In view

<div class="row">

@if(is\_array($products))

@if($product->all())

@foreach($products as $product)

@if(array\_key\_exists($product->category\_id,$cats))

<div class="col-md-4 col-sm-6">

<div class="single-listings-item">

<div class="thumb">

<img src="{{asset($product['image'])}}" alt="listing images">

<div class="tags">

<a href="{{route('product-detail',$product['id'])}}">{{$product['name']}}</a>

</div>

<div class="content">

<span class="rating">

{{ round($product->ratting->avg('rate')) }}

</span>

<div class="inner-content">

<div class="left-inner-content">

<a href="{{route('product-detail',$product['id'])}}">

<h4>

{{$product['title']}}

{{$product['user\_id']}}

</h4>

</a>

<span class="location">

{{$product->location->name}}

</span>

</div>

<div class="icon">

<a href="#"><i class="far fa-heart"></i></a>

</div>

</div>

</div>

</div>

</div>

</div>

@endif

@endforeach

@else

<div class="alert alert-danger text-center">

<h1>No Record Found...</h1>

</div>

@endif

@else

@if($products->all())

@foreach($products as $item)

<div class="col-md-4 col-sm-6">

<div class="single-listings-item">

<div class="thumb">

<img src="{{asset($item->image)}}" alt="listing images">

<div class="tags">

<a href="{{route('product-detail',$item->id)}}">{{$item->name}}</a>

</div>

<div class="content">

<span class="rating">

{{ round($item->ratting->avg('rate')) }}

</span>

<div class="inner-content">

<div class="left-inner-content">

<a href="{{route('product-detail',$item->id)}}"><h4>{{$item->title}}</h4></a>

<span class="location">

{{$item->location->name}}

</span>

</div>

<div class="icon">

<a href="#"><i class="far fa-heart"></i></a>

</div>

</div>

</div>

</div>

</div>

</div>

@endforeach

@else

<div class="alert alert-danger text-center">

<h1>No Record Found...</h1>

</div>

@endif

@endif

<div class="row text-center">

<div class="col-md-12">

</div>

</div>

</div>

In controller

public function searchProduct(Request $request){

$data = GeneralSetting::first();

$menus = Menu::get();

$categories = Category::where('status',1)->get();

$name = $request->name;

$locationId = $request->location\_id;

$categoryId = $request->category\_id;

$nameCat = empty($name) && empty($categoryId);

$nameLoc = empty($name) && empty($locationId);

$catLoc = empty($categoryId) && empty($locationId);

$notNameCat = !empty($name) && !empty($categoryId);

$notNameLoc = !empty($name) && !empty($locationId);

$notCatLoc = !empty($categoryId) && !empty($locationId);

if(empty($name) && $catLoc){

return back()->with('message','Please.. fill up at least one field to search..');

}

elseif($notNameCat && !empty($locationId)){

// search by all

$products = Product::where('status', 1)->where('location\_id',$request->location\_id)->where('category\_id',$request->category\_id)->where('name','LIKE','%'.$request->name.'%')->get();

}

elseif($notNameCat && empty($locationId)){

// search by name and category\_id

$products = Product::where('status', 1)->where('category\_id',$request->category\_id)->where('name','LIKE','%'.$request->name.'%')->get();

}

elseif($notNameLoc && empty($categoryId)){

// search only by name and location\_id

$products = Product::where('status', 1)->where('location\_id',$request->location\_id)->where('name','LIKE','%'.$request->name.'%')->get();

}

elseif($notCatLoc && empty($name)){

// search only by location\_id and category\_id

$products = Product::where('status', 1)->where('location\_id',$request->location\_id)->where('category\_id',$request->category\_id)->get();

}

elseif(!empty($name) && $catLoc){

// search only by name

$products = Product::where('status', 1)->where('name','LIKE','%'.$request->name.'%')->get();

}

elseif(!empty($categoryId) && $nameLoc){

// search only by category\_id

$products = Product::where('status', 1)->where('category\_id',$request->category\_id)->get();

}

elseif($nameCat && !empty($locationId)){

// search only by location\_id

$products = Product::where('status', 1)->where('location\_id',$request->location\_id)->get();

}

$cat = $categories->toArray();

$cats = [];

// dd($cat[0]['id']);

foreach($cat as $var){

$cats[$var['id']] = $var;

}

// dd($cats);

return view('frontend.product-search.index',[

'menus'=>$menus,

'categories'=>$categories,

'cats'=>$cats,

'products'=>$products,

'data'=>$data,

]);

}