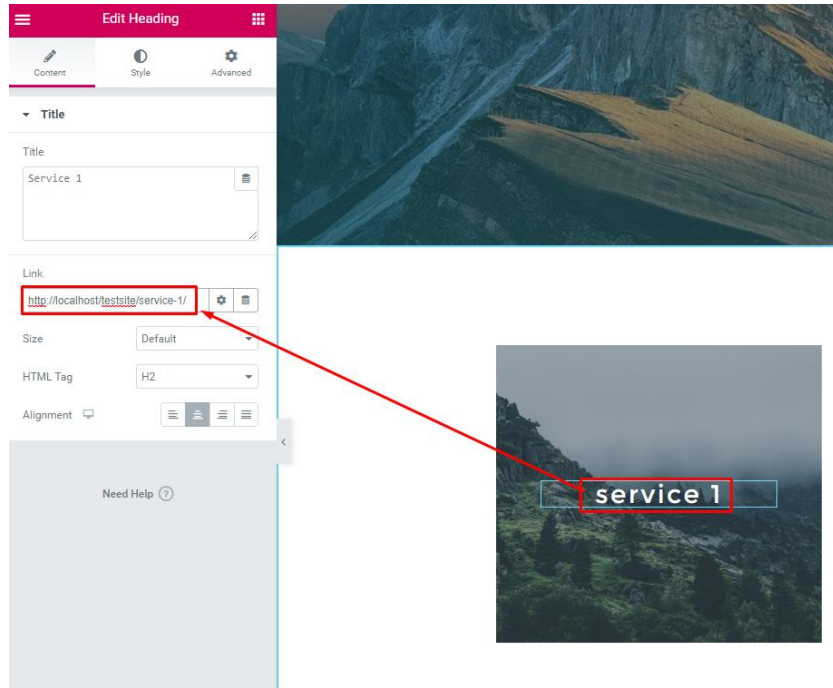
That is, <http://localhost/testsite/service-1/>



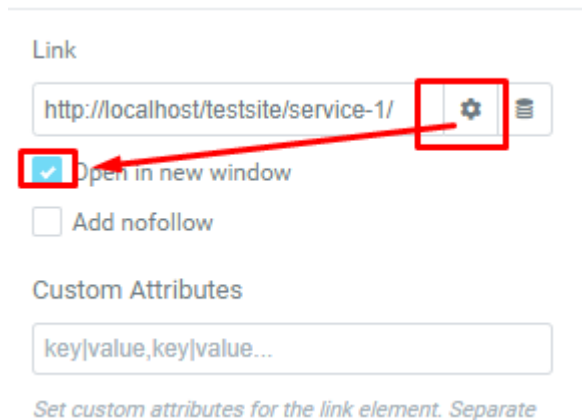
Nav5gate back to the Homepage, and click Edit with Elementor.

Click on the Service 1 link and paste the link into the box.

This will enable it to hyperlink to the site you want.



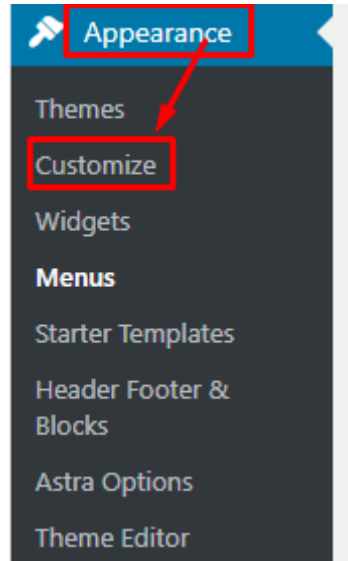
Should you want the new page to open in a new window, do as per below.



STEP 5: EDITING HEADER AND FOOTERS OF THE PAGE

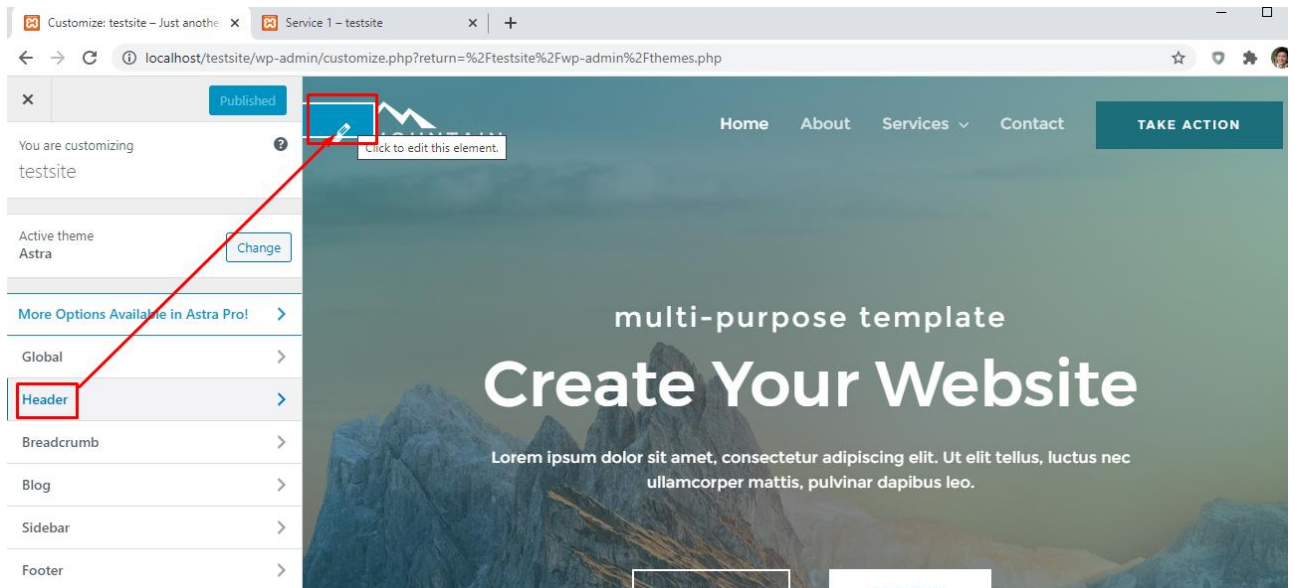
Elementor allows you to edit the main body of the web page.

But editing the Header and Footer of the page is not as easy.

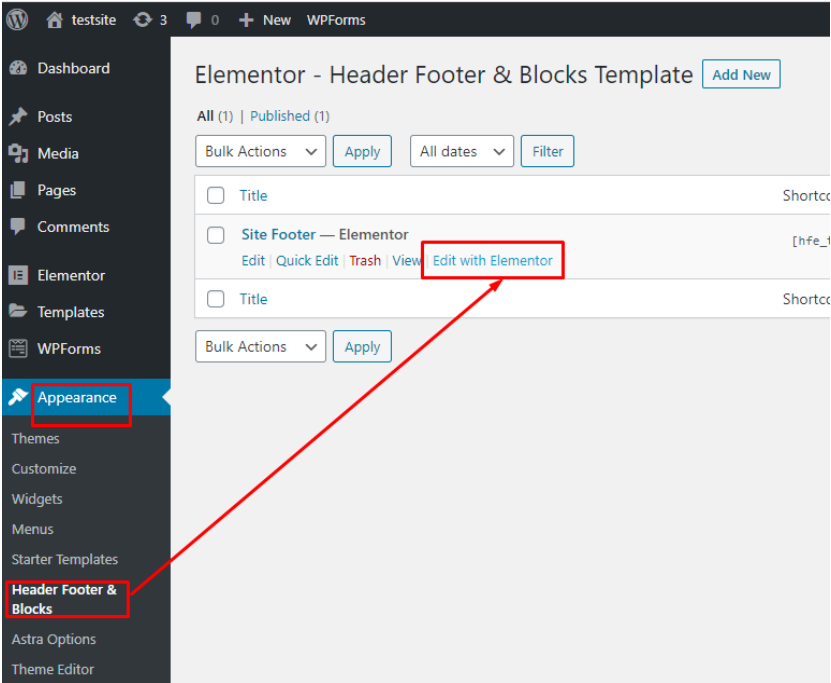


Mouse around and you will see a blue box appear at the logo and main buttons of the header.

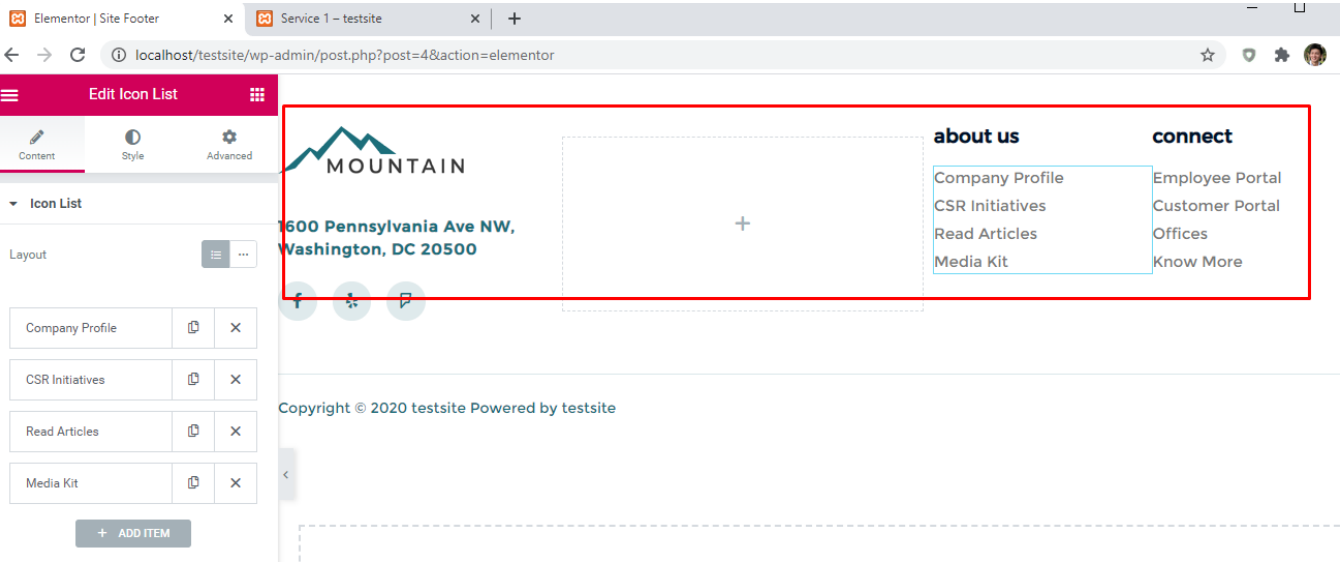
Click it to edit.



However, should you realize that the Footer cannot be edited (because the blue box doesn't appear), you can try below.



Everything can be edited as per normal in Elementor again



MOVING YOUR SITE FROM YOUR LAPTOP TO A LIVE SITE

- Once you have completed editing your site, its time to go live.
- However, its important to understand two terms first:
 - Domain Registration
 - Domain = Name of your Website (for example www.AlvinAng.sg)
 - It can be of many formats: anything like - mywebsite.com, or .in, or .net, or .org.
 - Domains aren't free and you have to pay and register for it.
 - However, many providers will give you a one-year free domain registration upon signing up with them.
 - Google around to see if your domain name has already been taken.
 - Hosting Account
 - A hosting account provides a space for storing your website files on the internet.
 - You can google for many web hosting services, many of them for a great bargain.
- Let's take for example this: <https://sg.godaddy.com/offers/wordpress-hosting>
- GoDaddy provides both Domain registration and Web Hosting at the same time (bundling it to give you better offer).
- GoDaddy is just one of the many web hosting providers.

STEP 1: REGISTER A DOMAIN AND SETUP A HOSTING ACCOUNT (PAYMENT!)

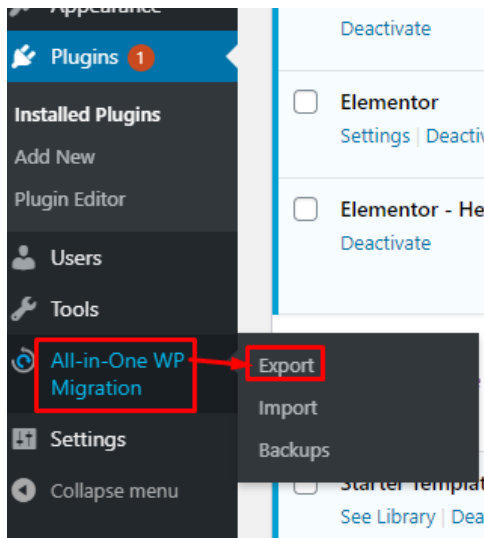
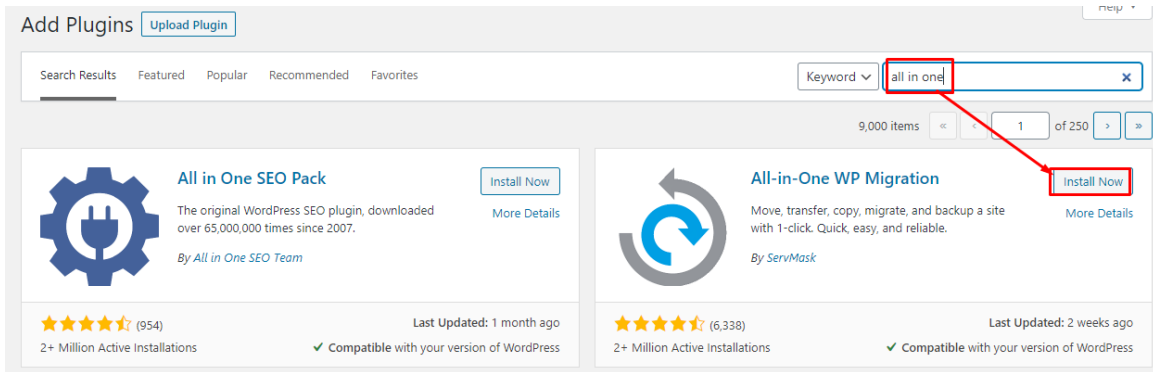
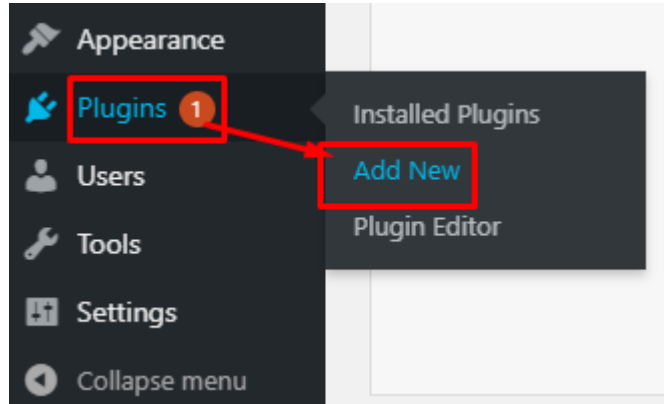
- Since the registering and payment details are fool-proof and straightforward, I will skip the explanations.

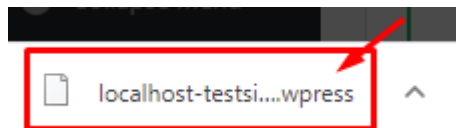
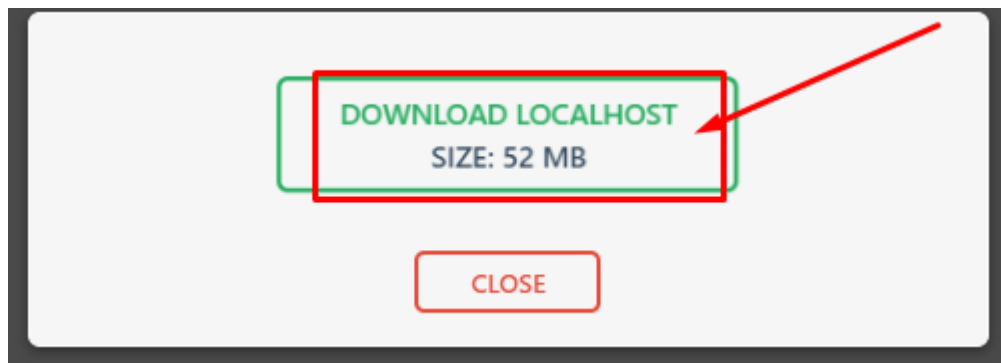
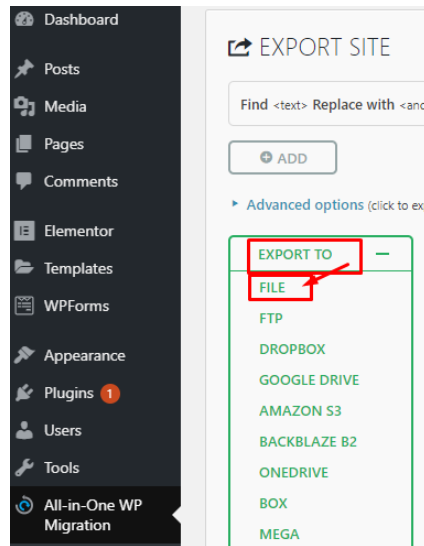
- However, should you wish to view the process, you may go here:
 - <https://youtu.be/E9YTRLm9SQs>
 - Note that this video tutorial also teaches you how to install WordPress onto your hosting site.

STEP 2: BRINGING IN YOUR WEBSITE FROM LAPTOP TO LIVE SITE

- Now you have WordPress installed on both your Laptop as well as Host site.
- You will need a plugin called “All In One WP Migration”.
- Install this plugin on both WordPress (laptop and host site).
- Thereafter, use that plugin to download the entire website (from your laptop) into a file.
- Then go to your live host site and use the same plugin to import that file.
- That’s it! Your entire site is now live!
- Once done, should you wish to continue editing your Live Site, just do this:
 - At your browser, type in: Yoursite.com/login
 - And you will be brought to your WordPress admin page.
 - Login to edit.
- Please see the following below for a step by step....

Go to both your WordPress (laptop + host site) and install the plugin “All In One WP Migration”





Likewise, simply go to your WordPress (which is installed on your Live Site), use the All In One Plugin to import the file.

That's it!

Your site is now live!

ABOUT THE AUTHOR

Dr. Alvin Ang earned his Ph.D., Masters and Bachelor degrees from NTU, Singapore. He is a scientist, entrepreneur, as well as a personal/business advisor. More about him at www.AlvinAng.sg.