Pixer - React Laravel Multivendor Digital Marketplace Documentation

> For updated doc, please follow our online doc,

https://pixer-doc.vercel.app/

Introduction

Fastest and secure digital assets selling E-commerce app built with `Laravel`, `React`, `NextJS`, `TypeScript` and `Tailwind CSS`. Its very easy to use, we use `axios` and `react-query` for data fetching . You can setup your api endpoint's very easily and your frontend team will love using it.

Navigation

You can find different topics in the table of contents. On desktop, you should see it in the left sidebar. On mobile, you should see it after pressing an icon with Hamberger in the top right corner.

Supported Platforms For Local Development

- Compatible Browsers (Firefox, Safari, Chrome, Edge)
- Server(Node.js 12.13.0 or later)
- MacOS, Windows, and Linux are supported

Requirements

- node(12.13.0 or later)
- yarn
- PHP 7.4
- MySQL 8
- ext_curl
- editor: Visual Studio Code(recommended)

Tech We Have Used

We have used monorepo folder structure with Yarn Workspace. In our app we have three different services:

- api
- shop
- admin

Tech specification for specific part is given below:

Admin Dashboard

- NextJs
- Typescript
- Tailwindcss
- React Hook Form
- React-Query

Shop Frontend

- NextJs
- Typescript
- Tailwindcss
- React Hook Form
- React-Query
- Next SEO
- Next PWA

API

- Laravel

For getting started with the template you have to follow the below procedure. For quick guide you can check below videos for installation.

Prerequisites

- PHP 7.4
- Composer
- Xamp/Wamp/Lamp for any such application for apache, nginx, mysql
- PHP plugins you must need
  - simplexml
  - PHP's dom extension
  - mbstring
  - GD Library

Frontend

- node(12.13.0 or later)
- yarn
- editor: Visual Studio Code(recommended)

Getting Started

- First download the file from codecanyon.
- Unzip the downloaded file and folder structure you get

```
pixer
|-- pixer-api
|-- admin
|-- shop
```

- From the above folder structure you should notice that our app has three parts `pixer-api`, `shop` and `admin`. So you have to run all the parts separately and sequentially.

- Getting started with api

- Make sure you have run xamp/mamp/wamp/lamp for mysql and php

- Create a database in your mysql and put those info in next step
- Rename .env.example file to .env and provide necessary credentials. Like database credentials stripe credentials, s3 credentials(only if you use s3 disk) admin email shop url etc.
  Specially check for this `env` variables

```
DB_HOST=localhost
DB_DATABASE=pickbazar_laravel
DB_USERNAME=root
DB_PASSWORD=
```

- Run `composer install`

```
▶ composer install
Installing dependencies from lock file (including require-dev)
Verifying lock file contents can be installed on current platform.
```

```
Generating optimized autoload files
```

```
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: barryvdh/laravel-dompdf
Discovered Package: bensampo/laravel-enum
Discovered Package: cviebrock/eloquent-sluggable
Discovered Package: facade/ignition
Discovered Package: fideloper/proxy
Discovered Package: fruitcake/laravel-cors
Discovered Package: ignited/laravel-omnipay
Discovered Package: intervention/image
Discovered Package: laravel/legacy-factories
Discovered Package: laravel/sail
Discovered Package: laravel/sanctum
Discovered Package: laravel/tinker
Discovered Package: mll-lab/laravel-graphql-playground
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Discovered Package: nuwave/lighthouse
Discovered Package: pickbazar/shop
Discovered Package: prettus/l5-repository
Discovered Package: spatie/laravel-medialibrary
Discovered Package: spatie/laravel-permission
Package manifest generated successfully.
95 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
```

- run `php artisan key:generate`

```
▶ php artisan key:generate

Application key set successfully.
```

- Run `php artisan marvel:install` and follow necessary steps.

```
Installing Pickbazar Dependencies...
```

```
 Do you want to migrate Tables? If you have already run this command or migrated tables then be aware, it will erase all of your data. (yes/no) [no]:
 > yes

Migrating Tables Now....
Dropped all tables successfully.
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated:  2014_10_12_000000_create_users_table (79.70ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated:  2014_10_12_100000_create_password_resets_table (58.57ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated:  2019_08_19_000000_create_failed_jobs_table (79.56ms)
Migrating: 2019_12_14_000001_create_personal_access_tokens_table
Migrated:  2019_12_14_000001_create_personal_access_tokens_table (143.06ms)
Migrating: 2020_04_17_194830_create_permission_tables
Migrated:  2020_04_17_194830_create_permission_tables (839.79ms)
Migrating: 2020_06_02_051901_create_pickbazar_tables
Migrated:  2020_06_02_051901_create_pickbazar_tables (1,601.56ms)
Migrating: 2020_10_26_163529_create_media_table
Migrated:  2020_10_26_163529_create_media_table (71.72ms)
Tables Migration completed.

 Do you want to seed dummy data? (yes/no) [no]:
 > yes

Copying necessary files for seeding....
File copying successful
Seeding....
Seed completed successfully!

 Do you want to create an admin? (yes/no) [no]:
 > no

Copying resources files...
Installation Complete
```

- For image upload to work properly you need to run `php artisan storage:link`.

```
The [/var/www/html/public/storage] link has been connected to [/var/www/html/storage/app/public].
The links have been created.
```

- run `php artisan serve`

```
▶ php artisan serve
Starting Laravel development server: http://127.0.0.1:8000
[Sat Apr 10 16:35:26 2021] PHP 8.0.0 Development Server (http://127.0.0.1:8000) started
```

> NB: your frontend `NEXT_PUBLIC_REST_API_ENDPOINT` env value will be `localhost:8000/`

For MAC and Linux(with sail and docker)

There is an alternate installation procedure for linux and mac. You can follow below procedure to getting started with `sail`

Prerequisites

- Docker

Installation Mac

REST API

- Run Docker application first
- Now go to your pixer-laravel root directory and run `bash install.sh`. It will guide you through some process. Follow those steps carefully and your app will be up and running
- Navigate to `pixer-api` then `sail down` to stop

the container. If you want to remove the volumes then `sail down -v`

> NB: your frontend `NEXT_PUBLIC_REST_API_ENDPOINT` env value will be `localhost/`

> For details api doc and requirements details you can go to Laravel API

Getting Started with Frontend

After configuring API & running it successfully you can choose the directory where you need to work

Below are the directories where you will choose to work for frontend stuffs

```
cd admin

cd shop
```

After choosing your working directory

Go to specific folder and rename the `.env.template` ⇒ `.env` and put your api endpoint here. You will find `.env.template` file at the root of your `admin` or `shop`

Run yarn at the root directory.

```
# on pixer/root directory
yarn
```

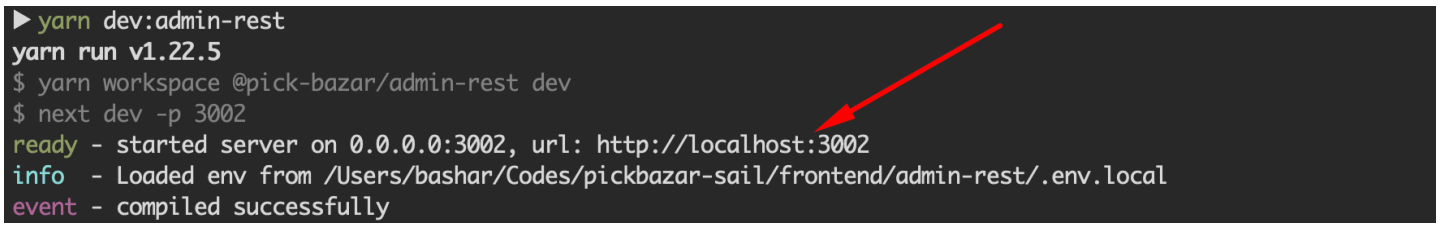
Scripts To Run the fronted App

For Admin :

For starting the admin dashboard part with corresponding api data run below commands.

- using workspace (At the root of the pixer directory, you can run the below commands)

```
# for dev mode run below command
yarn dev
```



- without workspace(if you want to run the command within specific project root of `admin/{chosen-directory-name}`)

```
# for dev mode run below command
yarn dev
```

This command will run the app in development mode. Open the suggested url in your terminal. like ⇒ http://localhost:3000 .

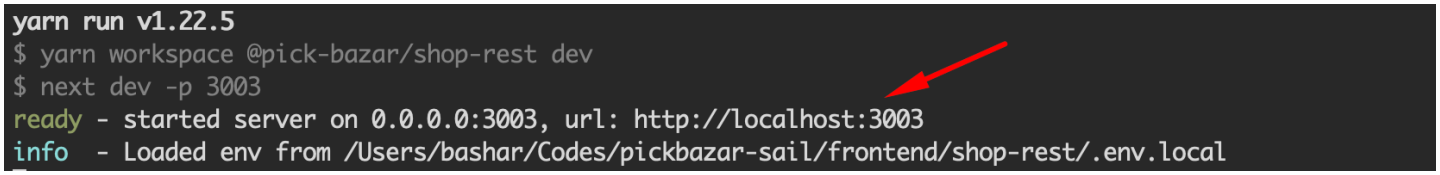
** Note: **

- The page will automatically reload if you make changes to the code. You will see the build errors and lint warnings in the console.
- If you saw any error while running make Sure you setup your API endpoint properly at `.env` file.

For Shop :

- using workspace (At the root of the pixer directory, you can run the below commands)

```
# for dev mode run below command
yarn dev:shop-rest
```



- without workspace(if you want to run the command within specific project root of `shop`)

```
yarn dev
```

** If you want to test your production build admin or shop in local environment then run the below commands. **

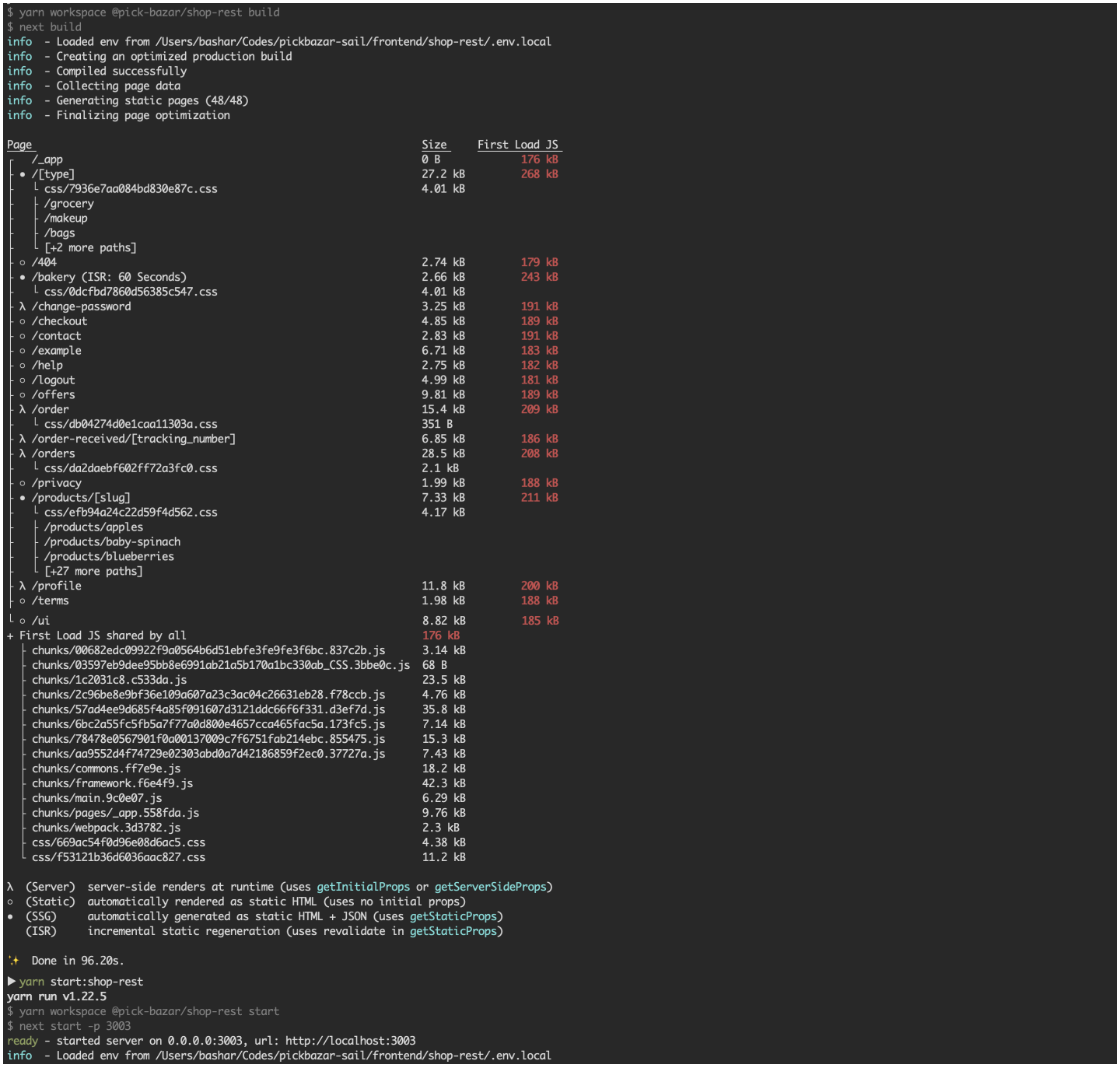
- **Admin (At the root of the pixer directory, you can run the below commands)**

```
# build admin for production
yarn build

#start admin in production mode
yarn start
```

- **Shop (At the root of the pixer directory, you can run the below commands)**

```
# build shop for production
yarn build

# start shop in production mode
yarn start
```

```
▶ yarn build:shop-rest
yarn run v1.22.5
```



```
$ yarn workspace @pick-bazar/shop-rest build
$ next build
info  - Loaded env from /Users/bashar/Codes/pickbazar-sail/frontend/shop-rest/.env.local
info  - Creating an optimized production build
info  - Compiled successfully
info  - Collecting page data
info  - Generating static pages (48/48)
info  - Finalizing page optimization

Page                                                       Size     First Load JS
┌   /_app                                                 0 B            176 kB
├ ● /[type]                                               27.2 kB        268 kB
├   └ css/7936e7aa084bd830e87c.css                        4.01 kB
├   ├ /grocery
├   ├ /makeup
├   ├ /bags
├   └ [+2 more paths]
├ ○ /404                                                  2.74 kB        179 kB
├ ● /bakery (ISR: 60 Seconds)                             2.66 kB        243 kB
├   └ css/0dcfbd7860d56385c547.css                        4.01 kB
├ λ /change-password                                      3.25 kB        191 kB
├ ○ /checkout                                             4.85 kB        189 kB
├ ○ /contact                                              2.83 kB        191 kB
├ ○ /example                                              6.71 kB        183 kB
├ ○ /help                                                 2.75 kB        182 kB
├ ○ /logout                                               4.99 kB        181 kB
├ ○ /offers                                               9.81 kB        189 kB
├ λ /order                                                15.4 kB        209 kB
├   └ css/db04274d0e1caa11303a.css                        351 B
├ λ /order-received/[tracking_number]                     6.85 kB        186 kB
├ λ /orders                                               28.5 kB        208 kB
├   └ css/da2daebf602ff72a3fc0.css                        2.1 kB
├ ○ /privacy                                              1.99 kB        188 kB
├ ● /products/[slug]                                      7.33 kB        211 kB
├   └ css/efb94a24c22d59f4d562.css                        4.17 kB
├   ├ /products/apples
├   ├ /products/baby-spinach
├   ├ /products/blueberries
├   └ [+27 more paths]
├ λ /profile                                              11.8 kB        200 kB
├ ○ /terms                                                1.98 kB        188 kB
└ ○ /ui                                                   8.82 kB        185 kB
+ First Load JS shared by all                             176 kB
  ├ chunks/00682edc09922f9a0564b6d51ebfe3fe9fe3f6bc.837c2b.js      3.14 kB
  ├ chunks/03597eb9dee95bb8e6991ab21a5b170a1bc330ab_CSS.3bbe0c.js  68 B
  ├ chunks/1c2031c8.c533da.js                             23.5 kB
  ├ chunks/2c96be8e9bf36e109a607a23c3ac04c26631eb28.f78ccb.js      4.76 kB
  ├ chunks/57ad4ee9d685f4a85f091607d3121ddc66f6f331.d3ef7d.js      35.8 kB
  ├ chunks/6bc2a55fc5fb5a7f77a0d800e4657cca465fac5a.173fc5.js      7.14 kB
  ├ chunks/78478e0567901f0a00137009c7f6751fab214ebc.855475.js      15.3 kB
  ├ chunks/aa9552d4f74729e02303abd0a7d42186859f2ec0.37727a.js      7.43 kB
  ├ chunks/commons.ff7e9e.js                              18.2 kB
  ├ chunks/framework.f6e4f9.js                            42.3 kB
  ├ chunks/main.9c0e07.js                                 6.29 kB
  ├ chunks/pages/_app.558fda.js                           9.76 kB
  ├ chunks/webpack.3d3782.js                              2.3 kB
  ├ css/669ac54f0d96e08d6ac5.css                          4.38 kB
  └ css/f53121b36d6036aac827.css                          11.2 kB

λ  (Server)  server-side renders at runtime (uses getInitialProps or getServerSideProps)
○  (Static)  automatically rendered as static HTML (uses no initial props)
●  (SSG)     automatically generated as static HTML + JSON (uses getStaticProps)
   (ISR)     incremental static regeneration (uses revalidate in getStaticProps)

✨  Done in 96.20s.
▶ yarn start:shop-rest
yarn run v1.22.5
$ yarn workspace @pick-bazar/shop-rest start
$ next start -p 3003
ready - started server on 0.0.0.0:3003, url: http://localhost:3003
info  - Loaded env from /Users/bashar/Codes/pickbazar-sail/frontend/shop-rest/.env.local
```

** Note **:

Please see `package.json` file for other builtin helper commands.

- For development purpose we use yarn workspace

  if you want to use it then see the

if you want to use it then see the `package.json` file at root, for various workspace specific command.

- if you prefer single template then just copy the required template folder and separate them. you'll find their `package.json` file within them and follow the command for dev, build, start.

For further development & customization check our Frontend Customization guide.

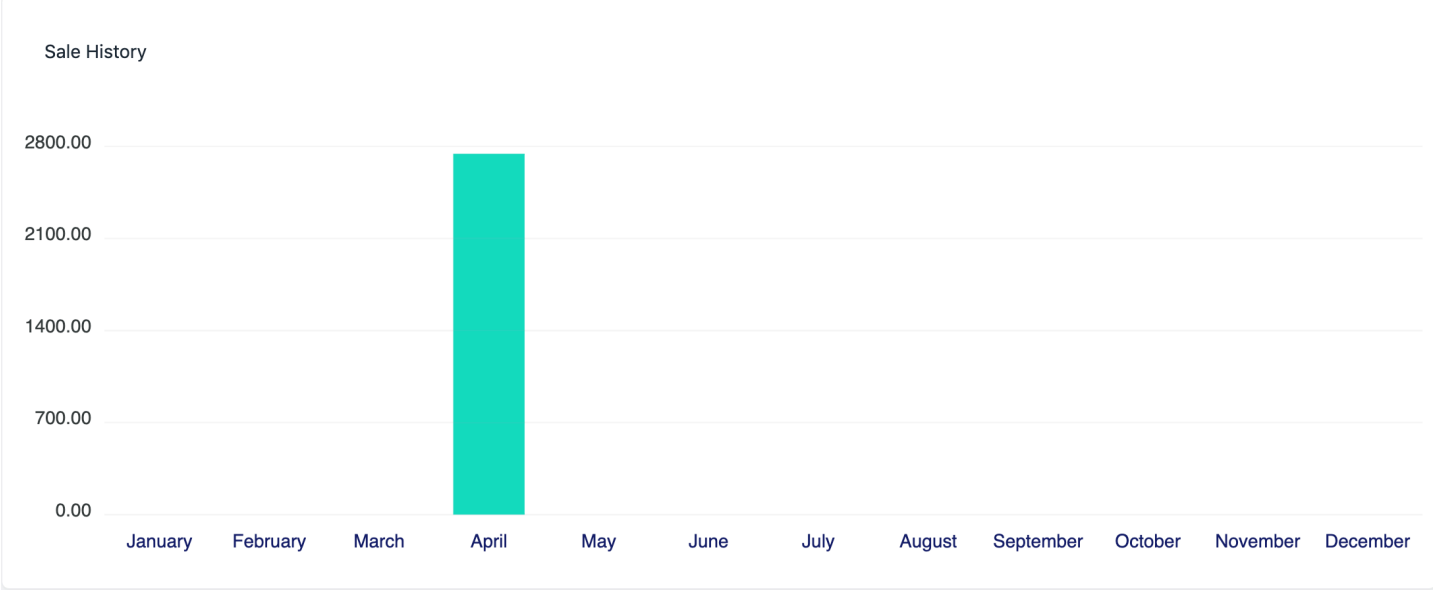
Admin dashboard

Applications Dashboard

- ## Analytics Dashboard

You will get a complete analytics dashboard to know the overview of your shop.

Total Revenue (Last 30 Days)	Total Order (Last 30 Days)	New Customer (Last 30 Days)	Todays Revenue
$7,844.05	25	16	$0.00



Recent Orders

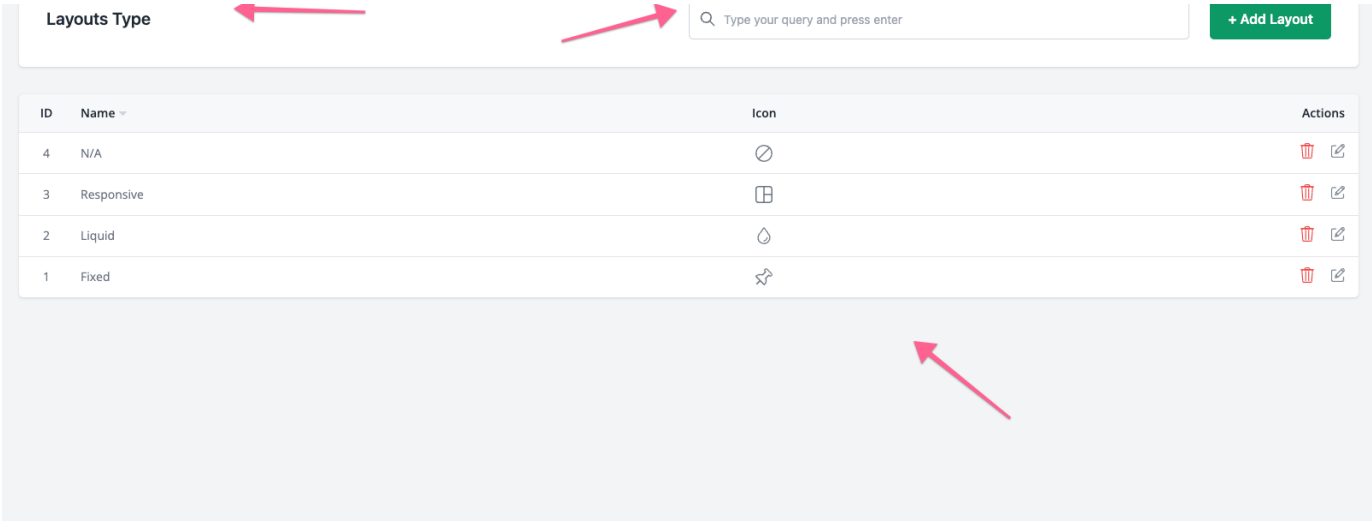
Tracking Number	Total	Order Date	Status
GkszijsVAcae	$2,744.33	5 days ago	Order Received
lrrdghqshkys	$1,748.30	14 days ago	Order Dispatched
iTUVhT87QdE8	$526.98	17 days ago	Order Dispatched
A9mvTnzhGxkc	$294.49	17 days ago	Order Received
BlOnTtmsHHHE	$12.80	17 days ago	Order Received
rulb1kz4UllN	$2.45	19 days ago	Shipment Refused by Consignee
NqlykeIW6awe	$97.80	18 days ago	Delivered
TfzYmld1AR32	$18.00	18 days ago	Ready To Dispatch
PXqs8RXQBGm5	$7.20	19 days ago	Delivered
K2isul12Cetf	$540.00	19 days ago	Ready To Dispatch

Popular Products

ID	Name	Group	Shop	Price/Unit	Quantity
51	Borobazar React Next Grocery Template	Fixed	BentaSoft	$69.00	500
50	Scholar Multipurpose Education WordPress The	Liquid	Bitronic	$79.00	500
52	ShppingPro Joomla Template	Responsive	Imagineco	$100.00	500
49	ChawkBazar Laravel Flutter Mobile App	Responsive	Omnico Team	$39.00	500
19	Blogsy Agency Blog Theme	Responsive	Maxicon Soft Tech	$79.00	500
40	Addingly Modern WordPress Theme	Responsive	Bitronic	$35.00	500
41	Shippipro Rental Laravel Script	Fixed	Temper studios	$69.00	500
39	Addingpro Charity Template	N/A	Omatron	$29.00	500
38	Superprops 2.0 Shopify WordPress Theme	Fixed	Imagineco	$55.00	500
21	Sootify Laravel Wireframe Kits	N/A	BentaSoft	$49.00	500

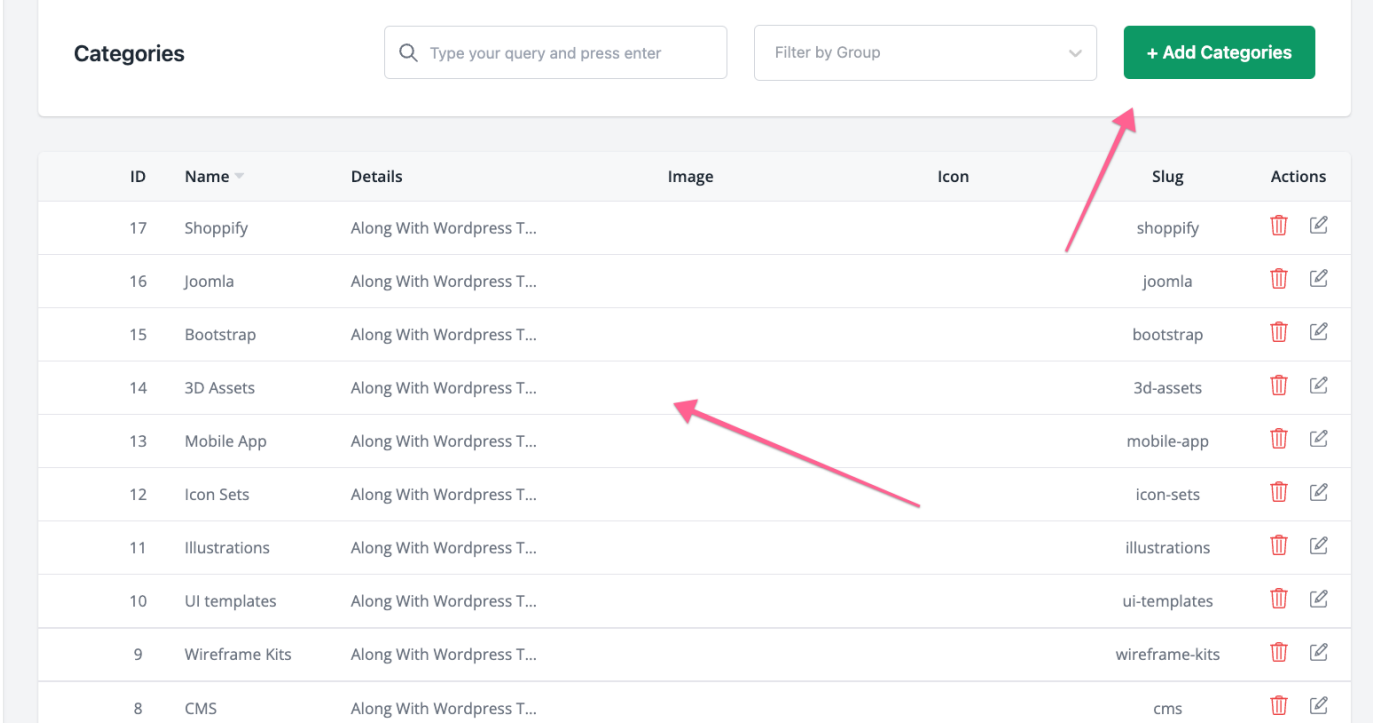
- # Manage Layout Type

In `Layout Types` menu you will get the product types and you can add, remove or modify product type from there.



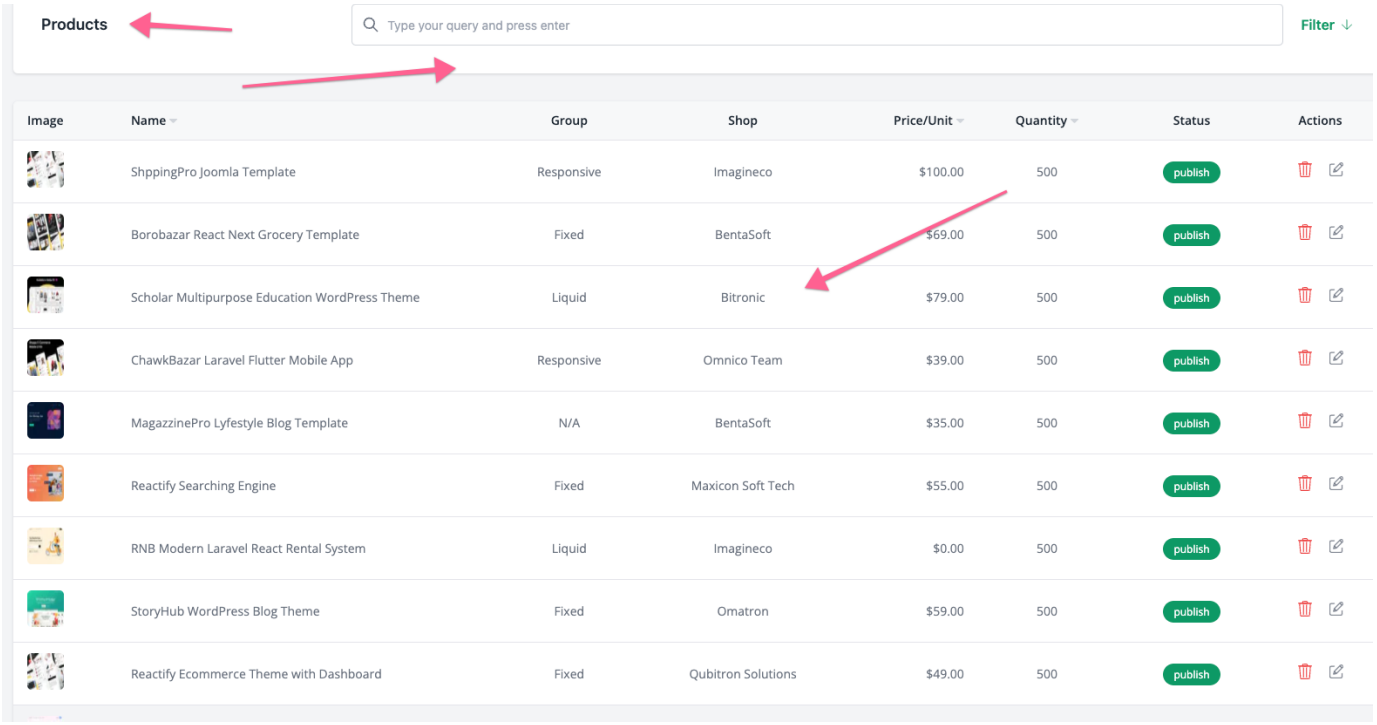
- # Manage Product Category

In `Categories` menu you will get the product types and you can add, remove or modify product categories from there.

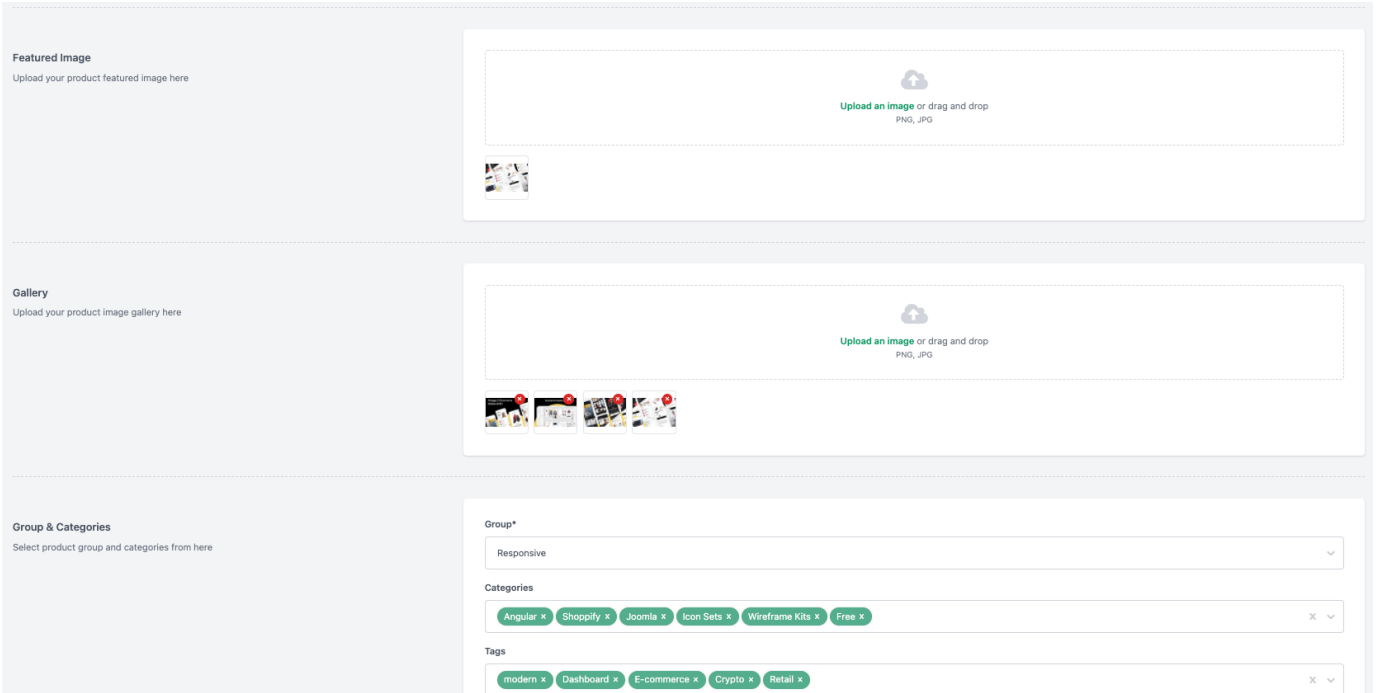


- # Product Management

In `Products` menu you will get the products and you can add, remove or modify products from there.



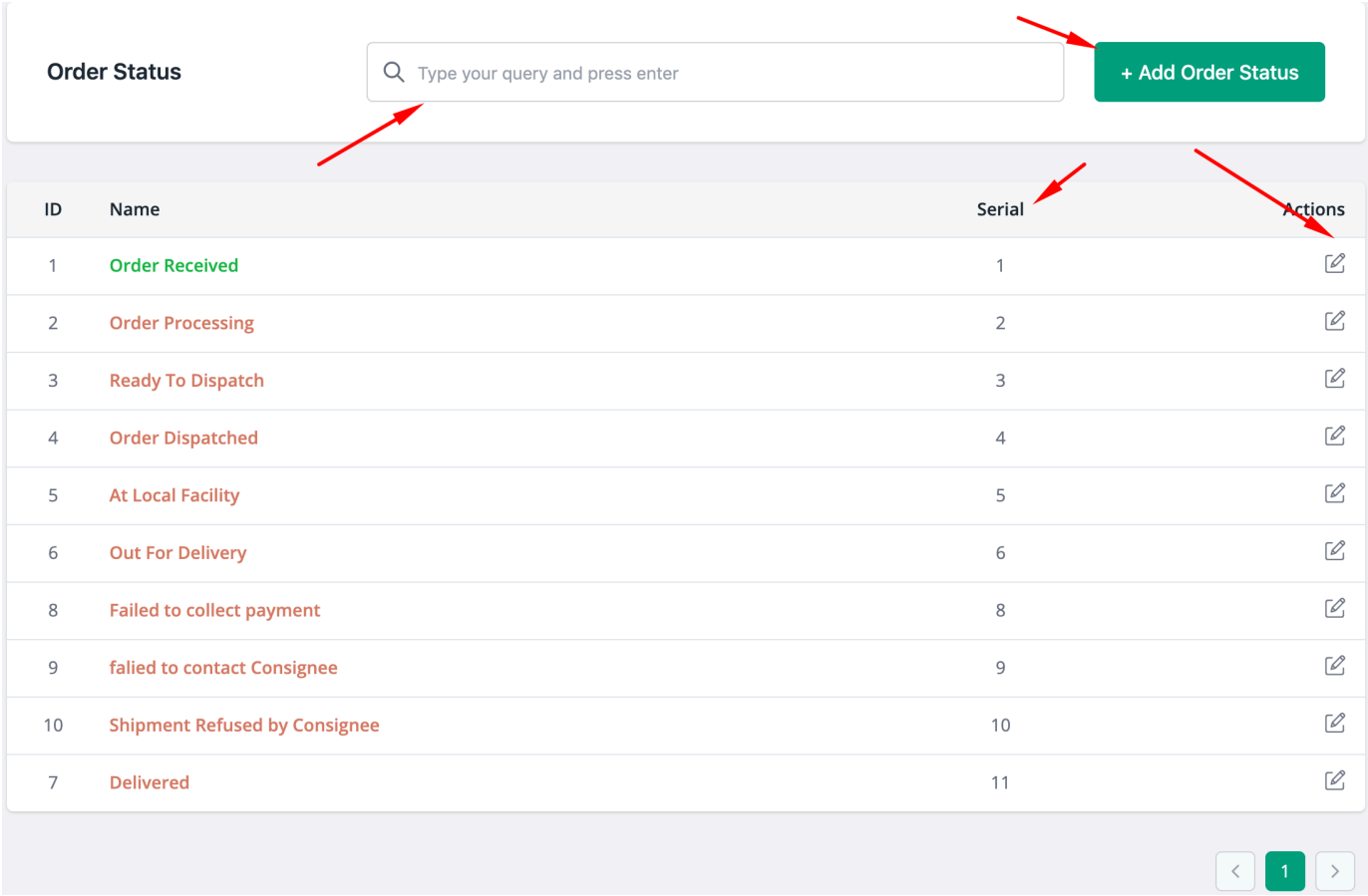
- A portion of product form



Order Status

- Order Status

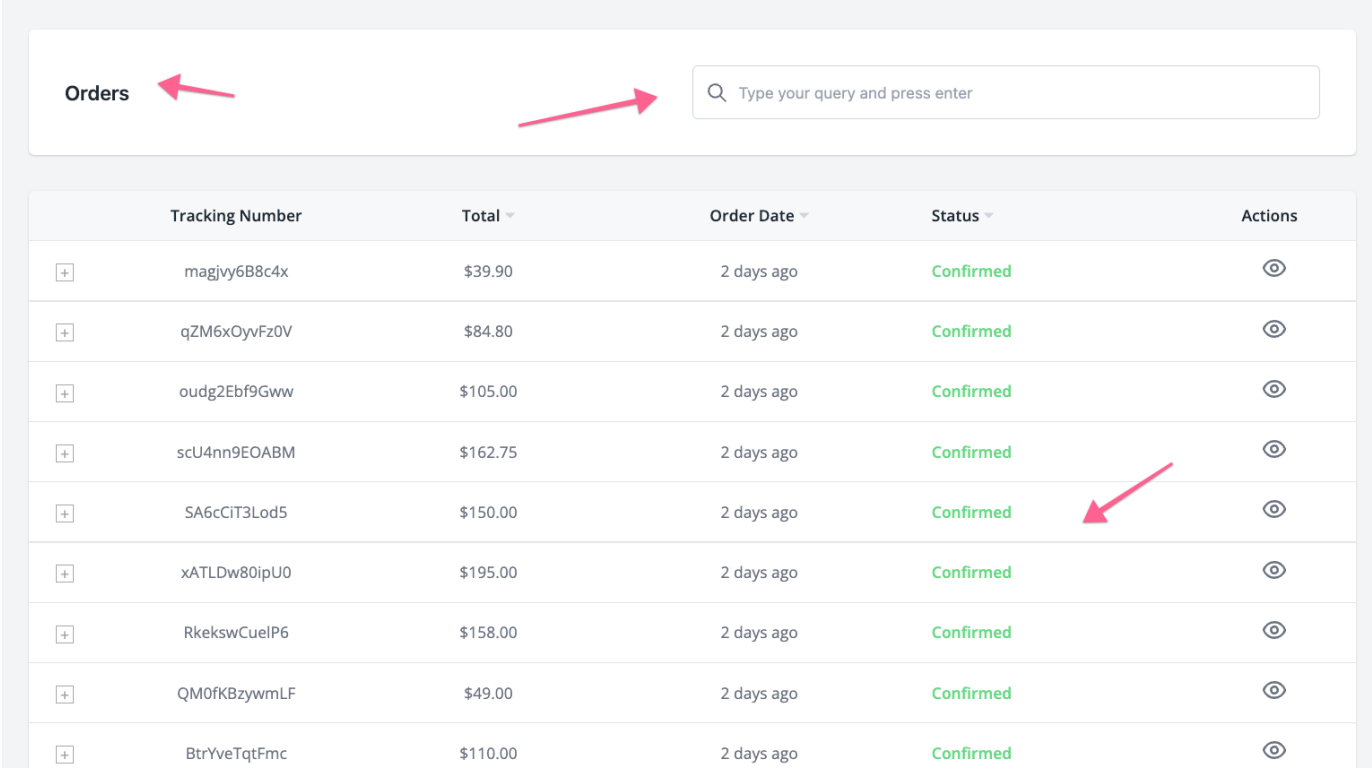
In `Order Status` menu you will get the order status list and you can add, remove or modify order status from there.



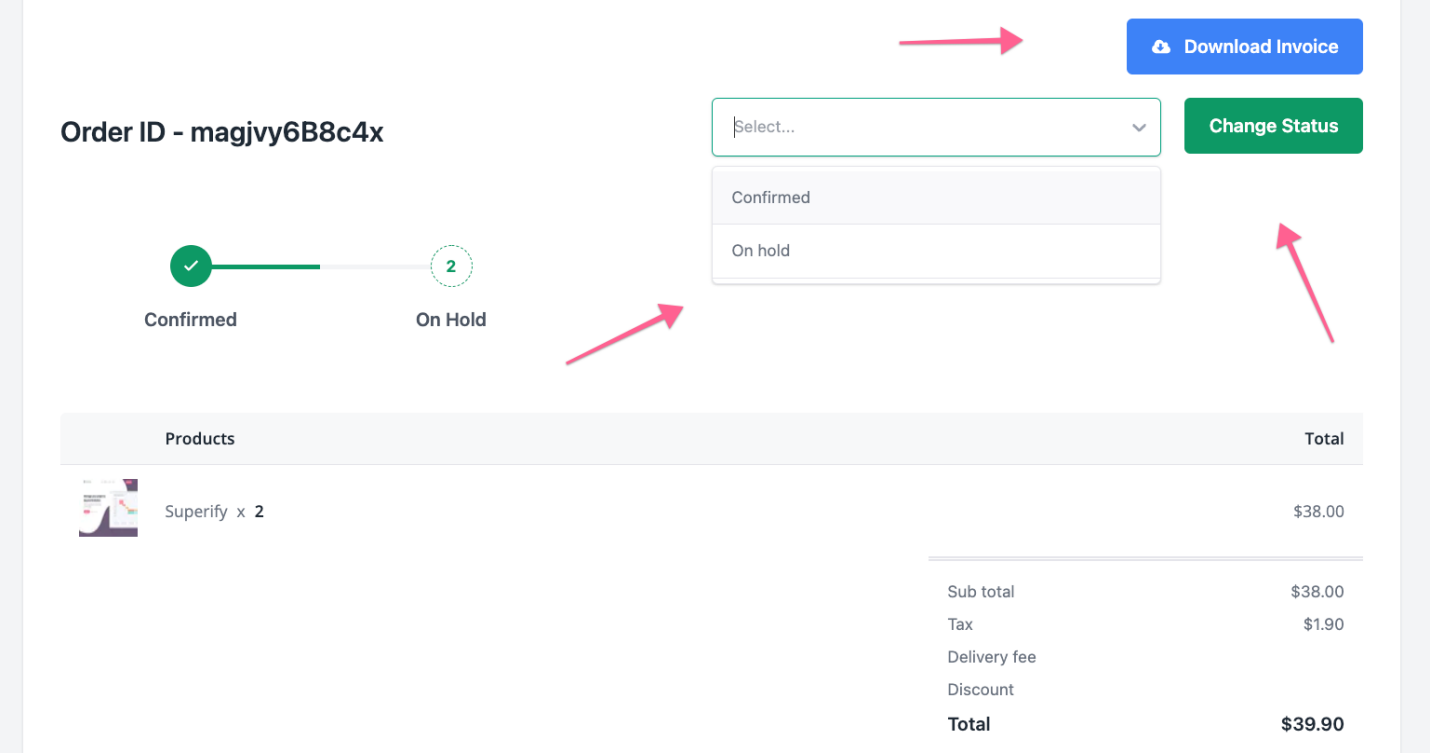
Order Management

In `Order` menu you will get the order list and

In `order` menu you will get the order list and you can add, remove or modify order from there.

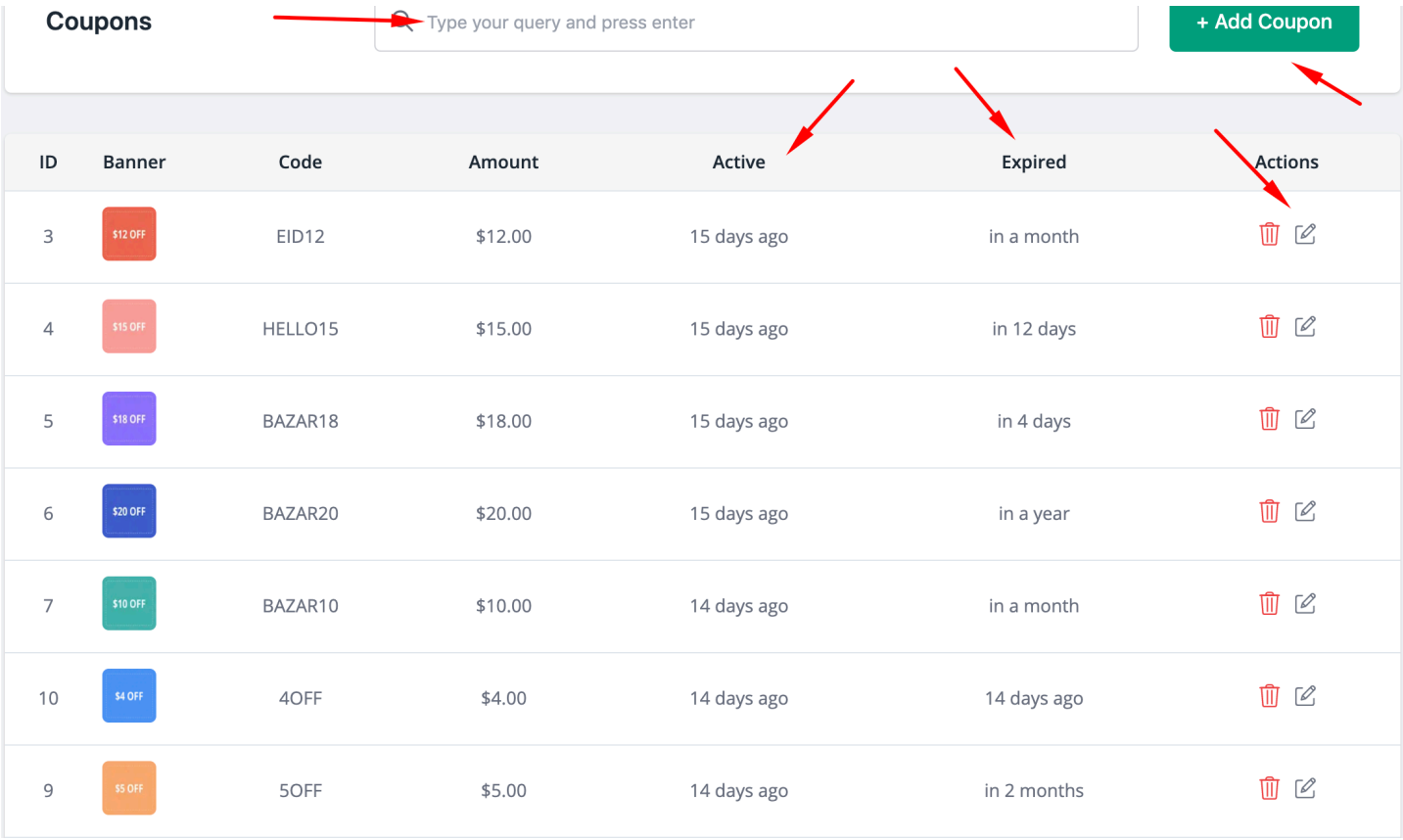


- A portion of order management. Order status change.



←!— ## Coupon Management

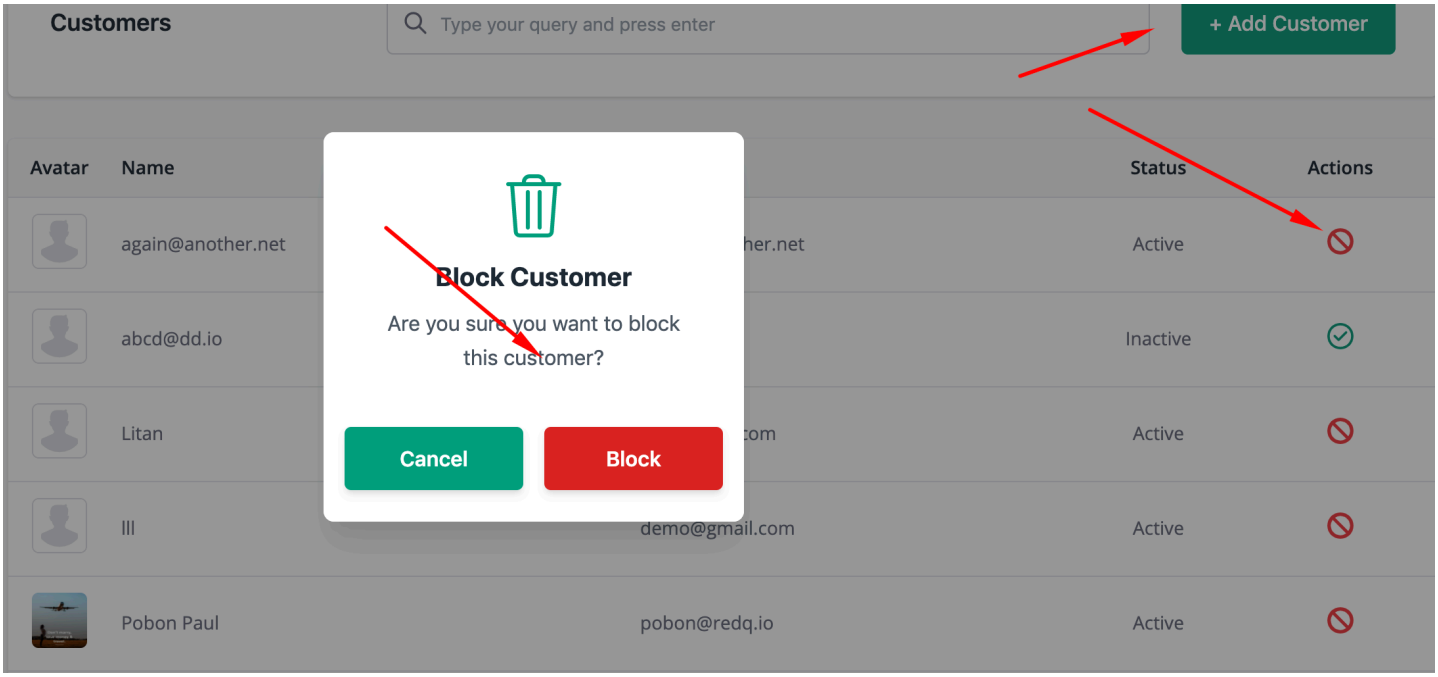
In `Coupon` menu you will get the Coupon list and you can add, remove or modify Coupon from there.



⟶

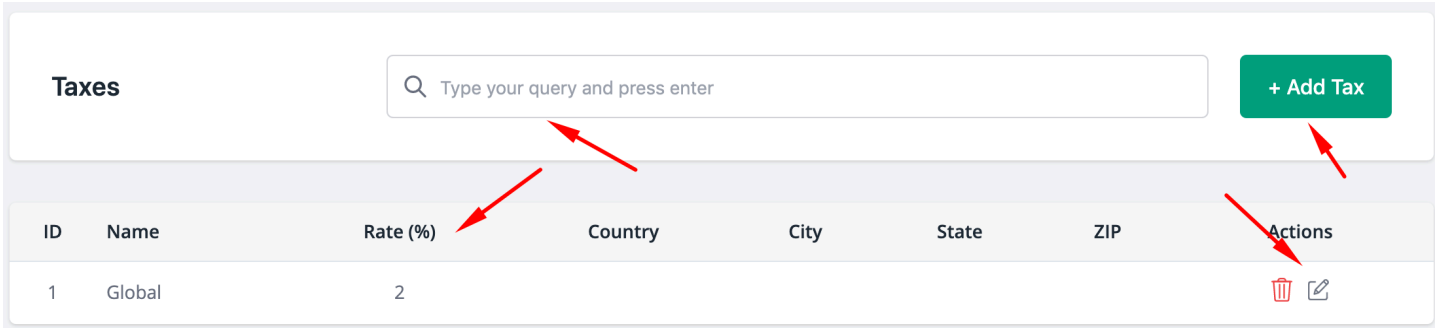
Customer Management

In `Customer` menu you will get the Customer list and you can add, remove or modify Customer from there.



Tax Management

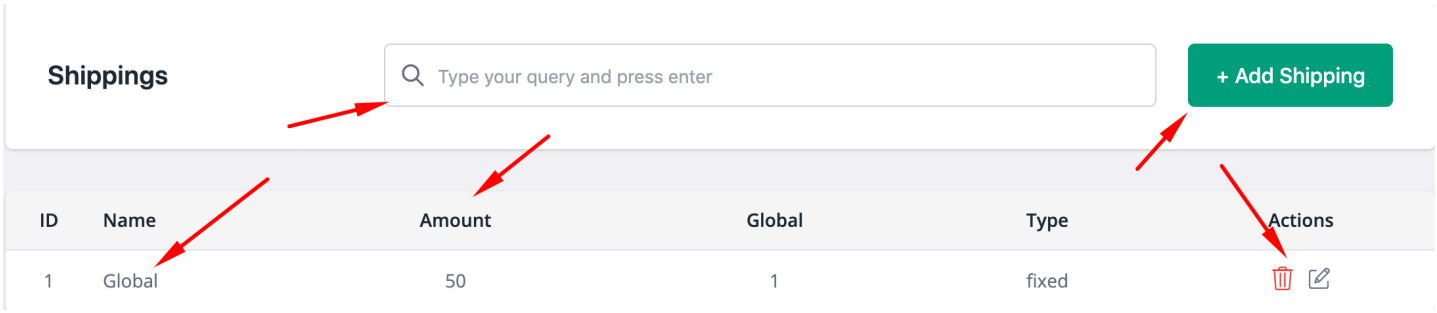
In `Tax` menu you will get the Tax list and you can add, remove or modify Tax from there.



Shipping Management

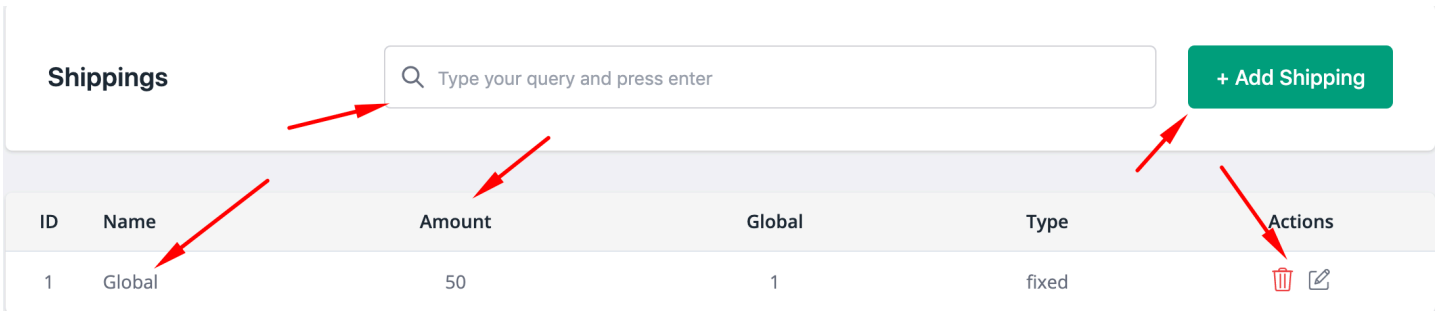
Shipping Management

In `shipping` menu you will get the shipping list and you can add, remove or modify shipping from there.



Shipping Management

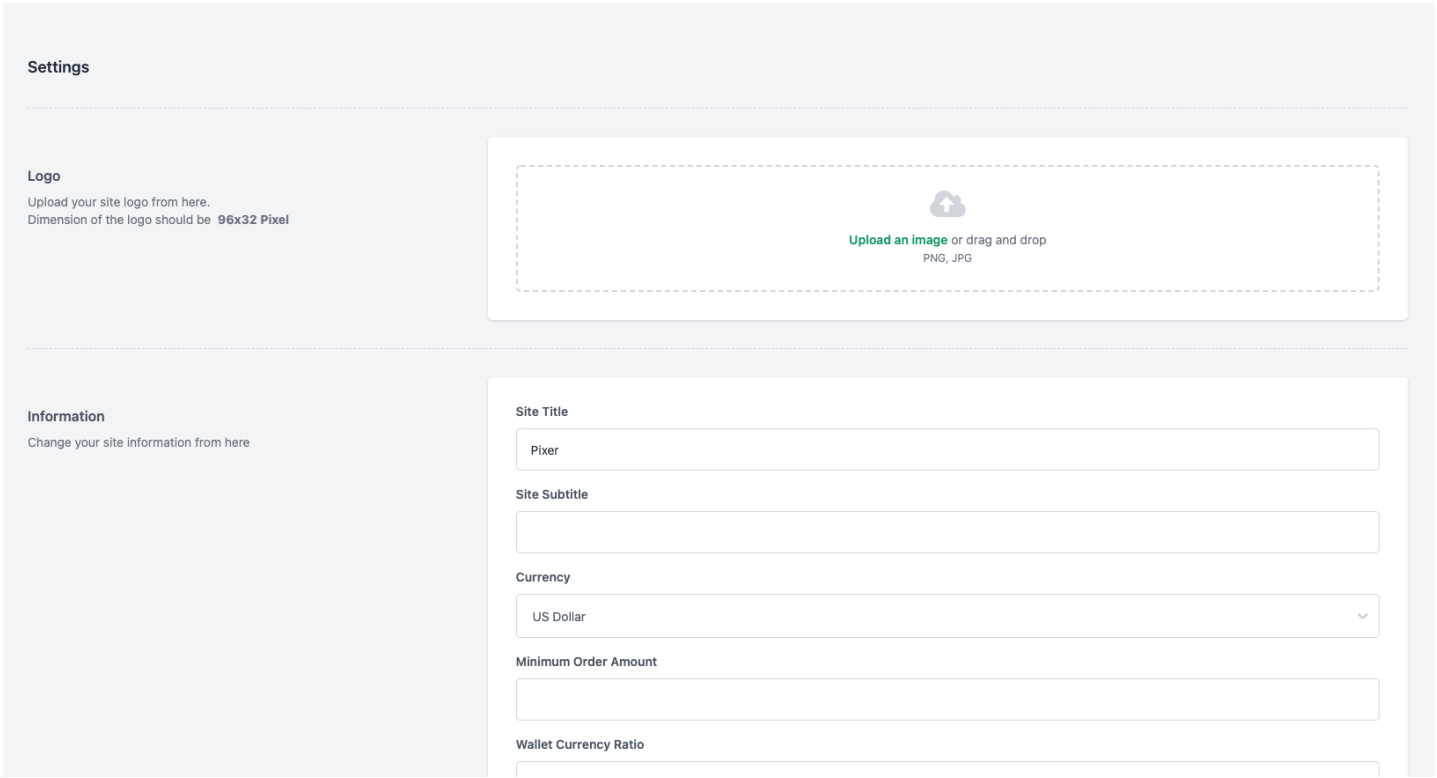
In `shipping` menu you will get the shipping list and you can add, remove or modify shipping from there.

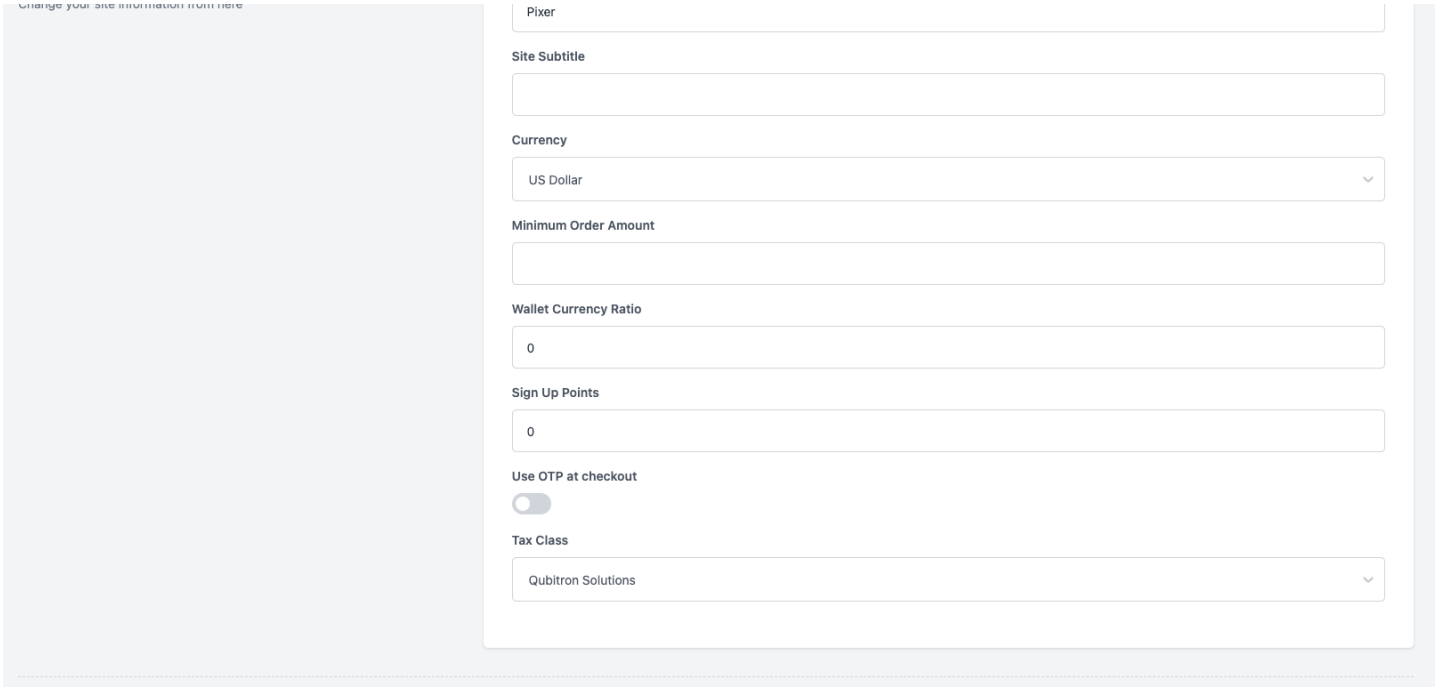


Settings Management

Settings Management

In `settings` menu you will get the settings management form there.





Available Scripts:

You can run below commands in the root folder for your need.

- **Shop**

```
"clean": "rimraf \"{node_modules,.next,.cache}\"",
"dev": "next dev",
"build": "next build",
"start": "next start",
"lint": "next lint",
"prepare": "husky install"
```

- **Admin**

```
"dev": "next dev -p 3002",
"build": "next build",
"start": "next start -p 3002"
```

For customizing the template's default site settings:

> [your-frontend-project] = `admin` or `shop`

- To setup you site's basic information like

[Logo,Site title,Description, Menus,etc] go to → `src/settings/site-settings.ts` file

- To customize tailwind configuration go to → `tailwind.config.js` file.
- `/public`: To change your app `favicon images` here.
- `/src/assets`: We managed our css & images in this directory.
- `/src/components`: This folder contains all the app related components.
  - `auth`: In this folder we contains our auth components and logics.
  - `cart`: Here you will find all of our cart & checkout components, utilities function, context api and etc.
  - `drawer-views`: We managed all of our side Drawer's view, context api & drawer UI in this folder.

    - `modal-views`: We managed all of our modal's view, context api & modal UI in this folder.
    - `icons`: Our app's custom svg icons components directory, if you need any then add your custom svg icon components here.
    - `product`: All the product related card, popup, loaders, description etc components in this folder.
    - `search`: Search handler, Search Popup & Results related components are here.
    - `shop`: Shop related components are goes in this folder.
    - `ui`: This folder contains common reusable ui components.
- `/src/config`: This folder contains all necessary configuration related for this app. Like `env, routes` etc.

- `/src/data`: It's contain all the data fetching

related codes along side with our app's static data.

    - `/src/data/static`: Here you can find our terms, privacy, help, licensing data and in the `site-settings.ts` file we manage our dark & light mode logo along side with our explore page carousel images.

- `/src/layout`: It's contain all layouts and layout's related components like `header, bottom navigation, sidebar, container and etc`.
- `/src/lib` : This folder contains `constants, hooks, framer motion & general utils functions`.
- `/src/pages`: All the pages created here which is used by nextjs routing mechanism.
- `/src/types`: Reusable function & component's types are located in this folder.

NOTE ** Some of these options are customizable

through ADMIN Dashboard.

CSS styles:

> “
> [your-frontend-project] = `admin` or `shop`

We use tailwindcss framework with some customization which you find at :

```
open [your-frontend-project]/tailwind.config.js
```

For tailwindcss documentation:

Go to Tailwindcss

Icons:

Icons

for our icons

```
open [your-frontend-project]/src/components/icons
```

For Adding a custom Icon:

To add a custom icon please follow this procedure.

1. Open your custom SVG icon file in the code editor and copy all the code.
2. Then Go to src → components → icons folder and create a new .tsx file.
3. Then here create a function component and paste your copied SVG code inside the return statement.
4. Then covert all the SVG's kebab-cases properties into camelCase format except the

data-name property. For ex. change the stroke-width and fill-color into strokeWidth and fillColor. (for reffernce you can see one of our icon.)

If your custom SVG code has any single custom color then change them into fillColor.

In this template, We have used some custom helper functions which is located in

> *[your-frontend-project] =* `admin` *or* `shop`

```
cd [your-frontend-project]/src/utils/
```

You can use or customize these helper fuctions

according to your needs.

For API Integration:

> [your-frontend-project] = `admin` or `shop`

We have used env variables using `.env` file format. You have

to put your API url within this file.

For example:

Put that url in the `shop/.env` and `admin/.env`

```
NEXT_PUBLIC_REST_API_ENDPOINT=
```

```
NEXT_PUBLIC_REST_API_ENDPOINT=
'{put_your_api_url_here}'
```

Data Fetching

> [your-frontend-project] = `admin` or `shop`

For this project we provide an laravel rest api integration. We have used `react-query` ~~ hook pattern ~~ and fetched data from laravel API. Please go to `data/` folder for those hooks.

- Creating the hook.
  - We have imported the `Product` type from `@/types` (We have used typescript path aliasing for this. For more info please see our `tsconfig.json` file).
  - We have built an `axios instance` and a wrapper class which called `http-client`.

- We have put all ours endpoint at `@data/client/endpoints` file using constant value.
- We have created a `client` class which will define all the methods required for API actions.

```
class Client{
  users = {
    me: () => HttpClient.get<User>
(API_ENDPOINTS.USERS_ME),
    update: (user: UpdateProfileInput) =>
      HttpClient.put<User>
(`${API_ENDPOINTS.USERS}/${user.id}`, user),
    login: (input: LoginUserInput) =>
      HttpClient.post<AuthResponse>
(API_ENDPOINTS.USERS_LOGIN, input),
    register: (input: RegisterUserInput) =>
      HttpClient.post<AuthResponse>
(API_ENDPOINTS.USERS_REGISTER, input),

    forgotPassword: (input: ForgetPasswordInput) =>
```

```
      HttpClient.post<PasswordChangeResponse>(
        API_ENDPOINTS.USERS_FORGOT_PASSWORD,
        input
      ),
  }
  ....
}
export default new Client();
```

using the client class

you can use the client class to fetch data from the API. like below

```
import client from '@/data/client';
async () => await client.users.me();
```

- We have built our `product hook useProduct` using `react-query` and `the client instance`.

```
import type { Product } from '@/types';
```

```
import { useQuery } from 'react-query';
import { API_ENDPOINTS } from
'@/data/client/endpoints';
import client from '@/data/client';

export function useProduct(slug: string) {
  const { data, isLoading, error } =
useQuery<Product, Error>(
    [API_ENDPOINTS.PRODUCTS, slug],
    () => client.products.get(slug)
  );
  return {
    product: data,
    isLoading,
    error,
  };
}
```

For more information about `react-query` please visit React Query.

- Using the hook

```
const { product, isLoading, error } =
useProduct(slug.toString());
```

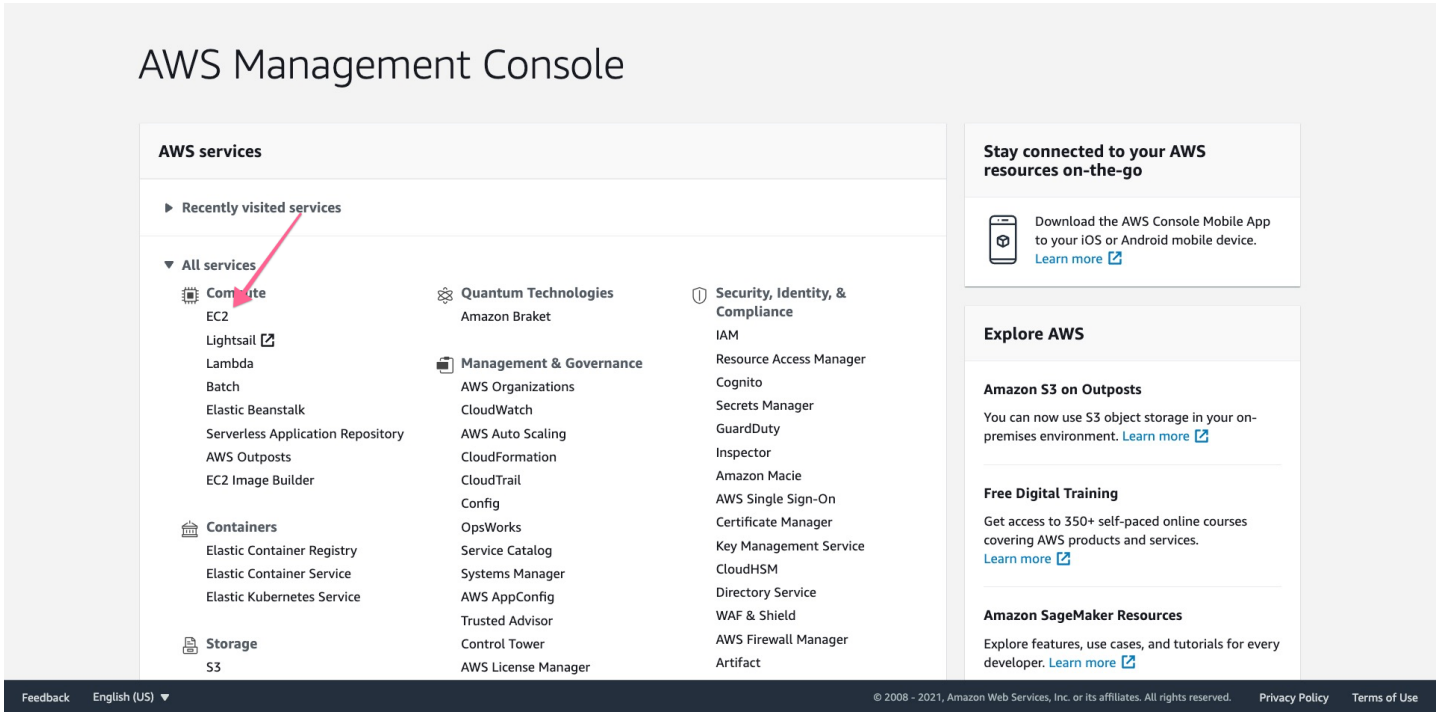
AWS (Amazon Web Service)

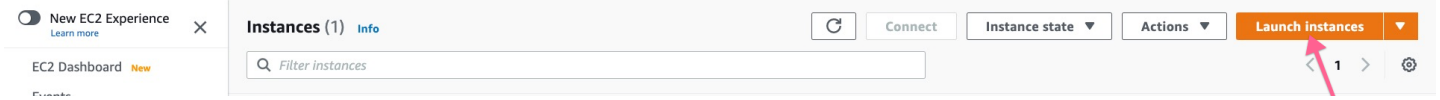
> If you want to use all the scripts (`shop`, `admin`, `api`) on the same server as this tutorial, then we recommend creating a blank ubuntu-based server with at least 2+ CPU cores and 2GB+ memory.

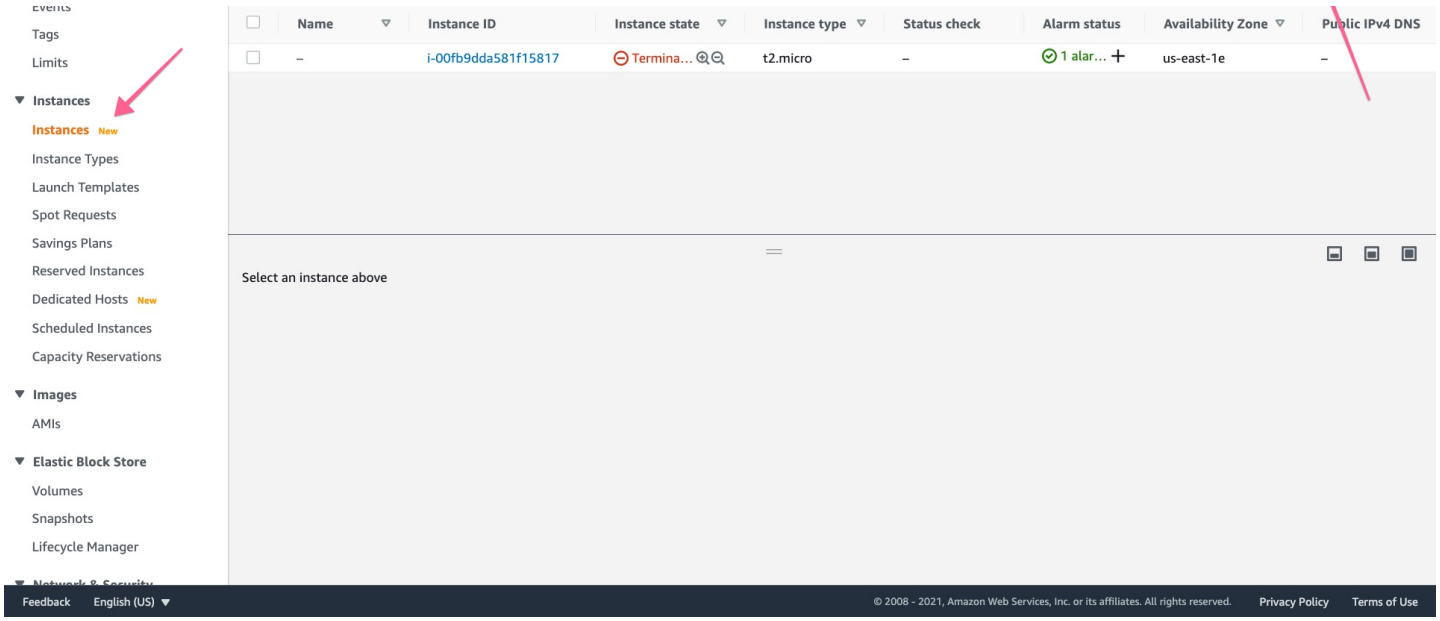
How to create ec2 server?

In this AWS tutorial, we're going to create an ec2 server. To do that at first, login to your AWS account and then click,

```
ec2 -> Instance -> Launch Instance
```



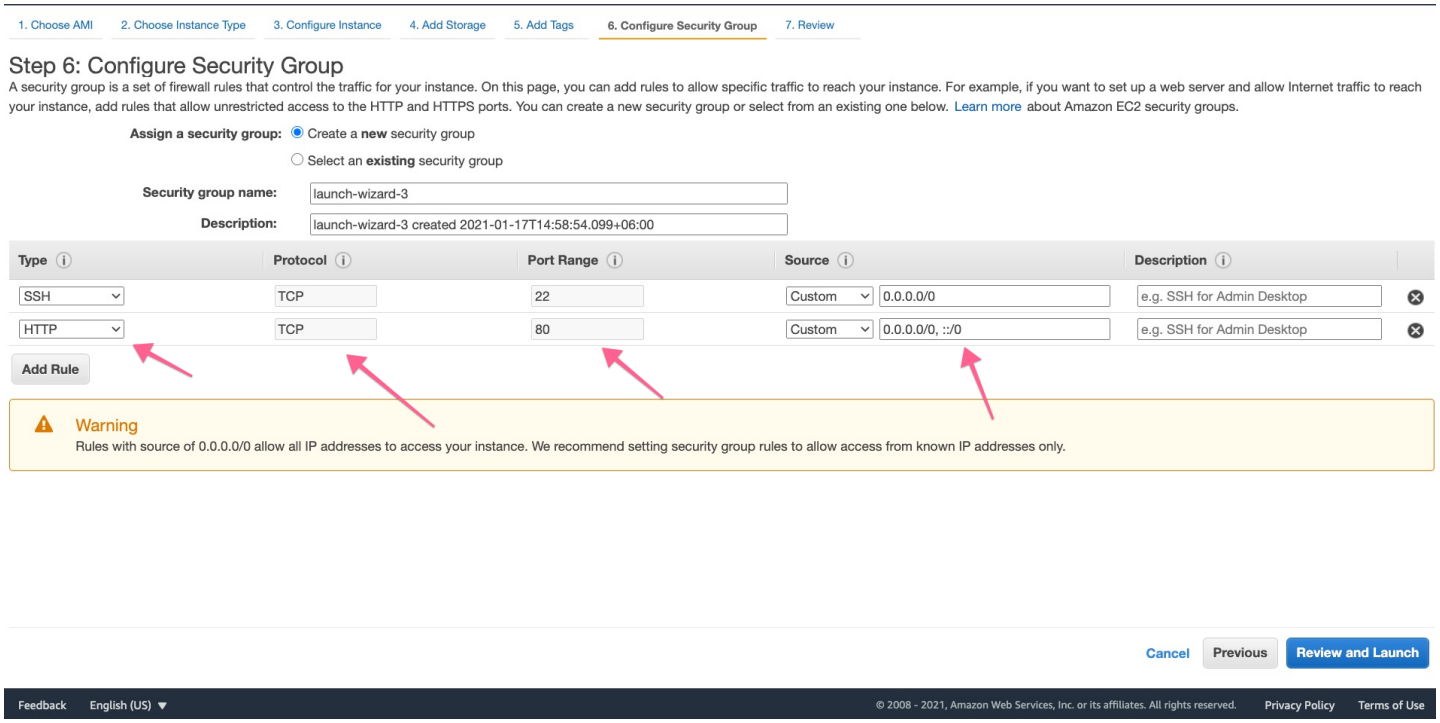




Then select a ubuntu 20.04 server

After that, click `Next` → `Next` → `Next` → `Next`

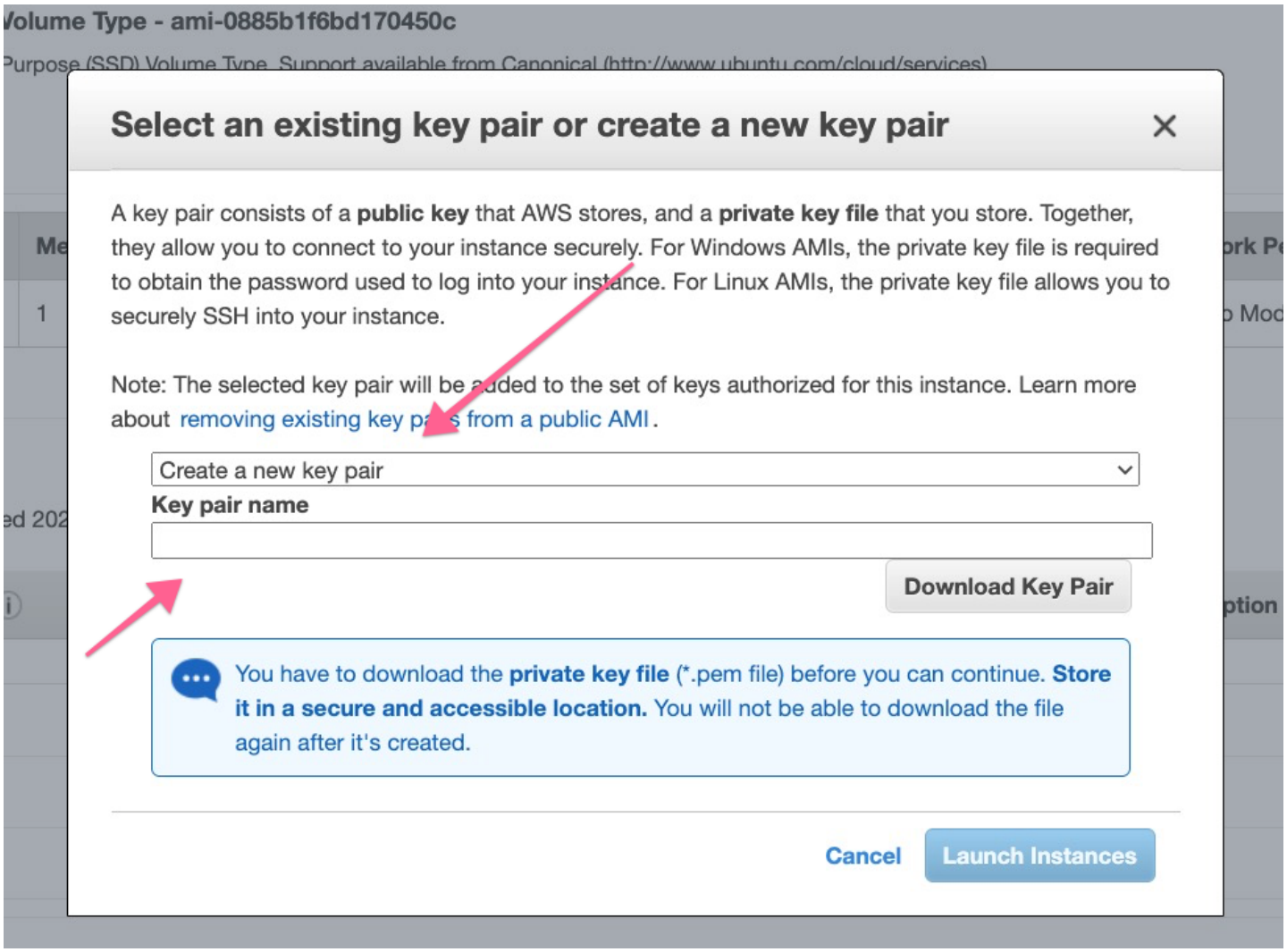
And on security pages, add a rule for `HTTP`,



After review, click `Launch,` and you'll get and

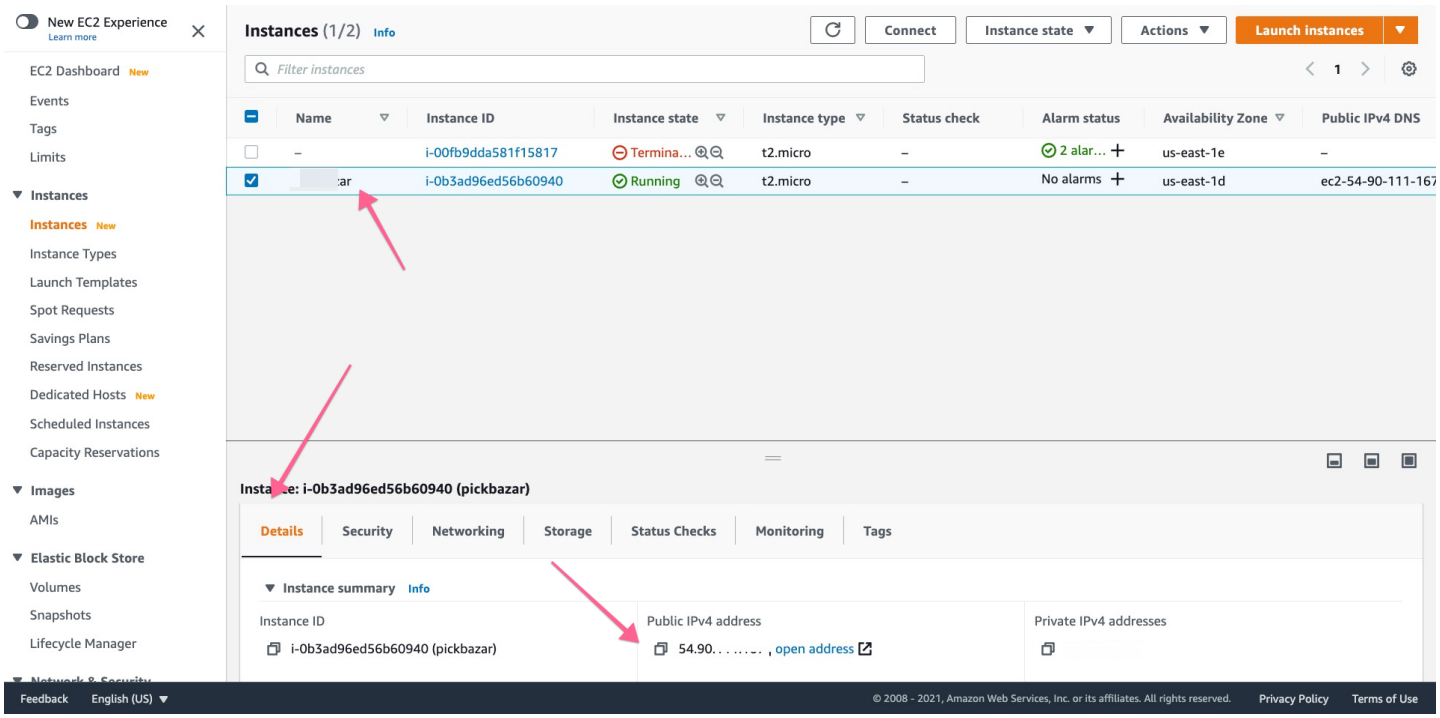
popup for KeyPair, which will be required to login to the server using ssh.

If you already have a previous KeyPair, you can use that; otherwise, you can create a new one. After completing that, make sure you download that KeyPair.



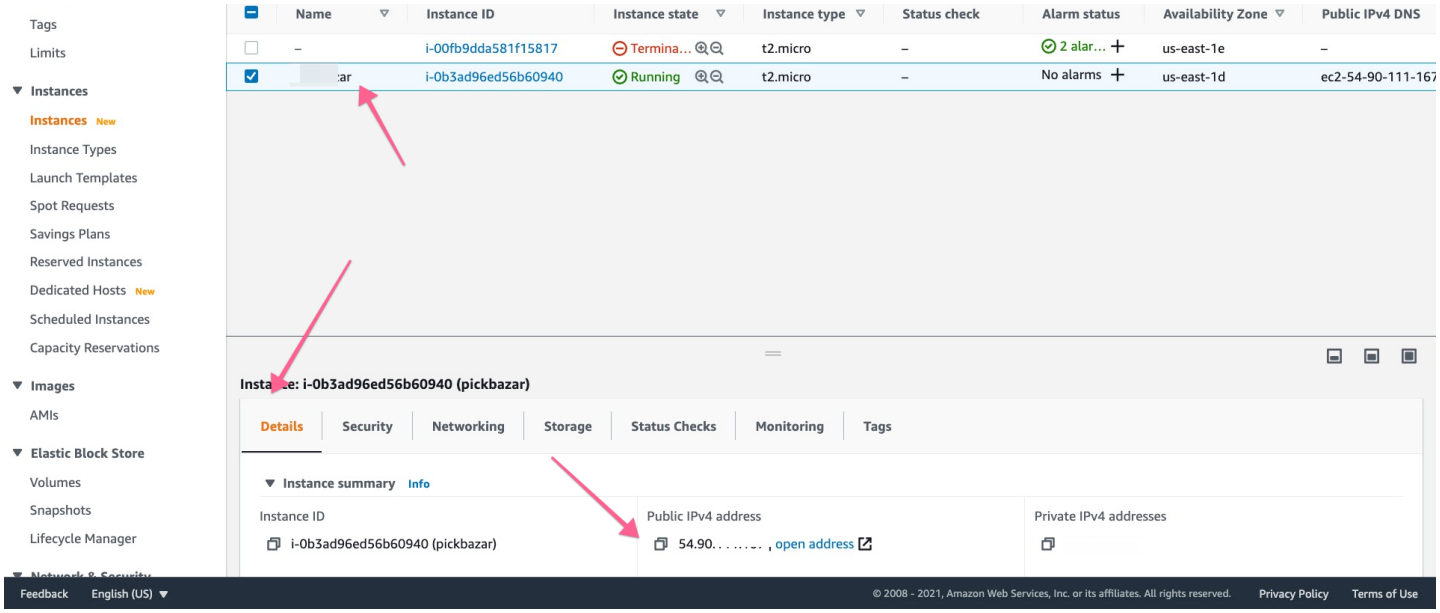
After launching the instance, you'll get the

server IP, which will be required to login into ssh.



Domain Setup

Now copy the server IP and connect it with your domain name.



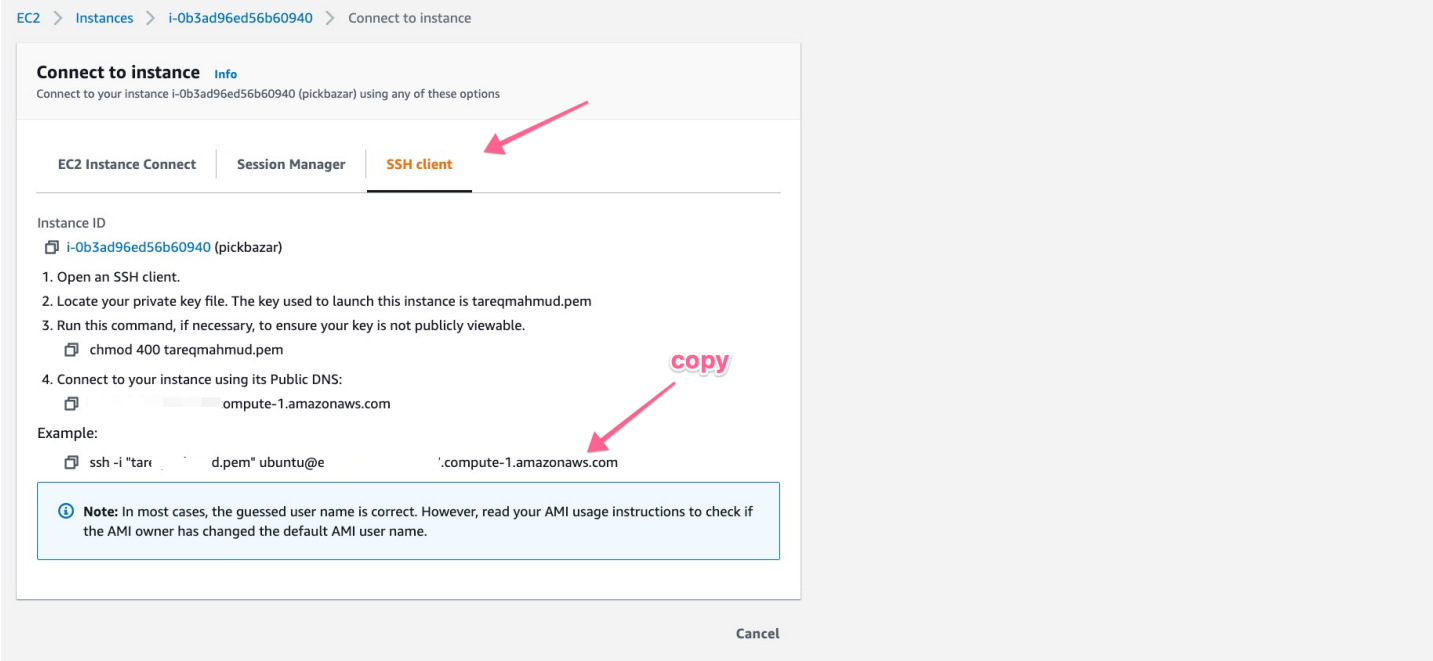
> Please contact your domain provider for detailed explanation of how to do that.

Login to Server

At first, login to your `AWS` server using ssh. to do that, go to the folder from the terminal where `KeyPair` is downloaded.

then click `Connect`

From the `Connect` dashboard, go to `SSH Client` and copy the example line and paste it to your terminal.



With this command, you will successfully connect to your server throw ssh.

- **Change permission .pem**

You've to change the permission downloaded `.pem`

file to `400` to access the server. To do that, at first go to the location where .pem store then run,

```
chmod 400 pixer.pem
```

Change the `pixer.pem` filename if you use a different name during generate the key.

> Now go to the `VPS Server` section for deploy the `Pixer Laravel`

VPS Server

Virtual Private Server

With this tutorial, you can install Pixer to

any type of blank or empty ubuntu server. For example, `Digital Ocean Droplets, Amazon Lightsail, AWS, Google Cloud Virtual Private Server, Azure Ubuntu Virtual Private Server`, etc.

> If you want to use all the scripts (`shop`, `admin`, `api`) on the same server as this tutorial, then we recommend creating a blank ubuntu-based server with at least 2+ CPU cores and 2GB+ memory.

Access Server

At first login your server using `SSH` and `Terminal`

Install NodeJS & Required

Application

Install NodeJS

At first, we've to install NodeJS and npm to run the pixer app. To install NodeJS and npm, run this command on your terminal,

```
sudo apt-get update
curl -sL https://deb.nodesource.com/setup_14.x |
sudo -E bash -
sudo apt-get install -y nodejs
```

Install Yarn

Pixer is highly dependent on `yarn`, it would be best to handle all the script parts using `yarn`. So to install yarn, use this command,

```
sudo npm i -g yarn
```

If you face any permission issue, then please check this official doc to resolve that,

Npm Permission Issue

Install Zip & Unzip

```
sudo apt install zip unzip
```

Install PM2

Now we will install `PM2`, which is a process manager for Node.js applications. `PM2` provides an easy way to manage and daemonize applications (run them in the background as a service). To install `PM2` use this command,

```
sudo npm install -g pm2
```

After restarting the server or if the server crash, then pm2 will halt the process. To prevent that, we'll add pm2 as a `startup` process to run automatically after restart the server.

```
pm2 startup systemd
```

Setup Server

Introduction

Nginx is one of the most popular web servers in the world. In this deployment tutorial, we're going to use Nginx to host our website. In this tutorial, we're going to use ubuntu 20.04 to host pixer

Step 1 - Installing Nginx

After creating the server, make sure the apt library is up to date. To update the apt library, use this command,

```
sudo apt update
```

After the update apt, we're going to install Nginx. To do that, use this command

```
sudo apt install nginx
```

Step 2: Adjusting the Firewall

Before testing Nginx, the firewall software

needs to be adjusted to allow access to the service. Nginx registers itself as a service with `ufw` upon installation, making it straightforward to allow Nginx access.

To check the `ufw` list, use this command,

```
sudo ufw app list
```

You will get a listing of an application list like this,

```
Available applications:
  Nginx Full
  Nginx HTTP
  Nginx HTTPS
  OpenSSH
```

At first, add ssh to the firewall,

```
sudo ufw allow ssh
```

```
sudo ufw allow OpenSSH
```

After that, to enable Nginx on the firewall, use this command,

```
sudo ufw allow 'Nginx HTTP'
```

Now enable the firewall,

```
sudo ufw enable
sudo ufw default deny
```

You can verify the change by typing:

```
sudo ufw status
```

The output will be indicated which HTTP traffic

is allowed:

```
Status: active

To                         Action      From
--                         ------      ----
Nginx HTTP                 ALLOW       Anywhere
22/tcp                     ALLOW       Anywhere
Nginx HTTP (v6)            ALLOW       Anywhere (v6)
22/tcp (v6)                ALLOW       Anywhere (v6)
```

Step 3 - Checking your Web Server

Now check the status of the Nginx web server by using this command,

```
systemctl status nginx
```

You'll get an output like this,

```
● nginx.service - A high performance web server and a reverse proxy server
     Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
     Active: active (running) since Tue 2021-01-12 07:35:20 UTC; 7min ago
       Docs: man:nginx(8)
   Main PID: 2940 (nginx)
      Tasks: 2 (limit: 1164)
     Memory: 5.1M
     CGroup: /system.slice/nginx.service
             ├─2940 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;
             └─2941 nginx: worker process
```

Step 4 - Install MySQL

```
sudo apt install mysql-server
```

Step 5 - Install PHP

```
sudo apt install php-fpm php-mysql
sudo apt install php-fpm php-mysql php-mbstring
php-xml php-bcmath php-simplexml php-mbstring
php7.4-gd php7.4-curl composer
```

Step 6 - Create MySQL Database & User

```
sudo mysql
```

```
CREATE DATABASE pixer;

CREATE USER 'pickbazar_user'@'%' IDENTIFIED WITH
mysql_native_password BY 'pickbazar1';

GRANT ALL ON pixer.* TO 'pickbazar_user'@'%';

FLUSH PRIVILEGES;
```

We use MySQL user name `pickbazar_user` and MYSQL password `pickbazar1`. Make sure you change at least `MySQL` password for security.

Step 7 - Change permission for the `www` folder

```
sudo chown -R $USER:$USER /var/www/
```

Step 8 - Upload API to Server

At first, use this command to create a directory on `/var/www/pixer-laravel`

```
mkdir /var/www/pixer
```

Then, go to your `local computer`

- Extract the `pixer-laravel` package that you download from `CodeCanyon.`
- Rename that folder as `redq-ecommerce`
- On that folder, you'll get another `folder` called `pixer-laravel`.
- On that folder, you'll get a folder called `api`

Now upload this `pixer-api` folder to the server `/var/www/pixer-laravel/`

Step 9: Setting Up Server & Project

In this chapter, we'll set up our server and also will set up Reverse Proxy to host all of our sites from the same server.

At first, we'll disable the default configuration.

```
sudo rm /etc/nginx/sites-enabled/default
```

Step 10 - Create New Nginx for the domain

```
sudo touch /etc/nginx/sites-available/pixer
sudo nano /etc/nginx/sites-available/pixer
```

Add this Nginx config file to that edited file,

```
server {
```

```
    listen 80;

    server_name YOUR_DOMAIN.com;

    add_header X-Frame-Options "SAMEORIGIN";
    add_header X-XSS-Protection "1; mode=block";
    add_header X-Content-Type-Options "nosniff";

    index index.html index.htm index.php;

    charset utf-8;

    # For API
    location /backend {
        alias /var/www/pixer/pixer-api/public;
        try_files $uri $uri/ @backend;
            location ~ \.php$ {
            include fastcgi_params;
            fastcgi_param SCRIPT_FILENAME
$request_filename;
            fastcgi_pass   unix:/run/php/php7.4-
fpm.sock;
         }
   }
```

```
    location @backend {
        rewrite /backend/(.*)$ /backend/index.php?/$1
last;
    }

    # For FrontEnd
    location /{
         proxy_pass http://localhost:3000;
         proxy_http_version 1.1;
         proxy_set_header Upgrade $http_upgrade;
         proxy_set_header Connection 'upgrade';
         proxy_set_header Host $host;
         proxy_cache_bypass $http_upgrade;
     }

     location /admin{
         proxy_pass http://localhost:3002/admin;
         proxy_http_version 1.1;
         proxy_set_header Upgrade $http_upgrade;
         proxy_set_header Connection 'upgrade';
         proxy_set_header Host $host;
         proxy_cache_bypass $http_upgrade;

     }
```

```
    location = /favicon.ico { access_log off;
log_not_found off; }
    location = /robots.txt  { access_log off;
log_not_found off; }

    error_page 404 /index.php;

    location ~ \.php$ {
        fastcgi_pass unix:/var/run/php/php7.4-
fpm.sock;
        fastcgi_index index.php;
        fastcgi_param SCRIPT_FILENAME
$realpath_root$fastcgi_script_name;
        include fastcgi_params;
    }

    location ~ /\.(?!well-known).* {
        deny all;
    }
}
```

> Make sure you change `YOUR_DOMAIN.com` to your specific `domain name`

> specific `domain name`

> “ You can change `api` path, if you want to change the the domain path for the laravel application

> “ You can change `admin` path, if you want to change the the domain path for the frontend admin

Save and close the file by typing `CTRL` and `X`, then `Y` and `ENTER` when you are finished.

Then enable the config

```
sudo ln -s /etc/nginx/sites-available/pixer /etc/nginx/sites-enabled/
```

Make sure you didn’t introduce any syntax errors by typing:

errors by typing:

```
sudo nginx -t
```

Next, restart Nginx:

```
sudo systemctl restart nginx
```

Secure Server

- **Step 1: Secure Nginx with Let's Encrypt**

```
sudo apt install certbot python3-certbot-nginx
```

```
sudo ufw status

sudo ufw allow 'Nginx Full'
sudo ufw delete allow 'Nginx HTTP'

sudo ufw status
sudo certbot --nginx -d YOUR_DOMAIN
```

> After this command, you'll get several command prompt. Make sure you take the necessary steps and provide information on that command prompt.

Install API

- **Step 1: Build and Run `api`**

At first, go to the `pixer-api` folder, then copy `.env.example` to `.env`,

```
cd /var/www/pixer/pixer-api
cp .env.example .env
```

Edit `.env`

```
nano .env
```

And add `MySQL`, `stripe`, `mail` or others configuration.

Also, add `https://YOUR_DOMAIN.COM/backend` to `APP_URL`. Without this, the `upload` function will be broken.

```
APP_URL=https://YOUR_DOMAIN.com/backend
APP_SERVICE=marvel.test
APP_NOTICE_DOMAIN=PICKBAZAR_
DUMMY_DATA_PATH=pickbazar


LOG_CHANNEL=stack
LOG_LEVEL=debug
```

Then install all the packages and install `api`

```
composer install

php artisan key:generate

php artisan marvel:install
```

> “
> You'll get several confirmations for migration, dummy data, and admin account. Make sure you check the confirmation step and take the necessary actions based on your requirement.

Enable `laravel storage,`

```
php artisan storage:link
```

Then give proper `permission` for laravel folder,

```
sudo chown -R www-data:www-data storage
sudo chown -R www-data:www-data bootstrap/cache
```

Now, when you go to the `YOUR_DOMAIN/backend` you'll get a `welcome` page like this

FrontEnd Project Build

> Typescript requires a huge chunk of memory to build the project, so if your server has at least 8gb+ of memory, then you can build the project on your server directly. If not, then build the project on your server, then move the folder to the server then serve the project. We'll do the second method in this tutorial.

> We'll suggest you build the frontend part on

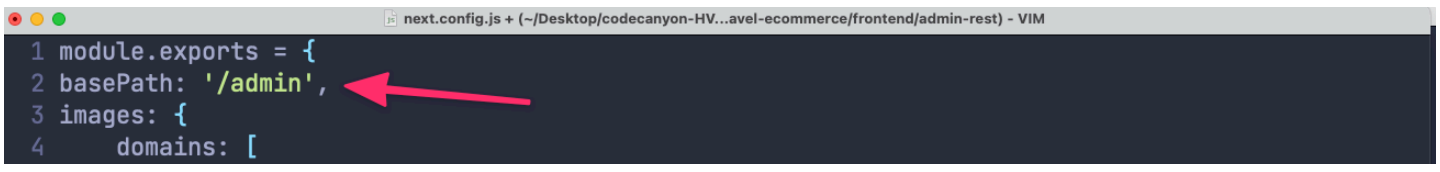
> your computer and then upload the build file to the server.

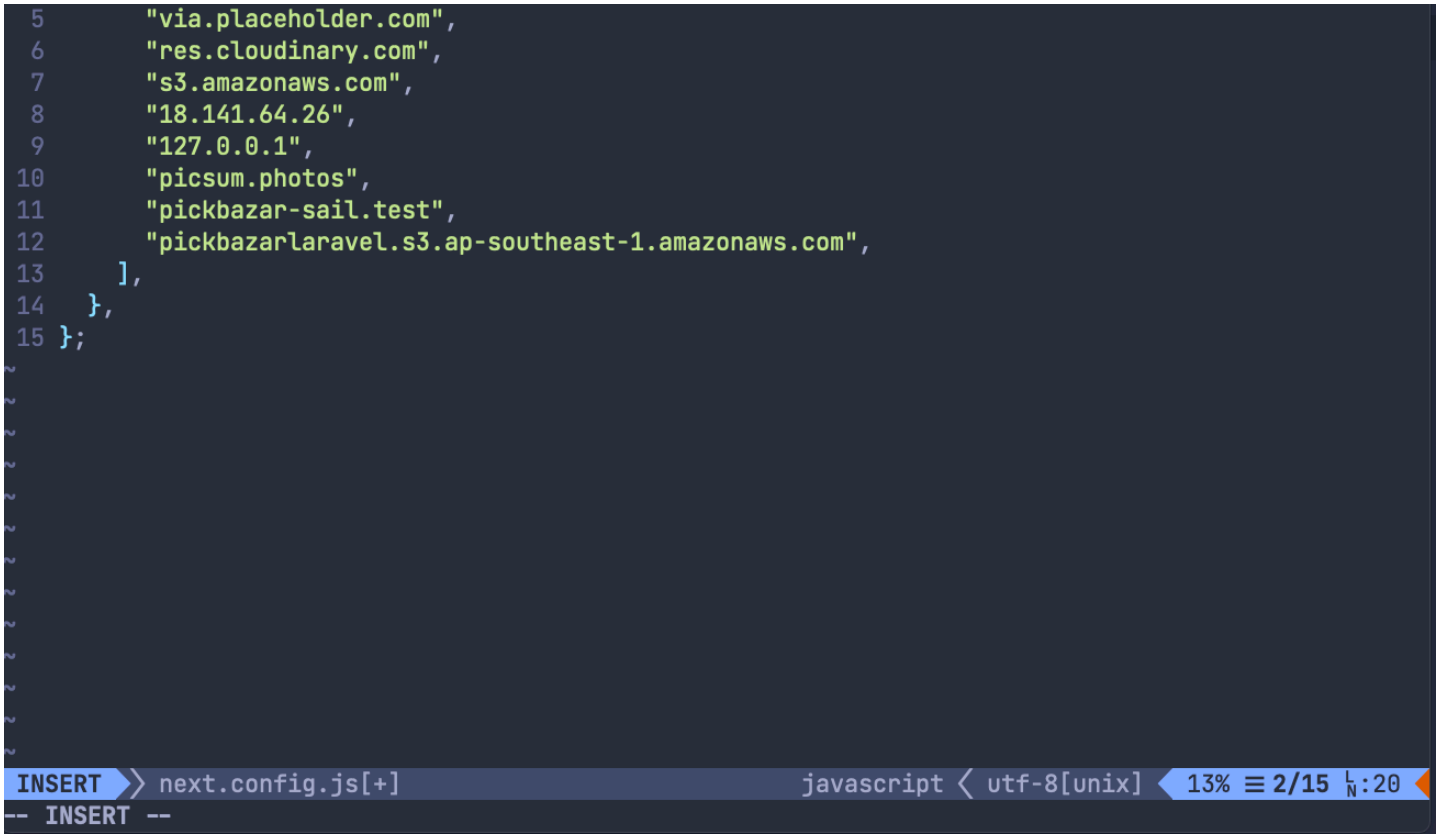
Go to your `pixer-laravel` folder from your `local computer`.

Step 1 - Config Next Admin App For /admin Sub Directory

Edit `admin/next.config.js`,

add `basePath` for '/admin'





Step 2 - Install & Build

go to your `pixer-laravel -> admin` folder again

To install all the npm packages run this command,

```
yarn
```

Again,

go to your `pixer-laravel -> shop` folder again

To install all the npm packages run this command,

```
yarn
```

Step 3 - Build the project

At first, we've to copy the sample `.env.template` to production `.env` for the shop and admin first.

Go to,

```
cd shop
```

then use this command to copy,

```
cp .env.template .env
```

Now edit .env and add you `API` url to `.env`

and use

```
NEXT_PUBLIC_REST_API_ENDPOINT="https://YOUR_DOMAIN/backend"
```

After that, go to the `admin` folder,

```
cd ../admin
```

then use this command to copy,

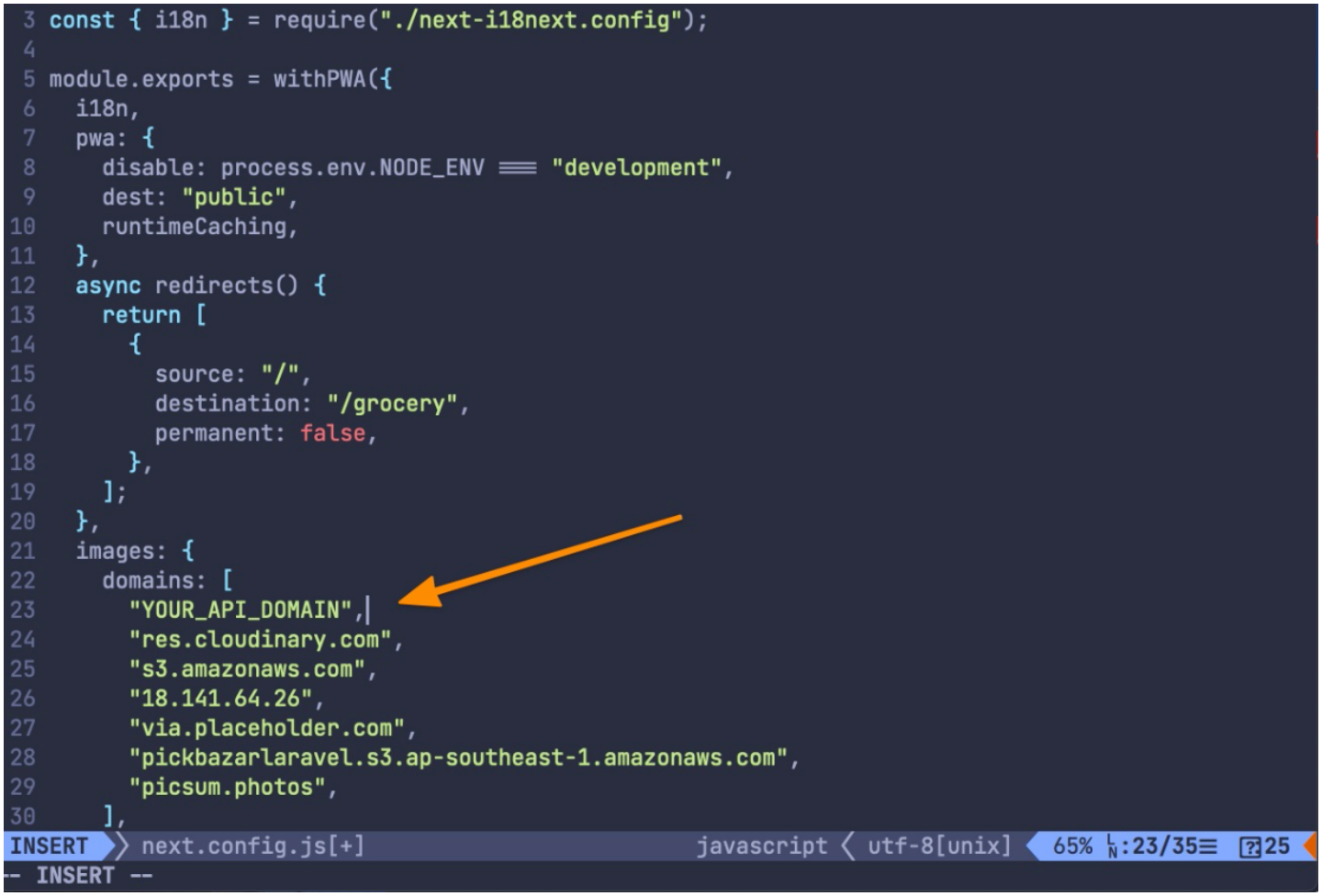
```
cp .env.template .env
```

and use

```
NEXT_PUBLIC_REST_API_ENDPOINT="https://YOUR_DOMAIN/backend"
```

Then open `shop -> next.config.js` and `admin -> next.config.js`

and add your domain to `images` object



> “
> If your API is hosted on a subdomain, then

> add that subdomain with root domain on `next.config.js`

- Build Project

Now go to the `pixer-laravel -> admin` folder,

and run,

```
yarn build
```

again,

Now go to the `pixer-laravel -> shop` folder,

and run,

```
yarn build
```

Now zip `admin`, `shop` files and upload them to the server `/var/www/pixer-laravel`

Now go to the server `/var/www/pixer-laravel` using terminal

Install FrontEnd And Run

Then install all the node packages go to `/var/www/pixer-laravel/shop` and use this command,

```
yarn
```

Then go to `/var/www/pixer-laravel/admin` and use this command,

```
yarn
```

- **Run frontend app**

For `shop` app, use this command from `pixer-laravel -> shop` folder,

```
pm2 --name shop-rest start yarn -- run start
```

And, For `admin` app, use this command from `pixer-laravel -> admin` folder,

```
pm2 --name admin-rest start yarn -- run start
```

Now go to Now, go to your `YOUR_DOMAIN` to access the shop page and `YOUR_DOMAIN/admin` for the access admin section.

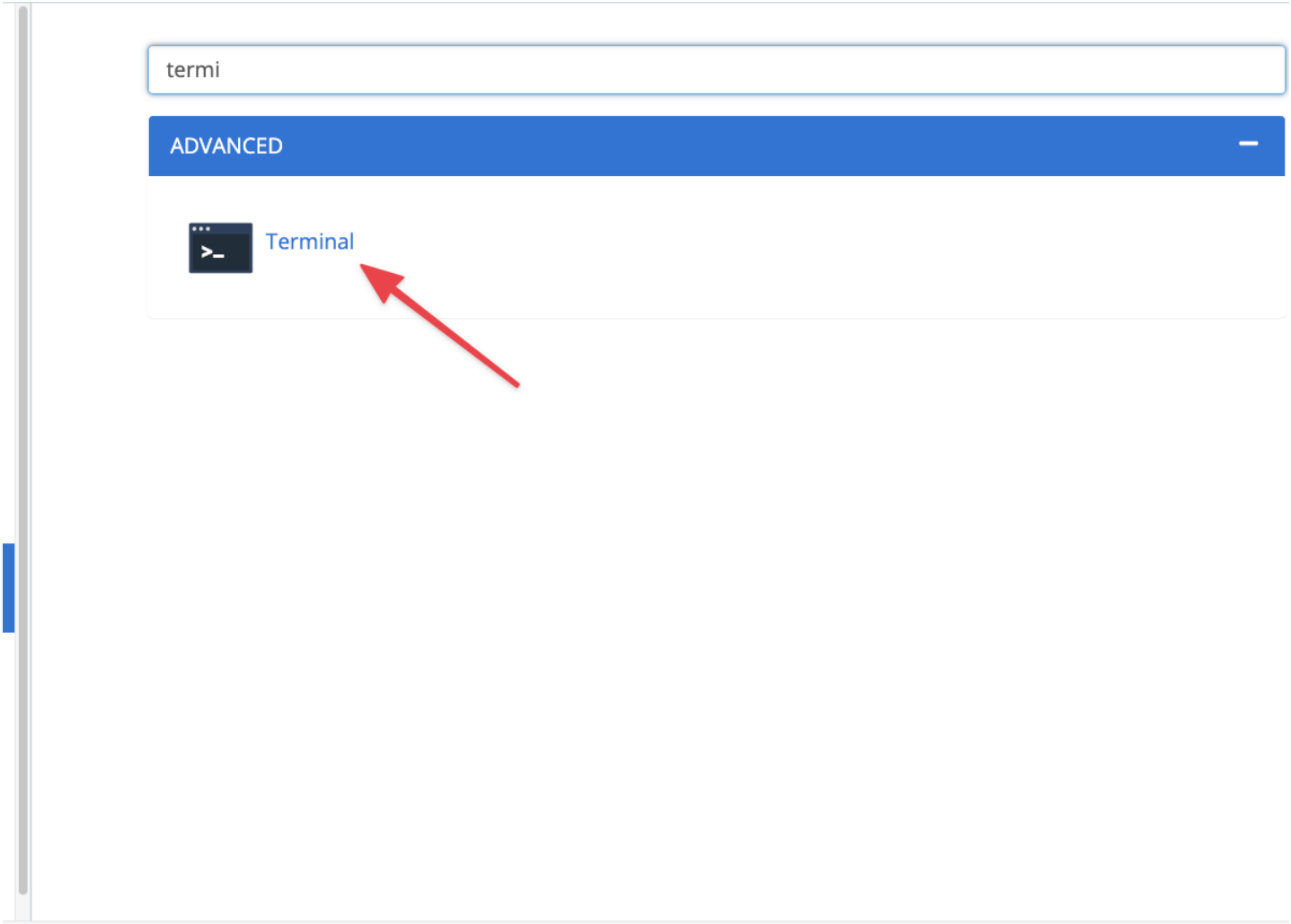
cPanel

> It's quite hard to debug any deployment issue on the cPanel server as the provider manages this type of server, and they've complete control of the server. And for that, We don't recommend Cpanel for deployment. We suggest you use any VPS server where you have complete control of it. you can purchase any $5 - $10/mo server from amazon lightsail, ec2 or digitalocean or any ubuntu server

> If you still decide to proceed with cpanel, our support team won't be able to help you. We have put some resources for Cpanel in this documentation section to help our users to get started but other than that, we don't have much to offer with Cpanel.

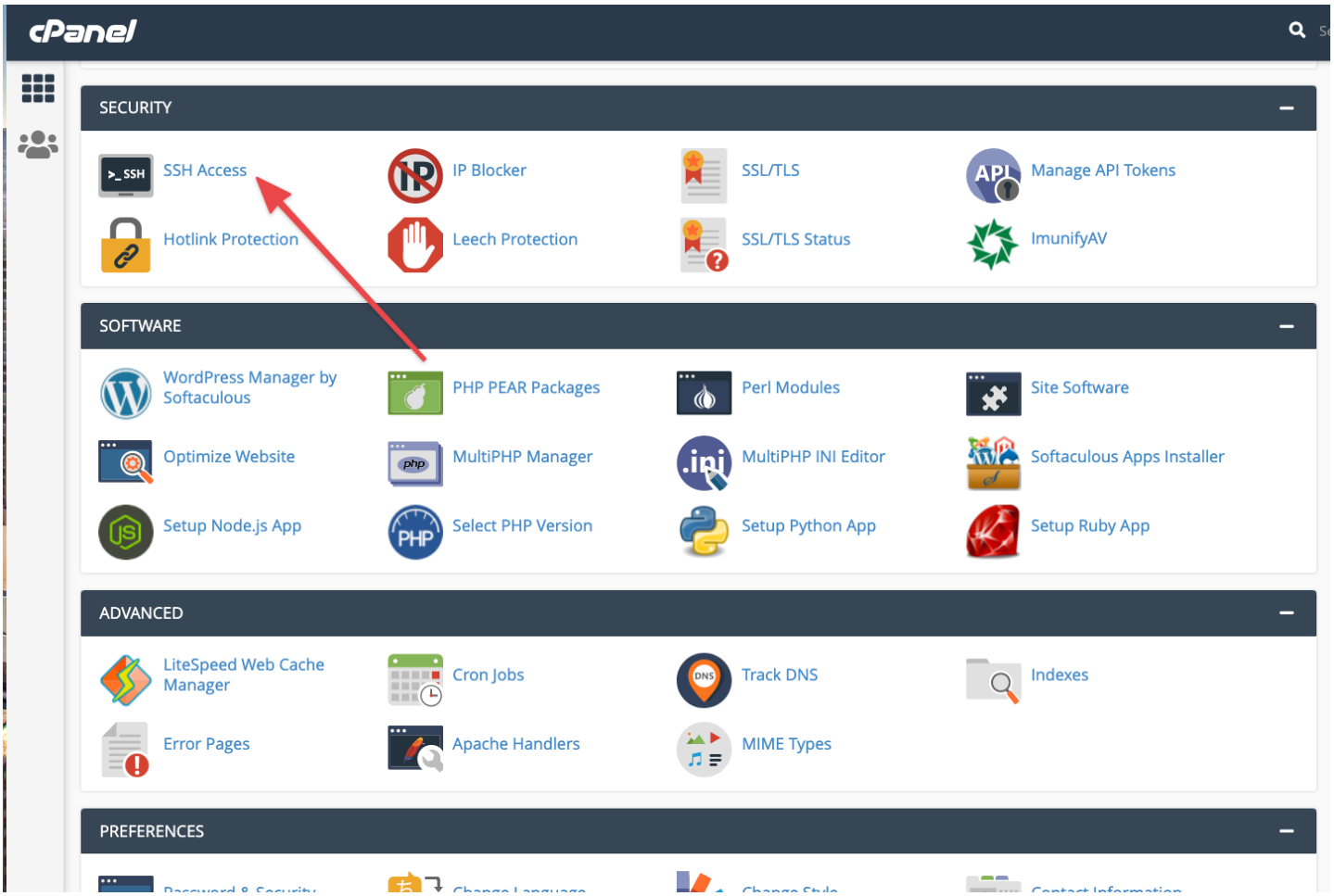
Access Server

To install the API, access the server using the cPanel terminal first,



If you don't find the terminal, then login to your local computer terminal or putty for

Windows using SSH.



After enabling the ssh login to your server using ssh,

> If you dont't see any option, then contact your hosting provider as cPanel control by hosting provider.

After logging in, Check if the composer is already installed or not using this command,

```
composer -v
```

If composer is not installed then, install `composer` to your server.

Check this YouTube Video for install `composer` on your server,

After that, check the PHP version using,

```
php -v
```

make sure it's `7.4`

Create Subdomains

Now create two subdomains, for example,

```
-> your_domain.com -> host frontend store.
-> api.your_domain.com -> host laravel API.
-> admin.your_domain.com -> host admin dashboard.
```

Or if you want to host all the script on subdomains, then create subdomains like this,

```
-> store.your_domain.com -> host frontend store.
-> api.your_domain.com -> host laravel API.
-> admin.your_domain.com -> host admin dashboard.
```

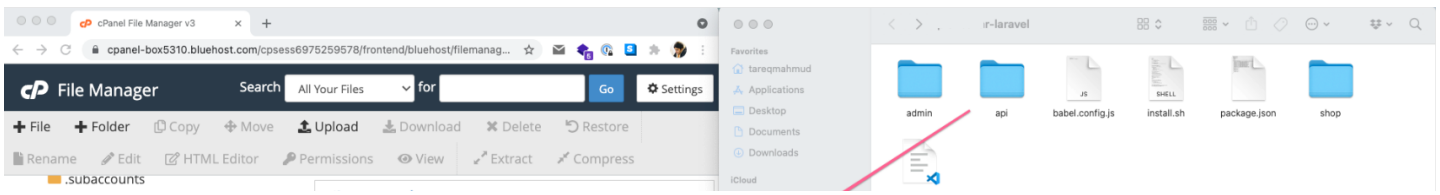
> “
> After creating domain/subdomains, make sure all the domain/subdomains are HTTPS enabled

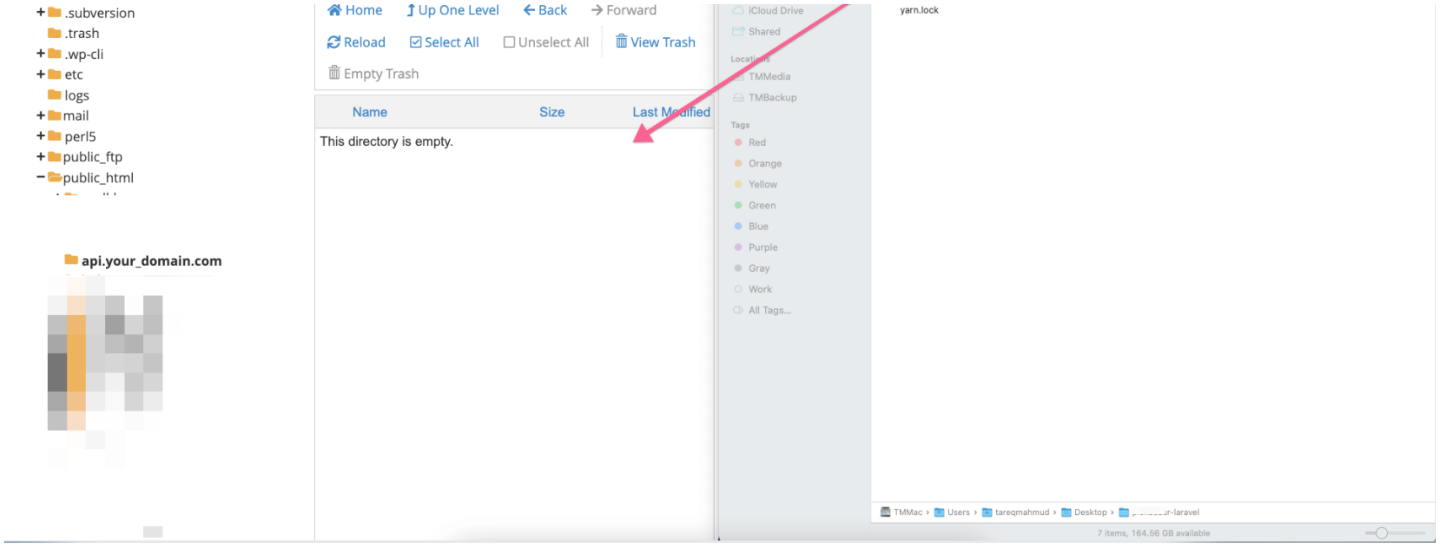
> all the domain/subdomains are https enabled. Please contact your hosting provider to enable this, as most hosting providers provide some sort of free SSL.

Install API

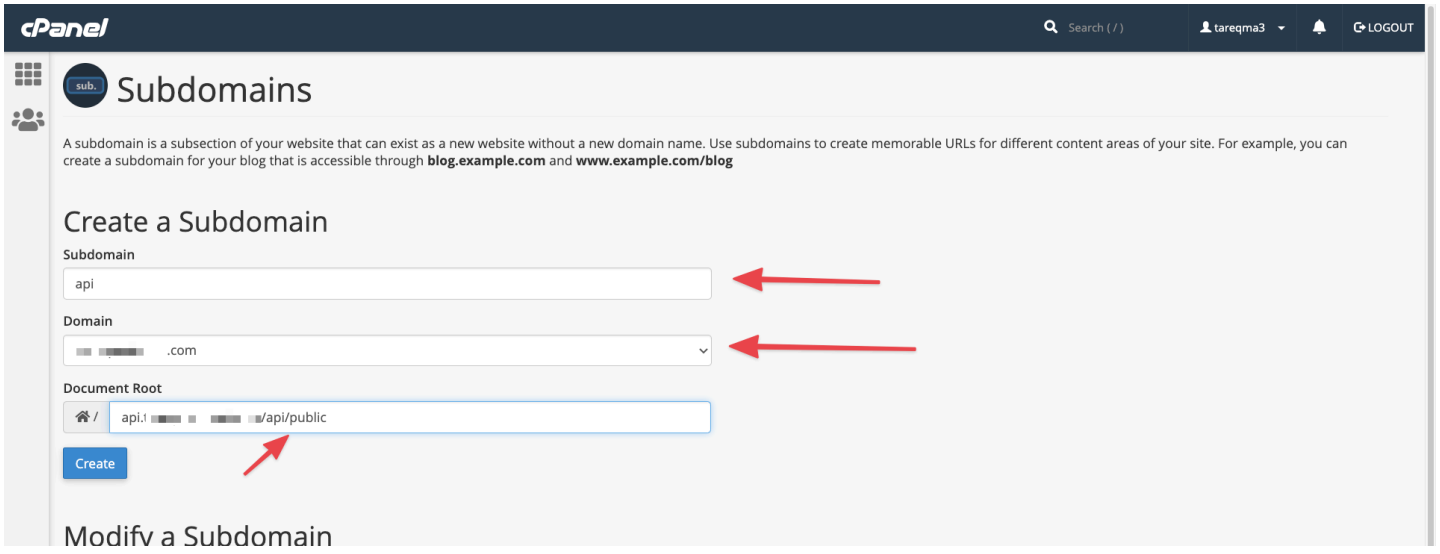
1. Extract the `pixer-laravel` package that you download from `CodeCanyon.`
2. On that folder, you'll get another `zip` called `pixer-laravel.zip`.
3. Now extract this `pixer-laravel.zip` file.
4. On that file, you'll get a folder called `pixer-api`

Now upload this `pixer-api` folder to the `api.your_domain.com` folder in your server

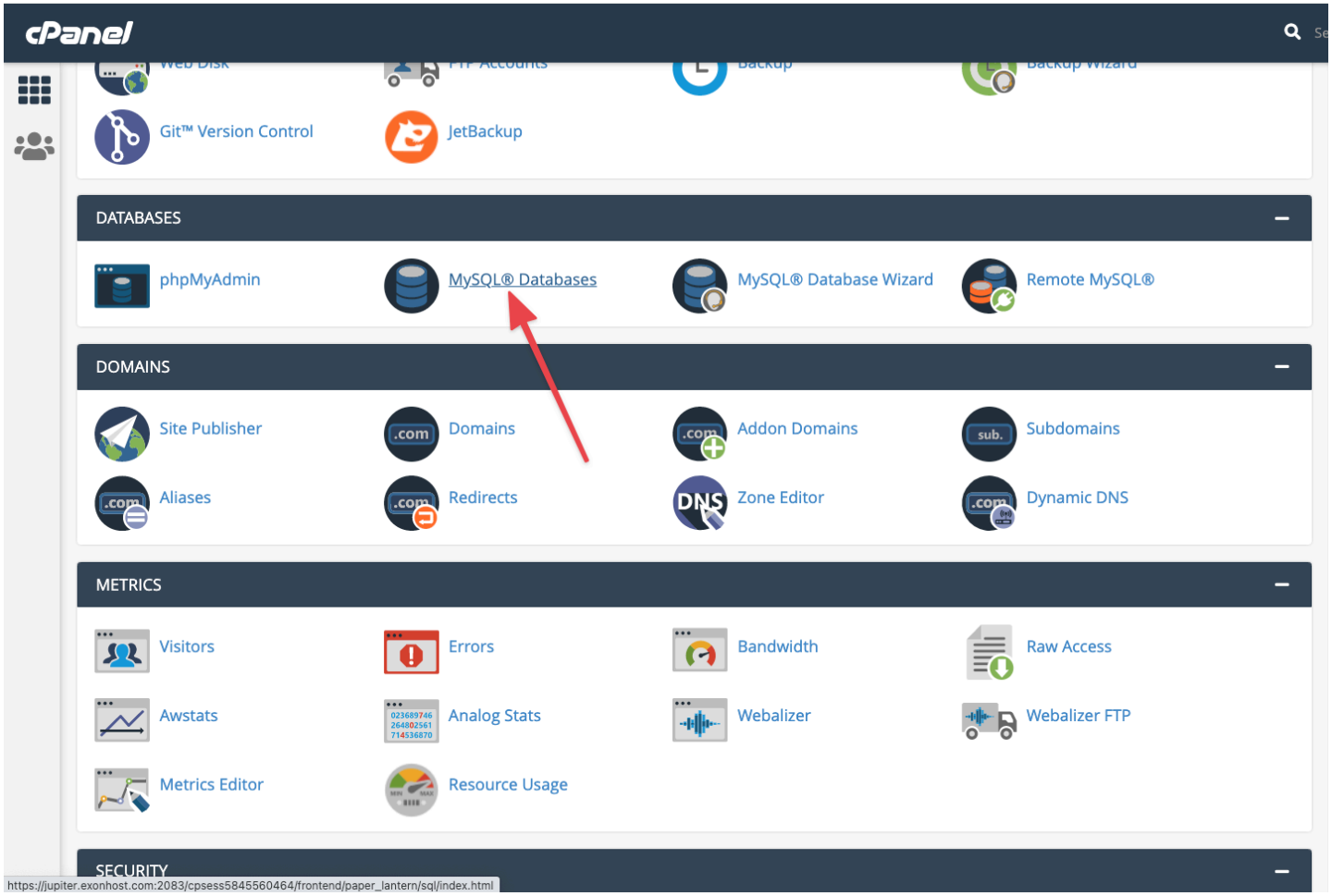




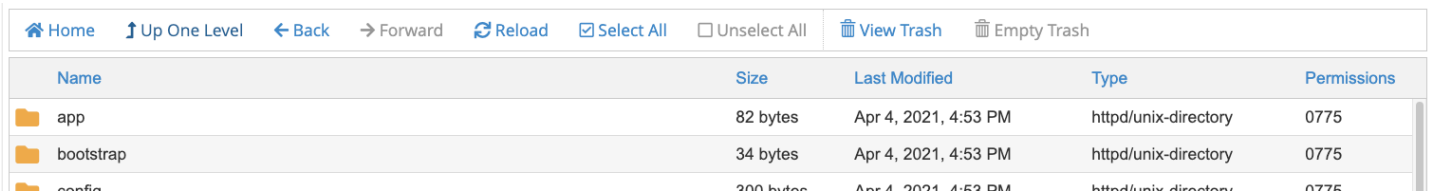
> Make sure your `api.your_domain.com` subdomain `Document Root` points to that `api/public` folder.

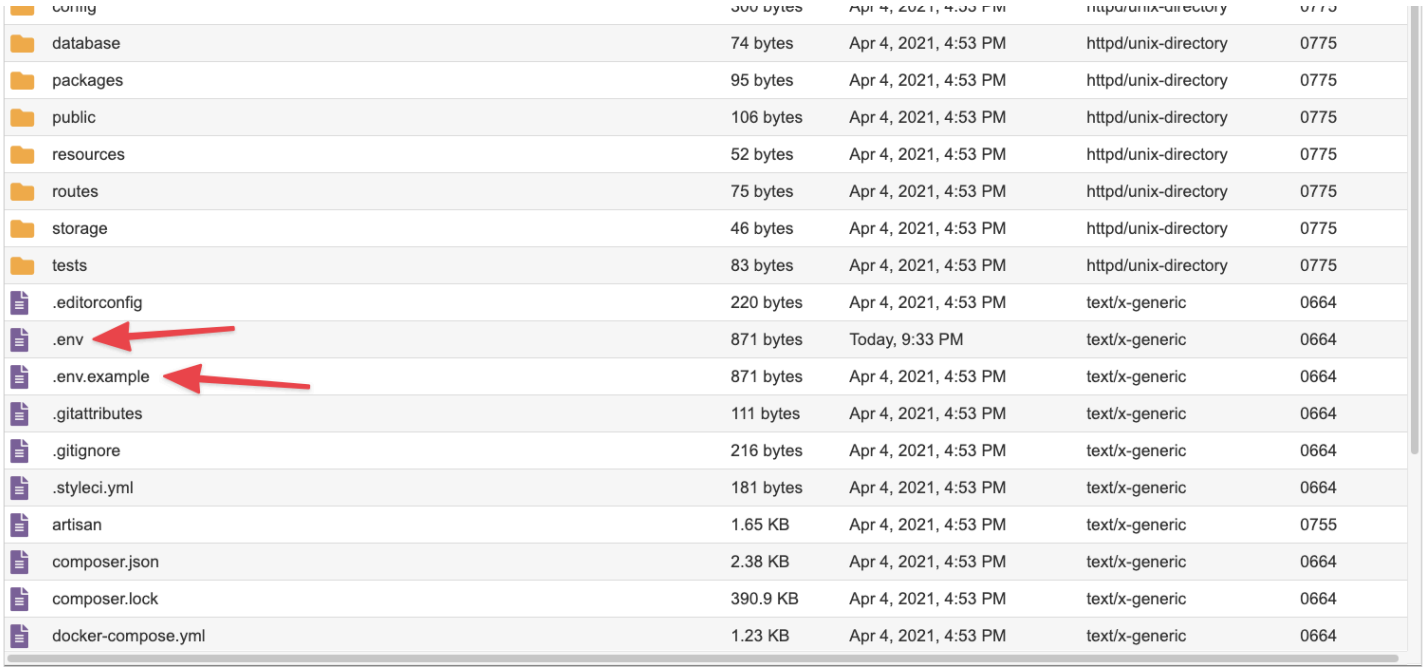


Now create a MySQL database and user from MySQL wizard



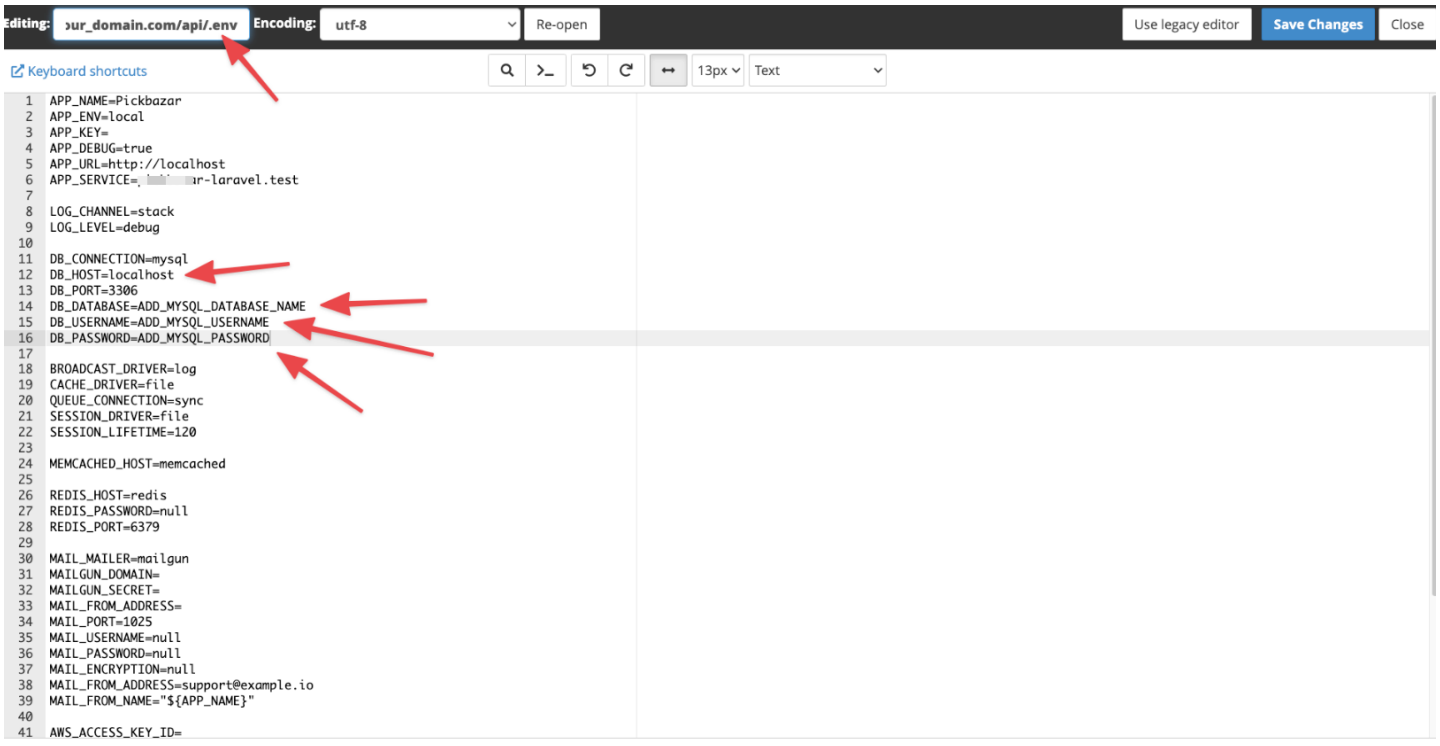
After creating the MySQL database, go to your `api` folder from your cPanel file manager and copy `.env.example` to `.env.`





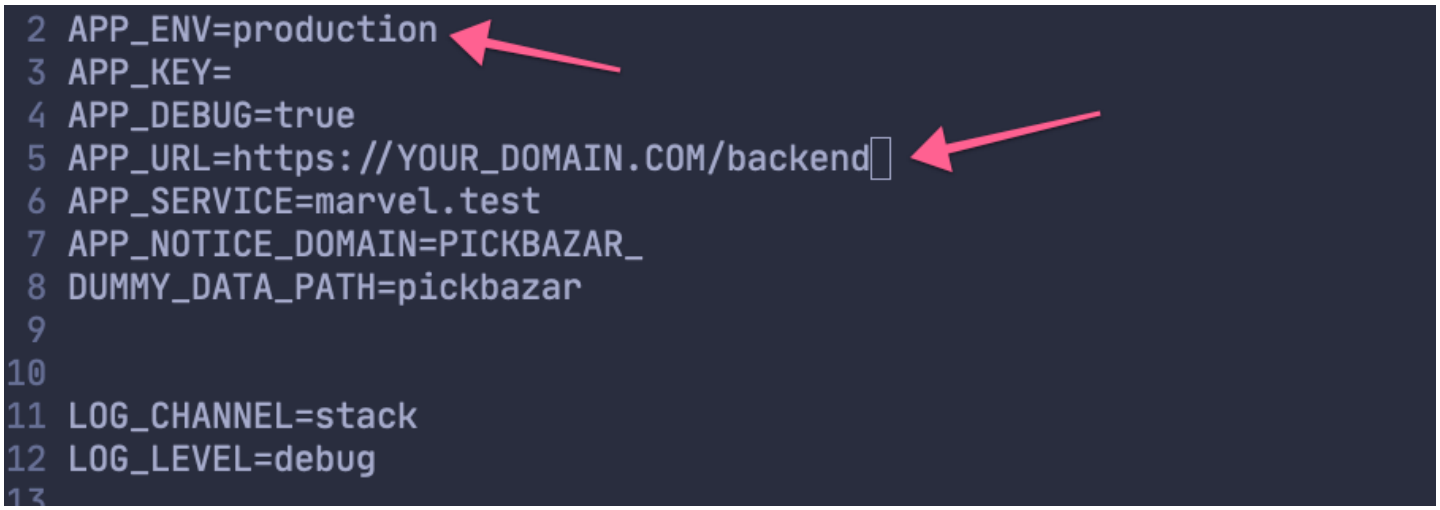
database	74 bytes	Apr 4, 2021, 4:53 PM	httpd/unix-directory	0775
packages	95 bytes	Apr 4, 2021, 4:53 PM	httpd/unix-directory	0775
public	106 bytes	Apr 4, 2021, 4:53 PM	httpd/unix-directory	0775
resources	52 bytes	Apr 4, 2021, 4:53 PM	httpd/unix-directory	0775
routes	75 bytes	Apr 4, 2021, 4:53 PM	httpd/unix-directory	0775
storage	46 bytes	Apr 4, 2021, 4:53 PM	httpd/unix-directory	0775
tests	83 bytes	Apr 4, 2021, 4:53 PM	httpd/unix-directory	0775
.editorconfig	220 bytes	Apr 4, 2021, 4:53 PM	text/x-generic	0664
.env	871 bytes	Today, 9:33 PM	text/x-generic	0664
.env.example	871 bytes	Apr 4, 2021, 4:53 PM	text/x-generic	0664
.gitattributes	111 bytes	Apr 4, 2021, 4:53 PM	text/x-generic	0664
.gitignore	216 bytes	Apr 4, 2021, 4:53 PM	text/x-generic	0664
.styleci.yml	181 bytes	Apr 4, 2021, 4:53 PM	text/x-generic	0664
artisan	1.65 KB	Apr 4, 2021, 4:53 PM	text/x-generic	0755
composer.json	2.38 KB	Apr 4, 2021, 4:53 PM	text/x-generic	0664
composer.lock	390.9 KB	Apr 4, 2021, 4:53 PM	text/x-generic	0664
docker-compose.yml	1.23 KB	Apr 4, 2021, 4:53 PM	text/x-generic	0664

After the copy, edit `.env` and add MySQL credentials,



Also, add `https://YOUR_DOMAIN.COM/api` to `APP_URL`. Without this, the `upload` function will be

broken.



Then go to your `ssh terminal` again and,

go to `api` folder and run,

```
composer install
```

If `composer` installs all the packages successfully, then run this command on the `api` folder,

```
php artisan key:generate
```

```
php artisan marvel:install
```

> “
> You'll get several confirmations for migration, dummy data, and admin account. Make sure you check the confirmation step and take the necessary actions based on your requirement.

After that, run this command to link storage,

```
php artisan storage:link
```

After install, go to your `api.your_domain_name.com,` and you'll get a webpage like this,

Install FrontEnd

Before proceeding next step, make sure you already create two subdomains like this,

```
-> your_domain.com -> host frontend store.
-> admin.your_domain.com -> host admin dashboard.
```

OR

```
-> store.your_domain.com -> host frontend store.
-> admin.your_domain.com -> host admin dashboard.
```

FrontEnd Project Build

> Typescript requires a huge chunk of memory to build the project, so if your server has at least 8gb+ of memory, then you can build the project on your server directly. If not, then build the project on your server, then move the folder to the server then serve the project. We'll do the second method in this tutorial.

> We'll suggest you build the frontend part on your computer and then upload the build file to the server.

step 1 - Build Custom Server

go to your `pixer-laravel` folder

- **shop rest**

Create custom server for `shop rest`,

```
nano shop/server.js
```

and paste this code,

```
// server.js
const { createServer } = require('http')
const { parse } = require('url')
const next = require('next')

const dev = process.env.NODE_ENV !== 'production'
const app = next({ dev })
const handle = app.getRequestHandler()


app.prepare().then(() => {
  createServer((req, res) => {
    // Be sure to pass `true` as the second
```

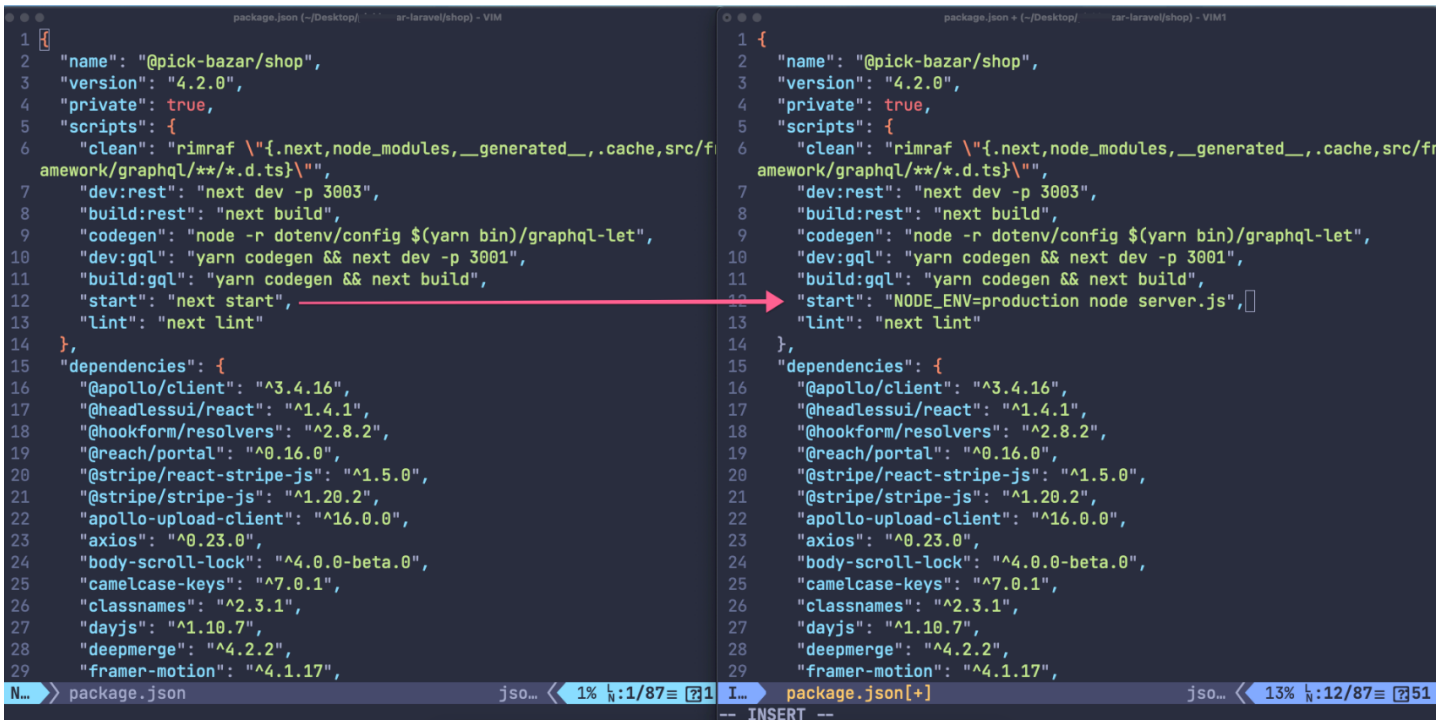
```
    // Be sure to pass `true` as the second
argument to `url.parse`.
    // This tells it to parse the query portion of
the URL.
    const parsedUrl = parse(req.url, true)
    const { pathname, query } = parsedUrl

    if (pathname === '/a') {
      app.render(req, res, '/a', query)
    } else if (pathname === '/b') {
      app.render(req, res, '/b', query)
    } else {
      handle(req, res, parsedUrl)
    }
  }).listen(3003, (err) => {
    if (err) throw err
    console.log('> Ready on http://localhost:3003')
  })
})
```

Now update package.json for `shop rest`,

```
nano shop/package.json
```

and replace `start` script with this,

```
"start": "NODE_ENV=production node server.js"
```



- admin rest

Similarly, create custom server for `admin rest`,

```
nano admin/server.js
```

and paste this code,

```
// server.js
const { createServer } = require('http')
const { parse } = require('url')
const next = require('next')

const dev = process.env.NODE_ENV !== 'production'
const app = next({ dev })
const handle = app.getRequestHandler()

app.prepare().then(() => {
  createServer((req, res) => {
    // Be sure to pass `true` as the second
argument to `url.parse`.
    // This tells it to parse the query portion of
the URL.
    const parsedUrl = parse(req.url, true)
    const { pathname, query } = parsedUrl

    if (pathname === '/a') {
      app.render(req, res, '/a', query)
    } else if (pathname === '/b') {
```

```
      app.render(req, res, '/b', query)
    } else {
      handle(req, res, parsedUrl)
    }
  }).listen(3002, (err) => {
    if (err) throw err
    console.log('> Ready on http://localhost:3002')
  })
})
```

Now update package.json for `admin rest`,

```
nano admin/package.json
```

and replace `start` script with this,

```
"start": "NODE_ENV=production node server.js"
```

Step 2 - Install & Build

go to your `pixer-laravel -> admin` folder again

To install all the npm packages run this command,

```
yarn
```

Again,

go to your `pixer-laravel -> shop` folder again

To install all the npm packages run this command,

```
yarn
```

Step 3 - Build the project

At first, make to copy the sample

At first, we've to copy the sample `.env.template` to production `.env` for the shop and admin first.

Go to,

```
cd shop
```

then use this command to copy,

```
cp .env.template .env
```

Now edit .env and add you `API` url to `.env`

```
nano .env
```

and use

```
```

```
NEXT_PUBLIC_REST_API_ENDPOINT=https://api.YOUR_DOMAIN.com/
```

After that, go to the `admin -> rest` folder,

```
cd ../admin
```

then use this command to copy,

```
cp .env.template .env
nano .env
```

and use

```
NEXT_PUBLIC_REST_API_ENDPOINT=https://api.YOUR_DOMAIN.com/
```

go to your `pixer-laravel -> admin` folder again

To install all the npm packages run this command,

```
yarn build
```

Again,

go to your `pixer-laravel -> shop` folder again

To install all the npm packages run this command,

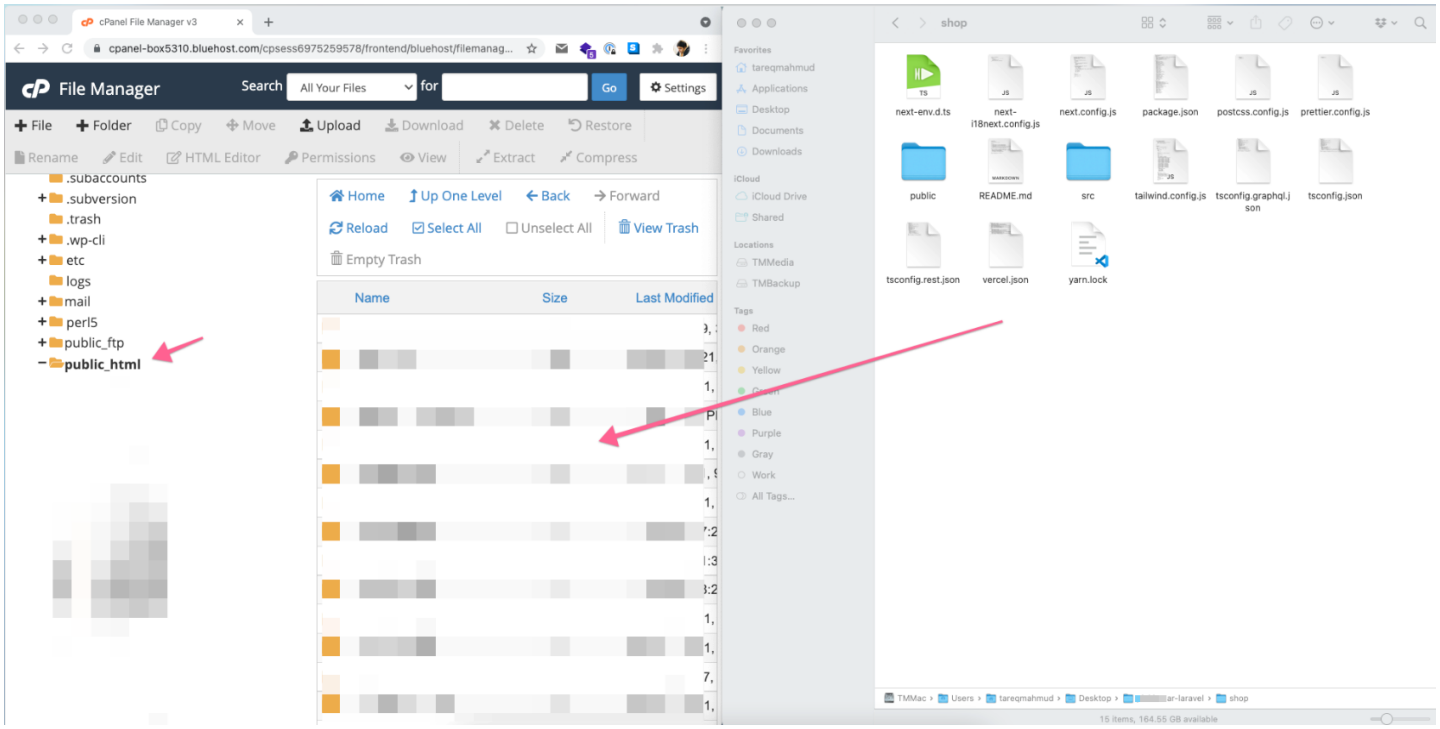
```
yarn build
```

and run,

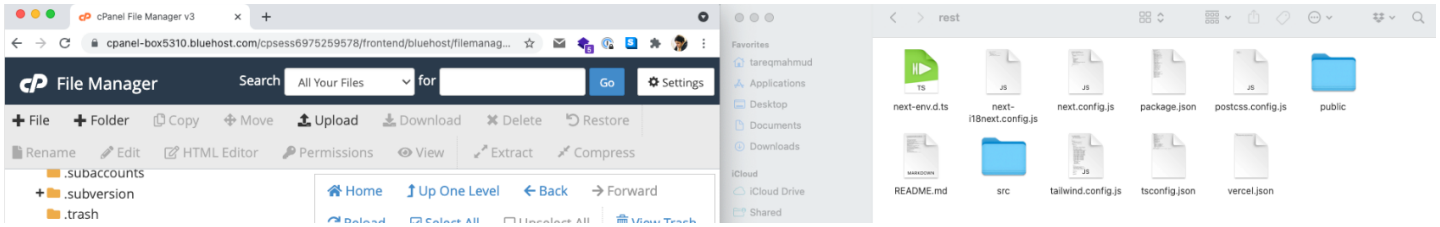
After build the project upload the

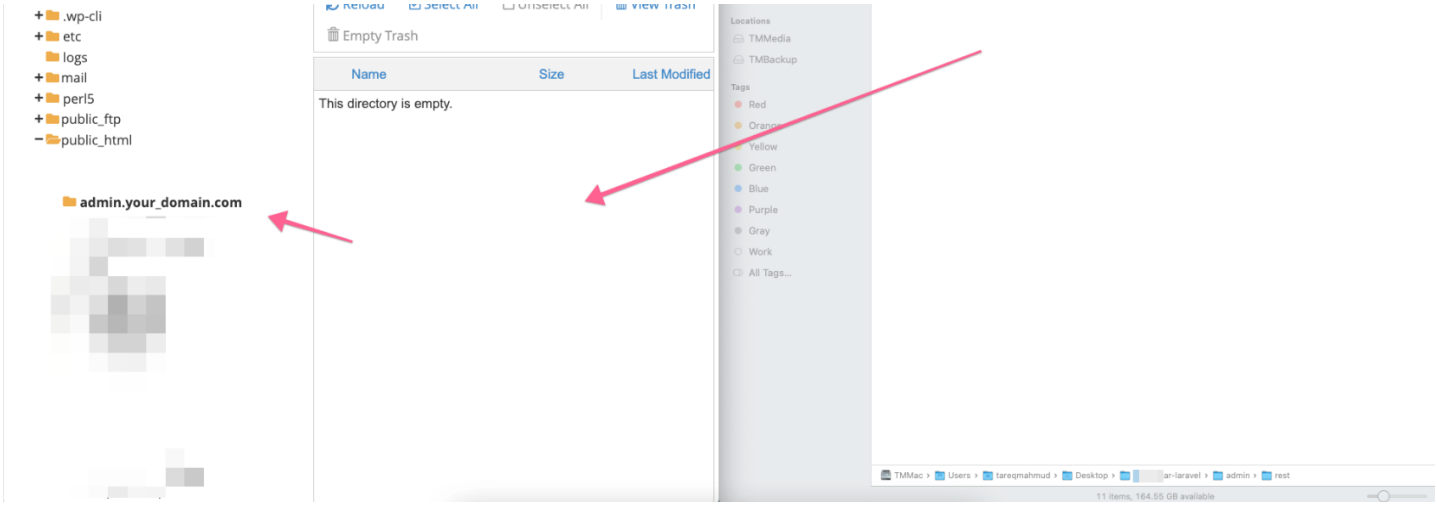
- `shop` to `root_domain -> public_html` folder
- `admin-rest` to `admin.your_domain.com` folder

`shop`,



`shop-admin`,



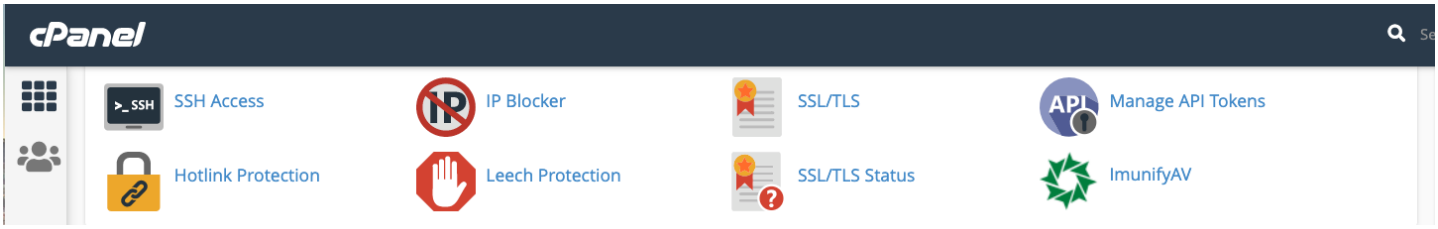


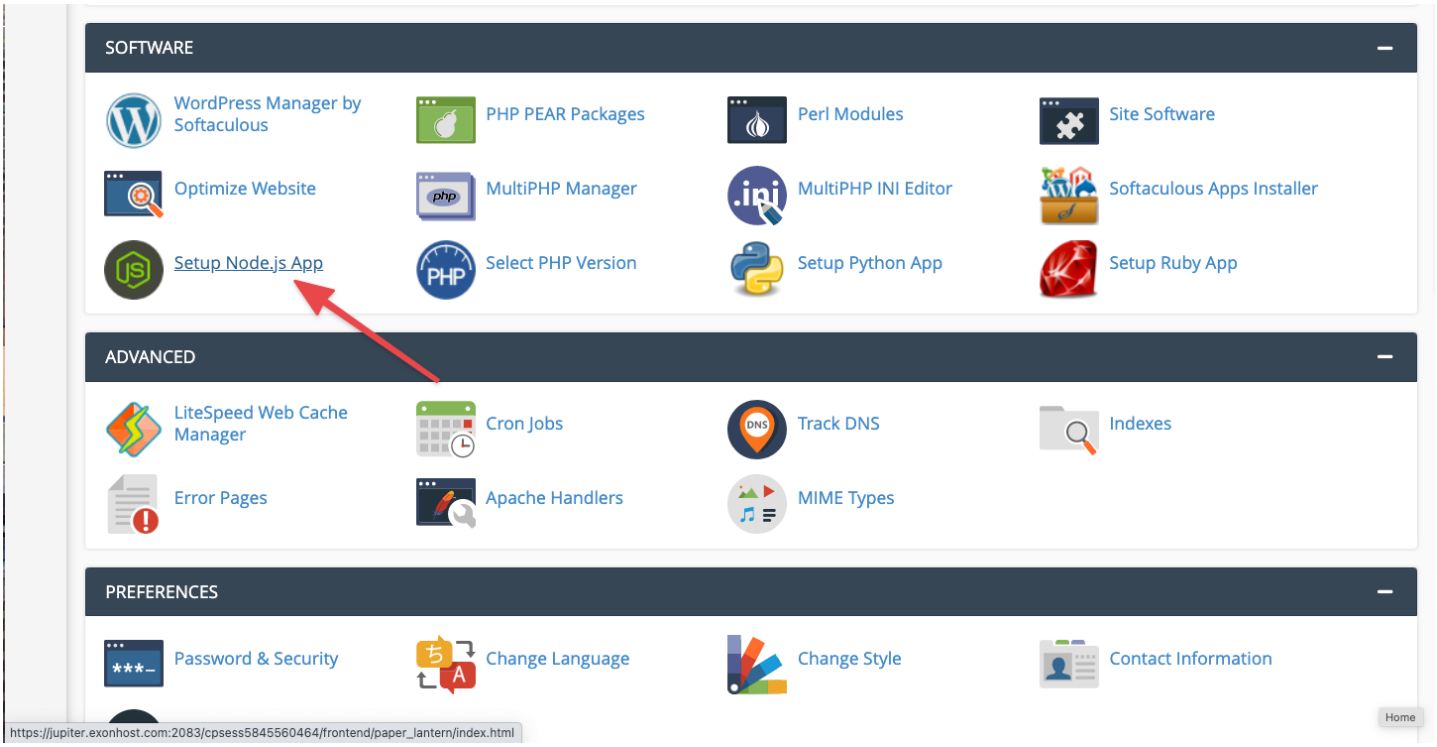
Install NodeJs Project

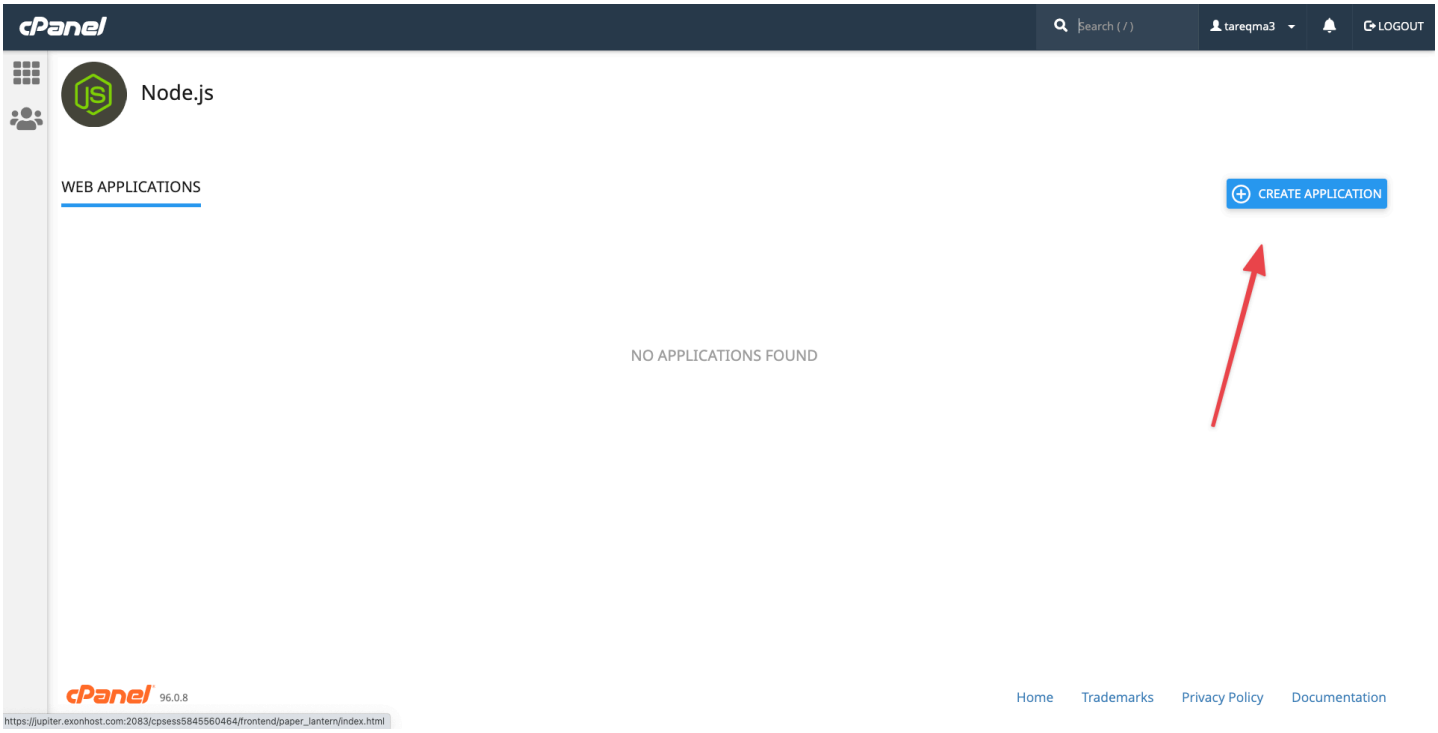
We'll run both `shop` and `admin` using the cPanel NodeJs application in this step.

To do that at first go to the NodeJS section from your cPanel,

For `shop`,



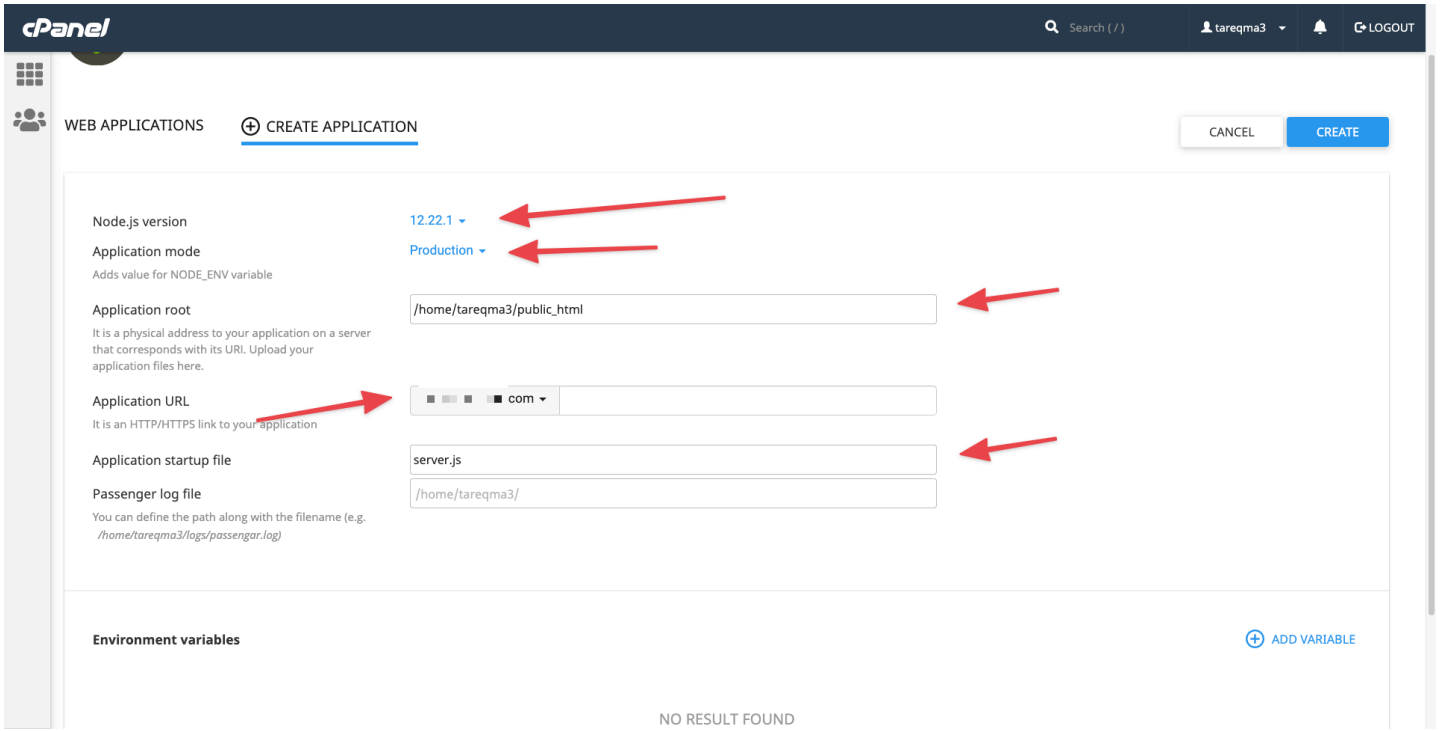




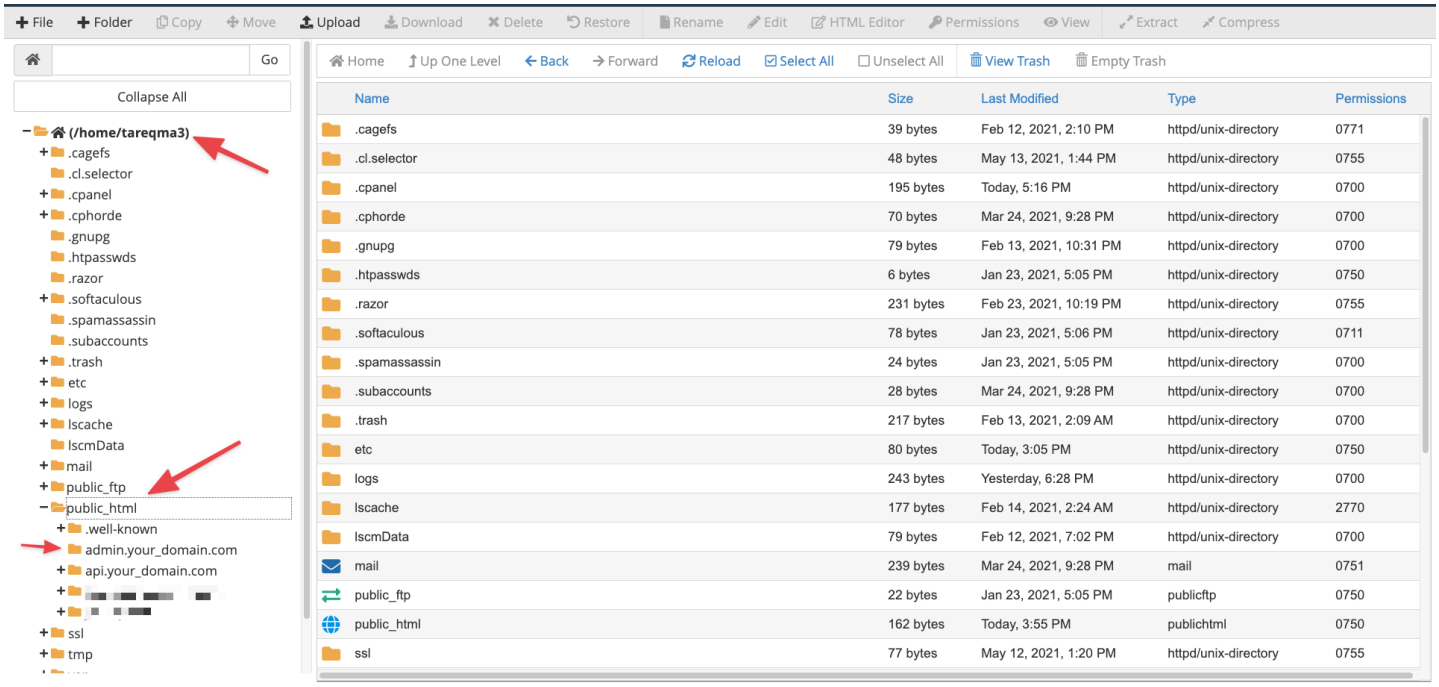
Now,

- Select NodeJS version
- Make environment `production.`

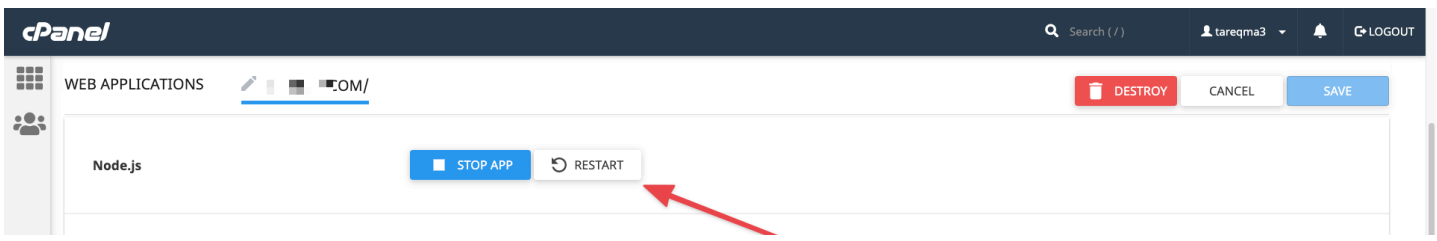
- Set Application Root
- And application startup file as `server.js`

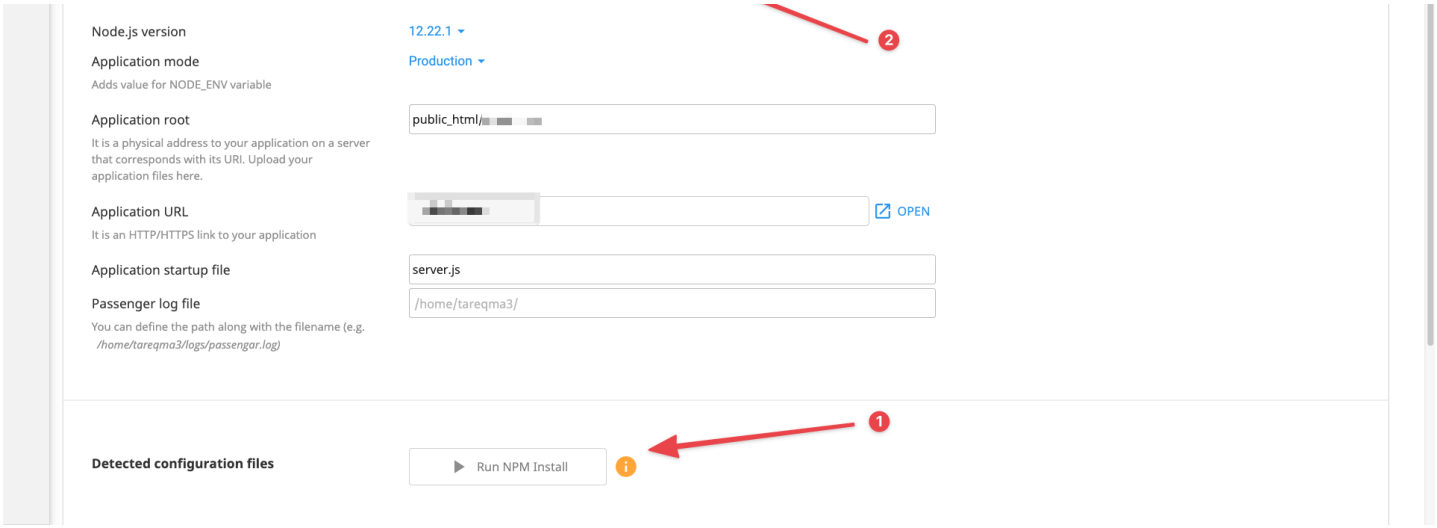


You can get the Application Path from your cPanel file manager



After create NodeJS app, `install all the packages` and `restart the app`,





For `admin`,

Similarly, create a another NodeJS application for admin with `admin subdomain` and `admin subdirectory`

> After installing and run both NodeJS application, you can access your domain to check Pixer,

Vercel

> [your-frontend-project] = `admin` or `shop`

- vercel.com

If you want to host the template in vercel.com then follow the below command

- **Frontend**

- **Step 1:**

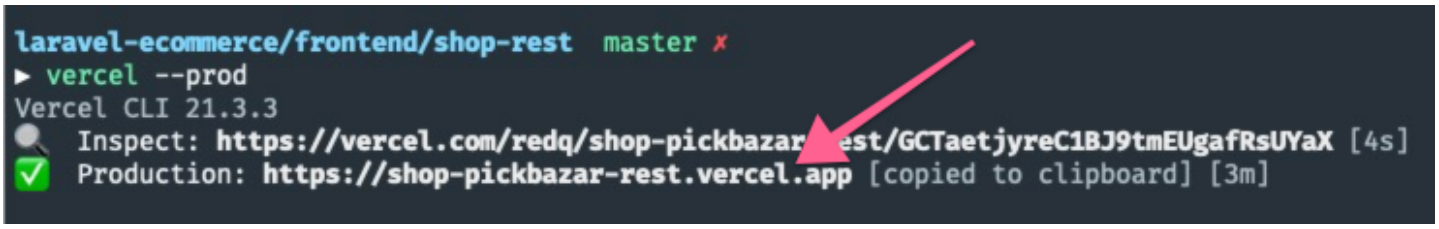
- After deploying the api you will get the api endpoint url. Put that url in the `[your-frontend-project]/.env` and `vercel.json` file.

```
NEXT_PUBLIC_REST_API_ENDPOINT=
'{put_your_api_url_here}'
```

Also, add others environment variables.

After that, run this command from `shop` and `admin -> rest.` folder

```
vercel
```



** NOTE: ** for deploying to `vercel` you need to install `vercel-cli` on your machine for more information please visit here

For others hosting providers:

Please follow nextjs deployment docs:

Please refer Nextjs deployment docs.

Pixer Update - Virutal Private Server

> If you follow this Virtual Private Server docs to host your site, then follow this documentation to update Pixer to a new version.

To build the frontend you've to update the `API` first. But before that this time, we'll use git and GitHub to make upload and download

relatively easy.

Step 1: Setup Git - Server

> This step is only for first update. From second update start from Step 2

At first, we've to install git on our server and config it.

- **Install git**

```
sudo apt install git
```

- **Config for first time**

```
```

```
git config --global user.email "you@example.com"
git config --global user.name "Your Name"
```

Make sure you change `you@example.com` and `Your Name` with your `email` and `name`.

Prepare Git Repository

At first, go to your `pixer` directory on your server,

```
cd /var/www/pixer
```

Then initialize a git on that folder,

```
git init
```

Create a new `.gitignore` file

```
```

```
nano .gitignore
```

and paste this code to that `.gitignore`,

```
# See https://help.github.com/articles/ignoring-files/ for more about ignoring files.

# dependencies
node_modules
/.pnp
.pnp.js

# testing
/coverage
# *~
*.swp
tmp/

# misc

.DS_Store

# If Packages have their independent repo
```

```
# /packages

# ignore log files
npm-debug.log*
yarn-debug.log*
yarn-error.log*
.idea/
.vscode/
node_modules/
.DS_Store
*.tgz
my-app*
lerna-debug.log
npm-debug.log*
yarn-debug.log*
yarn-error.log*
/.changelog
.npm/
packages/server/node_modules
packages/server/error.log
packages/server/debug.log

packages/web/.env
packages/reusecore
packages/cloud
```

```
.docz
.now
.vercel
```

After that, `save` that file and use this command for the initial commit,

```
git init
git add .
git commit -m "Initial commit"
```

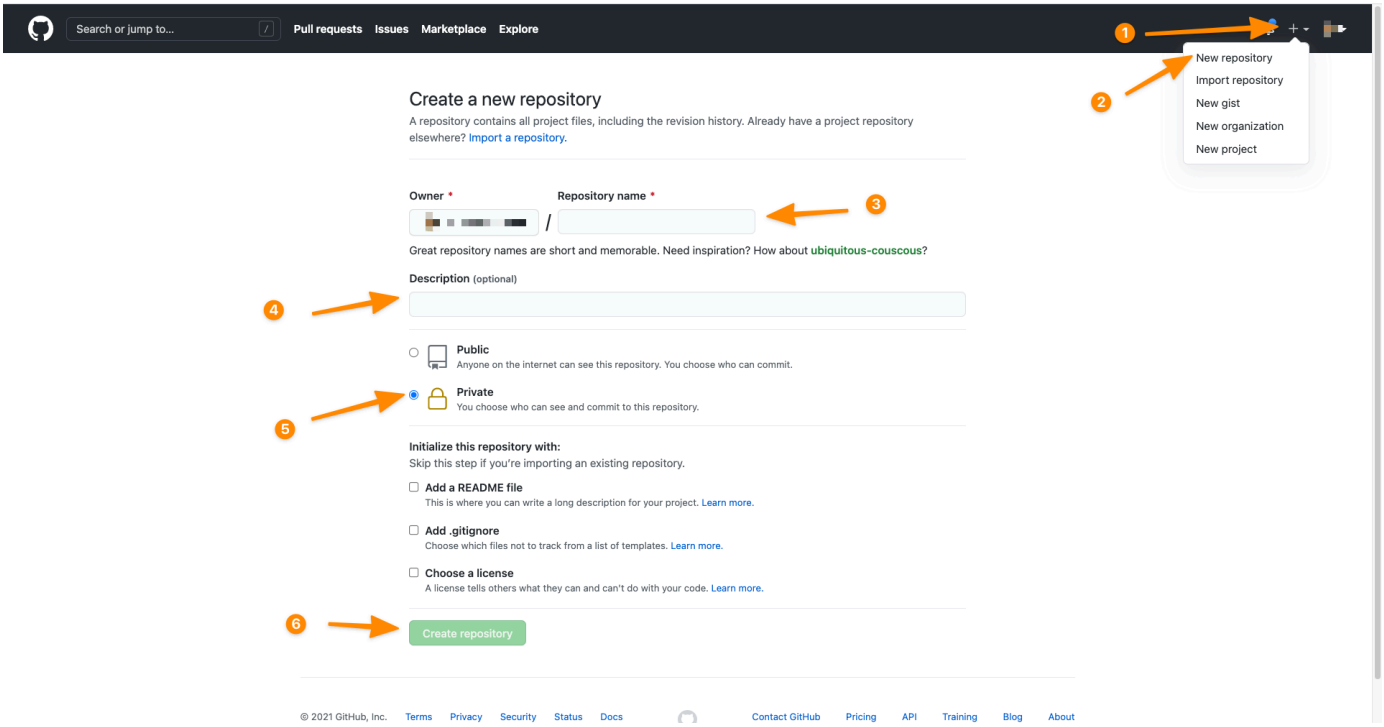
Create a separate branch to maintain the updated code.

```
git branch pixer
```

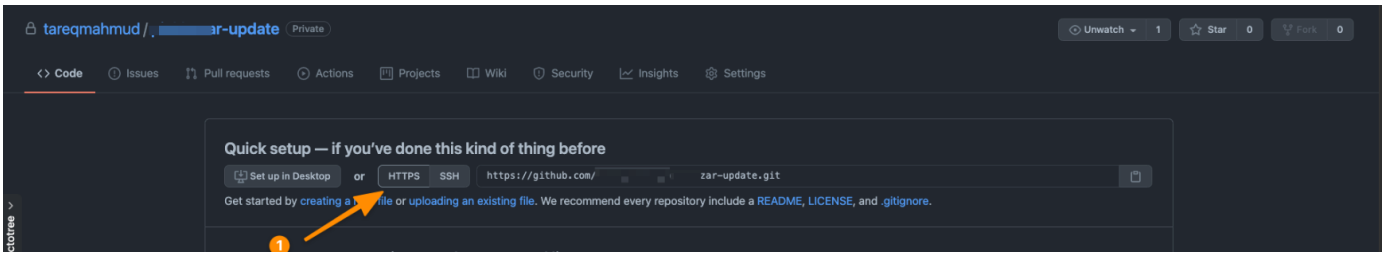
Git & Github

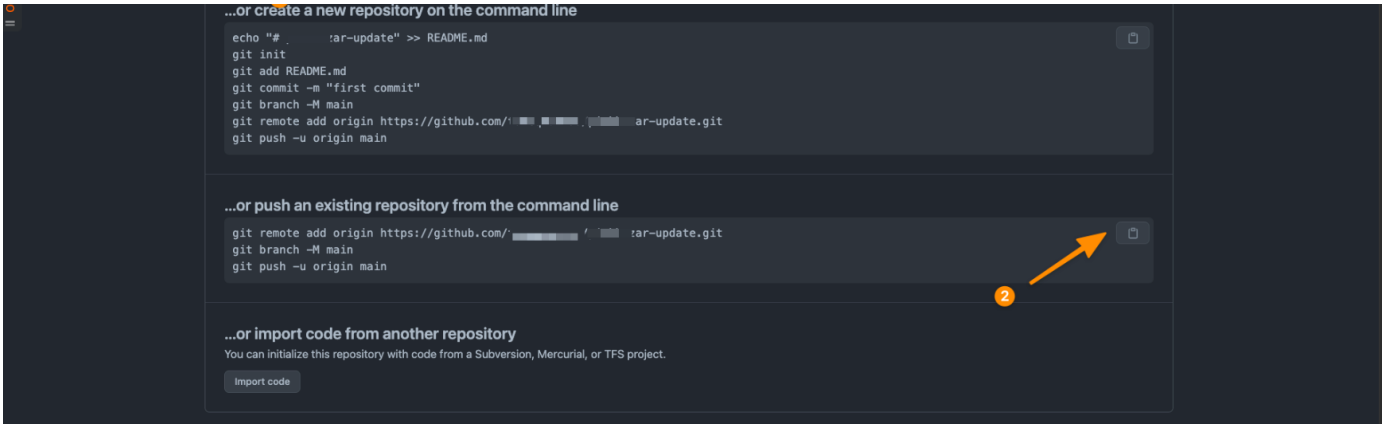
At first, go to https://github.com/ and create

an account first. If you already have an account then `Sign In` on that account. Then create a new repository,



After creating the repository you'll get a page like this and from this page copy the `second command block` and go to your `server` using `SSH & terminal`,





And `paste` that copied command to `pickabazar` folder and press `enter`

It'll ask your GitHub `username` and `password`, provide your GitHub `username` and `password`

Your existing repository is successfully connected with GitHub.

Step 2: Shut Down Current Process

At first use this command to shut down all the applications for update,

```
pm2 stop 'all'
```

Step 3: Local Repository & Updated Code

In this step,

- Clone that `GitHub repository` to your `local computer`
- Download `update package` from `CodeCanyon`
- Open your terminal and clone that repository to your computer
- Checkout to `pixer` branch

```
git checkout -b pixer
```

- replace `repository` file with downloaded `pixer-laravel` folder content.
- Then use this command to add all files to git

```
git add
```

```
git add .
git commit -m "Update Pixer API"
```

Merge new code with `main` branch

```
git checkout -b main
git merge pixer
```

> In this step, you'll face a merge conflict issue. Make sure you resolve all the conflicts to maintain your customization with the updated code. You can check this video about resolve merge conflict.

After `resolve` and `commit`, push the code to GitHub.

```
git push origin main
```

Step 4: Update API

In this step, go to your server terminal and go to `/var/www/pixer` directory and pull all updated code,

```
git pull origin main
```

After pull go to `api` folder,

```
cd api
```

and install composer package and optimize compiled file,

```
composer install
php artisan optimize
```

With that updated API will be installed. To check go to your `YOUR_API_DOMAIN/products`

Step 5: FrontEnd Project Build

Typescript requires a huge chunk of memory to build the project, so if your server has at least 8gb+ of memory, then you can build the project on your server directly. If not, then build the project on your server, then move the folder to the server then serve the project. We'll do the second method in this tutorial.

> We'll suggest you build the frontend part on your computer and then move the build file to

> the server using git and github.

Go to your `local git repository` using terminal.

Config Next Admin App For /admin Sub Directory

Edit `admin/next.config.js`,

add `basePath` for '/admin'

Install & Build

go to your `pixer-laravel -> admin` folder again

To install all the npm packages run this command,

```
yarn
```

Again,

go to your `pixer-laravel -> shop` folder again

To install all the npm packages run this command,

```
yarn
```

Build the project

go to your `pixer-laravel -> admin` folder again

To install all the npm packages run this command,

```
yarn build
```

Again,

go to your `pixer-laravel -> shop` folder again

To install all the npm packages run this command,

```
yarn build
```

Upload to GitHub

Use this command to add all files to git,

```
git add .
git commit -m "Build frontend"
git push origin main
```

Step 6: Upload Frontend & Run

At first go to your server `pixer` or `git` folder and use this command to pull all the build file,

```
git pull origin main
```

Then install all the node packages,

go to your `pixer-laravel -> admin` folder again

To install all the npm packages run this command,

```
yarn
```

Again,

go to your `pixer-laravel -> shop` folder again

To install all the npm packages run this command,

```
yarn
```

Run frontend app

Use this command to run frontend app as `PM2`

again.

```
pm2 start 'all'
```

Now go to Now, go to your `YOUR_DOMAIN` to access the shop page and `YOUR_DOMAIN/admin` for the access admin section.

SEO

For SEO, we use `Next SEO` packages, and we provide two boilerplates at

```bash
shop → src → components → seo
```

With that boilerplate, check `Next SEO` docs to use SEO on your pixer site,

https://github.com/garmeeh/next-seo

Analytics

We have not used any analytics integration in this template yet. But, you can easily integrate any

analytics using Next JS examples.

Introduction

Pixer is a laravel multi api package for ecommerce. This package is for building dynamic ecommerce site using pixer package with rest.

Getting Started

For getting started with the template you have to follow the below procedure. For quick guide you can check below videos for installation.

Prerequisites

- PHP 7.4

- Composer
- Xamp/Wamp/Lamp for any such application for apache, nginx, mysql

apache/ nginx/ mysql

- PHP plugins you must need
  - simplexml
  - PHP's dom extension
  - mbstring
  - GD Library

Resources you might need

https://laravel.com/docs/8.x
https://lighthouse-php.com/5/getting-started/installation.html
https://github.com/spatie/laravel-medialibrary
https://github.com/andersao/l5-repository
https://spatie.be/docs/laravel-permission/v3/introduction

Packages we have used

```
"nuwave/lighthouse": "^4.18.0",
```

```
"laravel/legacy-factories": "^1",
"cviebrock/eloquent-sluggable": "^8.0",
"laravel/sanctum": "^2.7",
"prettus/l5-repository": "^2.6",
"spatie/laravel-medialibrary": "^9.4.0",
"spatie/laravel-permission": "^3.11",
"php-http/guzzle7-adapter": "^0.1.1",
"bensampo/laravel-enum": "^3.1.0",
"league/flysystem-aws-s3-v3": "~1.0"
```

Installation

- Make sure you have run xamp/mamp/wamp/lamp for mysql and php
  - Create a database in your mysql and put those info in next step
  - Rename .env.example file to .env and provide necessary credentials. Like database credentials stripe credentials, s3

credentials(only if you use s3 disk) admin email shop url etc.

Specially check for this `env` variables

```
DB_HOST=localhost
DB_DATABASE=pickbazar_laravel
DB_USERNAME=root
DB_PASSWORD=
```

- Run `composer install`

```
▶ composer install
Installing dependencies from lock file (including require-dev)
Verifying lock file contents can be installed on current platform.
```

```
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: barryvdh/laravel-dompdf
Discovered Package: bensampo/laravel-enum
Discovered Package: cviebrock/eloquent-sluggable
Discovered Package: facade/ignition
Discovered Package: fideloper/proxy
Discovered Package: fruitcake/laravel-cors
Discovered Package: ignited/laravel-omnipay
```

```
Discovered Package: intervention/image
Discovered Package: laravel/legacy-factories
Discovered Package: laravel/sail
Discovered Package: laravel/sanctum
Discovered Package: laravel/tinker
Discovered Package: mll-lab/laravel-graphql-playground
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Discovered Package: nuwave/lighthouse
Discovered Package: pickbazar/shop
Discovered Package: prettus/l5-repository
Discovered Package: spatie/laravel-medialibrary
Discovered Package: spatie/laravel-permission
Package manifest generated successfully.
95 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
```

- run `php artisan key:generate`

```
▶ php artisan key:generate

Application key set successfully.
```

- Run `php artisan marvel:install` and follow necessary steps.

```
Installing Pickbazar Dependencies...

 Do you want to migrate Tables? If you have already run this command or migrated tables then be aware, it will erase all of your data. (yes/no) [no]:
 > yes

Migrating Tables Now....
Dropped all tables successfully.
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated:  2014_10_12_000000_create_users_table (79.70ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated:  2014_10_12_100000_create_password_resets_table (58.57ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated:  2019_08_19_000000_create_failed_jobs_table (79.56ms)
```

```
Migrating: 2019_12_14_000001_create_personal_access_tokens_table
Migrated:  2019_12_14_000001_create_personal_access_tokens_table (143.06ms)
Migrating: 2020_04_17_194830_create_permission_tables
Migrated:  2020_04_17_194830_create_permission_tables (839.79ms)
Migrating: 2020_06_02_051901_create_pickbazar_tables
Migrated:  2020_06_02_051901_create_pickbazar_tables (1,601.56ms)
Migrating: 2020_10_26_163529_create_media_table
Migrated:  2020_10_26_163529_create_media_table (71.72ms)
Tables Migration completed.

 Do you want to seed dummy data? (yes/no) [no]:
 > yes

Copying necessary files for seeding....
File copying successful
Seeding....
Seed completed successfully!

 Do you want to create an admin? (yes/no) [no]:
 > no

Copying resources files...
Installation Complete
```

- For image upload to work properly you need to run `php artisan storage:link`.

```
The [/var/www/html/public/storage] link has been connected to [/var/www/html/storage/app/public].
The links have been created.
```

- run `php artisan serve`

```
▶ php artisan serve
Starting Laravel development server: http://127.0.0.1:8000
[Sat Apr 10 16:35:26 2021] PHP 8.0.0 Development Server (http://127.0.0.1:8000) started
```

> NB: You must need to run `php artisan marvel:install` to finish the installation. Otherwise your api will not work properly. Run the command and follow the necessary steps.

> NB: your frontend `NEXT_PUBLIC_REST_API_ENDPOINT` env value will be `localhost:8000/`

For MAC and Linux(with sail and docker)

There is an alternate installation procedure for linux and mac. You can follow below procedure to getting started with `sail`

Prerequisites

- Docker

Installation Mac

Video

REST API

- Run Docker application first
- Now go to your nixer-laravel root directory

- Now go to your pixer laravel root directory and run `bash install.sh`. It will guide you through some process. Follow those steps carefully and your app will be up and running
- Navigate to `api` then `sail down` to stop the container. If you want to remove the volumes then `sail down -v`

> NB: your frontend `NEXT_PUBLIC_REST_API_ENDPOINT` env value will be `localhost/`

Configuration

All the configurations files are in `packages/marvel/config` folder. You can change any necessary configuration from these files.

You can also publishes the shop configuration using `artisan vendor:publish --provider="Marvel\ShopServiceProvider" --tag="config"` command in your root folder.

- Create .env file from our example.env file and put necessary configuration
- By default s3 is using for media storage but you can also use local folder. Change `MEDIA_DISK` IN `.env` file as your need. Supported options are `public` and 's3`
- Set Payment related configuration to `STRIPE_API_KEY` `.env` variable
- Set `ADMIN_EMAIL`, `SHOP_URL` and necessary Database credentials.

Console Commands

- `php artisan marvel:install` complete

installation with necessary steps

- `php artisan marvel:seed` seeding demo data
- `php artisan marvel:copy-files` copy necessary files
- `php artisan vendor:publish --provider="Marvel\ShopServiceProvider" --tag="config"` published the configuration file

All of the above custom command you will find in `packages/marvel/src/Console` folder.

Development

All the rest routes is resides in `packages/marvel/src/Rest/Routes.php` file and you can easily navigate to corresponding controller

and necessary files.

Endpoints

https://documenter.getpostman.com/view/11693148/UVC5Fo9R

Folder structure

config

The `packages/marvel/config` folder contains all the `config` for our app.

database

The `packages/marvel/database` folder contains all

the `factories` and `migrations`.

- **Http:**

  Contains two folders. `Controllers` and `Requests`. All the necessary controllers and requests are in this two folder.

- **Database:**

  Contains `Models` and `Repositories`. For repositories we have used `l5-repository` (https://github.com/andersao/l5-repository).

Enums

All the `enums` that are used throughout the app is in `packages/marvel/src/Enums` folder.

Events

All the events are in `packages/marvel/src/Events` folder.

folder.

Listeners

All the listeners corresponding to the above events are in `packages/marvel/src/Listeners` folder

Mail

All the mailables are in `packages/marvel/src/Mails` folder.

Notifications

Notifications related to order placed is reside `packages/marvel/src/Notifications`. Currently we have provided mail notification but you can

easily add others notification system using laravel conventions.

Providers

All the secondary service providers that we have used in our app resides in `packages/marvel/src/Providers` folder. The main `ShopServiceProviders` reside in `packages/marvel/src/` folder.

stubs

The `packages/marvel/stubs` folder contains all the necessary email templates and demo data related resources for the app.

> “
Before Finishing up

Before you finishes the installation process

make sure you have completed the below steps.

- Copied necessary files and content to your existing laravel projects(if using existing projects)
- Installed all the necessary dependencies.
- Ran `marvel:install` commands and followed the necessary steps.
- Created a .env file with all the necessary env variables in the provided projects.
- Put `DISK_NAME` configuration for `public` or 's3`
- Set Payment related configuration to `STRIPE_API_KEY`

Payment Gateway

We have used `omnipay` for payment and given `stripe` and `cash on delivery` default. We have

`stripe` and `cash_on_delivery` default. We have used `ignited/laravel-omnipay` by forking it in our packages due to some compatibility issue with Laravel 8.

Extending The Functionality

If you want to extend the functionality of the app you can easily do it on your app. You would not need to modify code from our packages folder. Like you can add any `routes` and corresponding `controller` in your laravel app as your need. We highly suggest you to do all the modification in your app so you can update the package easily.

Deployment

Its a basic laravel application so you can

deploy it as any other laravel application. Make sure you have installed all the php required plugins we mentioned above.

New Static Page

Both shop and admin are built using React NextJS framework. So all the existing pages are available to this location. You can create new pages from,

- **Shop,**

```
pixer-laravel/shop/src/pages
```

- **Admin,**

```
pixer-laravel/admin/src/pages
```

You can use the NextJS routing feature for the new pages. Check these official NextJS docs for pages and routing,

https://nextjs.org/docs/basic-features/pages

https://nextjs.org/docs/routing/introduction

Thank You!