Installation Steps -

Set up by video link

https://www.youtube.com/watch?v=LQD\_AMJ6kOQ

Download and install XAMPP

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https://www.apachefriends.org/download.html

Enable PHP extensions & Configure php.ini [PHP]

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Enable below extensions in the xampp/php/php.ini file:

;extension=gd

;extension=intl

;extension=soap

;extension=xsl

;extension=sockets

;extension=sodium

Change the limit of below keys in the xampp/php/php.ini file:

max\_execution\_time=3000

max\_input\_time=2000

memory\_limit=3G

Restart XAMPP

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Download and install

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From this website - https://getcomposer.org/download/

Download and run Elasticsearch

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https://www.elastic.co/elasticsearch/

Server configuration (Create virtual host)

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C:\xampp\apache\conf\extra\httpd-vhosts.conf

Add the below lines in the above file.

<VirtualHost \*:80>

DocumentRoot "C:/xampp/htdocs/mage2rock/pub"

ServerName mage2rock.magento.com

</VirtualHost>

<VirtualHost \*:80>

DocumentRoot "C:/xampp/htdocs"

ServerName localhost

</VirtualHost>

Then open the C:\Windows\System32\drivers\etc\hosts file in Notepad and add the below line at the bottom of the file.

127.0.0.1 mage2rock.magento.com( here you can write another url)

Restart XAMPP.

Download Magento

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composer create-project --repository-url=https://repo.magento.com/ magento/project-community-edition mage2rock

Public Key(username): (Copy from Magento website)

Private Key(password): (Copy from Magento website)

Create Database in phpmyadmin(http://localhost/phpmyadmin)

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Add the below line in this file - C:\xampp\htdocs\elasticsearch-8.7.0\config\elasticsearch.yml

xpack.security.enabled: false (this is disable the authentication)

Restart elastic-search.

Check elastic-search is working properly - curl -X GET 'http://localhost:9200'

Go to project root directory - cd mage2rock

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Install Magento

php bin/magento setup:install --base-url=http://mage2rock.magento.com --db-host=localhost --db-name=magento --db-user=root --db-password= --admin-firstname=admin --admin-lastname=admin --admin-email=admin@admin.com --admin-user=admin --admin-password=admin123 --language=en\_US --currency=USD --timezone=America/Chicago --use-rewrites=1 --search-engine=elasticsearch8 --elasticsearch-host="localhost" --elasticsearch-port=9200 --elasticsearch-enable-auth=true

Find the validateURLScheme function in

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vendor\magento\framework\Image\Adapter\Gd2.php file. at line 70.

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Replace the function with below code:

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private function validateURLScheme(string $filename) : bool

{

$allowed\_schemes = ['ftp', 'ftps', 'http', 'https'];

$url = parse\_url($filename);

if ($url && isset($url['scheme']) && !in\_array($url['scheme'], $allowed\_schemes) && !file\_exists($filename)) {

return false;

}

return true;

}

Go to: C:\xampp\htdocs\magento2.4\vendor\magento\framework\View\Element\Template\File - > Edit Validator.php using a text editor and find this line:

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Find this line

strpos($realPath, $directory)

Replace

strpos($path, $directory)

Then, Open up app/etc/di.xml in the editor, find the below line, and replace:

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“Magento\Framework\App\View\Asset\MaterializationStrategy\Symlink” replace

“Magento\Framework\App\View\Asset\MaterializationStrategy\Copy”

Now Execute Below Command:

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php bin/magento indexer:reindex (This **rebuilds the Magento indexers**. To improve frontend performance.)

php bin/magento setup:upgrade (This **applies database schema updates and runs module installation scripts**.)

php bin/magento setup:static-content:deploy -f (this updated a theme or frontend module, and changes reflected on the website.)

php bin/magento cache:flush (This **flushes (clears) all Magento caches**.)

php bin/magento se:di:com (This command generates factory, proxy, and other classes needed for dependency injection (DI))

// optional

php bin/magento module:disable Magento\_TwoFactorAuth

php bin/magento module:disable Magento\_AdminAdobeImsTwoFactorAuth

php bin/magento module:disable Magento\_TwoFactorAuth

In \xampp\apache\conf\extra\httpd-xampp.conf

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Find:

LoadFile "/xampp/php/php7ts.dll"

LoadFile "/xampp/php/libpq.dll"

LoadModule php7\_module "/xampp/php/php7apache2\_4.dll"

Add:

LoadFile "/xampp/php/libsodium.dll"

// url

Backend url

agricart.local/admin\_1q65so

if coming this error

Warning: file\_put\_contents(C:/xampp/htdocs/Agricart-backend/generated/metadata/primary|global|plugin-list.php): Failed to open stream: No such

file or directory in C:\xampp\htdocs\Agricart-backend\vendor\magento\framework\Interception\PluginListGenerator.php on line 411

C:\xampp\htdocs\Agricart-backend\vendor\magento\framework\Interception\PluginListGenerator.php

$cacheId = implode('-', $this->scopePriorityScheme) . "-" . $this->cacheId;

// practice link

https://meetanshi.com/blog/magento-2-module-development/