

## App.js

```
const bgGreen = document.querySelector(".bg-green");
const wrap = document.querySelector(".wrap");
const items = document.querySelectorAll(".item");
const modalbody = document.querySelector(".modal-body");
const detailModal = new bootstrap.Modal(document.querySelector("#detailModal"));
const productTitle = document.querySelector("#productTitle");
const loadmore = document.querySelector(".load-more");
const loader = document.querySelector(".loader");
let productPhotos; let lateState; let nextPageUrl = "";

bgGreen.addEventListener("mousemove", function (e) {
  var x = e.clientX;
  let width = window.innerWidth;
  let percent = (x / width) * 100 - 20;
  wrap.style.transform = `translateX(${percent}%)`;
});

document.querySelector("#detailModal").addEventListener("hidden.bs.modal",
(event) => {
  bgGreen.style.top = "20%";
  bgGreen.style.transitionTimingFunction =
    "cubic-bezier(.17,.67,.59,1.51)";
});

async function getAllProducts() {
  loader.style.display = "unset";
  const url = "api/products/all";
  const response = await fetch(url);
  const result = await response.json();
  nextPageUrl = result.next_page_url;
  result.data.forEach((element) => {
    const item = `
    <div class="item">
    
    </div>
    `;
    wrap.innerHTML += item;
  });

  productPhotos = document.querySelectorAll(".product-photo");
  productPhotos.forEach((element) => {
    element.addEventListener("click", function () {
      bgGreen.style.top = "100%";
    });
  });
}
```

```

        bgGreen.style.transitionTimingFunction =
            "cubic-bezier(.27,-0.62,.83,.67)";
        getProductDetail(this.dataset.productId);
        detailModal.show();
    });
});
loader.style.display = "none";
}

getAllProducts();

async function getProductDetail(id) {
    const url = "api/products/detail";
    const data = { productId: id };
    const response = await fetch(url, {
        method: "POST",
        headers: {
            "Content-Type": "application/json",
            Accept: "application/json",
        },
        body: JSON.stringify(data),
    });
    const result = await response.json();
    productTitle.textContent = result.product_name;
    const item = `
        <div class="row">
            <div class="col-md-3">
                <p>
                    
                </p>
            </div>
            <div class="col-md-6">
                <p>${result.product_price}</p>
                <p>${result.product_description}</p>
            </div>
        </div>
    `;
    modalbody.innerHTML = item;
    lateState = window.location.pathname;
    history.pushState({}, "", "product.php?id=" + result.id);
    detailModal.show();
}

const myModalEl = document.getElementById("detailModal");
myModalEl.addEventListener("hide.bs.modal", (event) => {

```

```

    history.pushState({}, "", lateState);
  });

const inputKeyword = document.querySelector("#input-search");
const searchList = document.querySelector(".list-group");

async function getProducstByKeyword(keyword) {
  const url = "api/products/keyword";
  const data = { q: keyword };
  const response = await fetch(url, {
    method: "POST",
    headers: {
      "Content-Type": "application/json",
      Accept: "application/json",
    },
    body: JSON.stringify(data),
  });
  const result = await response.json();
  searchList.innerHTML = "";
  let item = "";
  result.forEach((element) => {
    item += `<li class="list-group-item" data-product-id="${element.id}">
    ${element.product_name}</li>`;
  });

  searchList.innerHTML += item;
  const listItem = document.querySelectorAll(".list-group-item");
  listItem.forEach((element) => {
    element.addEventListener("click", function () {
      inputKeyword.value = null;
      searchList.innerHTML = "";
      bgGreen.style.top = "100%";
      bgGreen.style.transitionTimingFunction =
        "cubic-bezier(.27,-0.62,.83,.67)";
      getProductDetail(this.dataset.productId);
      detailModal.show();
    });
  });
}

inputKeyword.addEventListener("keyup", function () {
  getProducstByKeyword(this.value);
});

```

```

loadmore.addEventListener("click", function () {
    loadMore();
});

async function loadMore() {
    loader.style.display = "unset";
    const response = await fetch(nextPageUrl);
    const result = await response.json();
    result.data.forEach((element) => {
        const item = `
        <div class="item">
        
        </div>
        `;
        wrap.innerHTML += item;
    });

    productPhotos = document.querySelectorAll(".product-photo");
    productPhotos.forEach((element) => {
        element.addEventListener("click", function () {
            bgGreen.style.top = "100%";
            bgGreen.style.transitionTimingFunction =
                "cubic-bezier(.27,-0.62,.83,.67)";
            getProductDetail(this.dataset.productId);
            detailModal.show();
        });
    });
    loader.style.display = "none";
    nextPageUrl = result.next_page_url;
    if (nextPageUrl == null) {
        loadmore.style.display = "none";
    }
}

```

## ProductController

```

public function getProductByAPI()
{
    $result = Product::paginate(5);
    return $result;
}

public function getProductDetailAPI(Request $request) {

```

```

        $id = $request->productId;
        $product = Product::find($id);
        return $product;
    }
    public function getProductByKeywordAPI(Request $request) {
        $keyword = '%' . $request->q . '%';
        $product = Product::where('product_name', 'like', $keyword)->get();
        return $product;
    }

```

[Home.blade.php](#)

```

<x-layout>
    <form class="d-flex" role="search" id="form-search">
        <input class="form-control me-2" type="search" placeholder="Search"
        aria-label="Search" id="input-search">
        <button class="btn btn-outline-success" type="submit">Search</button>
        <div class="search-result"><ul class="list-group"></ul></div>
    </form>
    
    <div class="bg-green">
        <button class="btn btn-primary load-more">Loadmore</button>
    </div>
    <div class="modal fade" id="detailModal" tabindex="-1" aria-
    labelledby="exampleModalLabel" aria-hidden="true">
        <div class="modal-dialog modal-xl">
            <div class="modal-content">
                <div class="modal-header">
                    <h1 class="modal-title fs-5" id="productTitle">Modal title</h1>
                    <button type="button" class="btn-close" data-bs-dismiss="modal"
                    aria-label="Close"></button>
                </div>
                <div class="modal-body"></div>
                <div class="modal-footer">
                    <button type="button" class="btn btn-secondary" data-bs-
                    dismiss="modal">Close</button>
                </div>
            </div>
        </div>
    </div>
</x-layout>

```

```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/js/bootstrap.bundle.min.js"></script>
<script src="{{ asset('assets/js/app.js') }}"></script>
<link rel="stylesheet" href="{{ asset('/css/styles.css') }}" type="text/css">
<link rel="stylesheet"
href="http://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css">
```

## Api

```
Route::get('/products/all', [ProductController::class, 'getProductByAPI']);
Route::post('/products/detail', [ProductController::class,
'getProductDetailAPI']);
Route::post('/products/keyword', [ProductController::class,
'getProductByKeywordAPI']);
```

## Styles.css

<pre>body {     margin: 0; } .bg-green{     position: fixed;     width: 100%;     height: 400px;     top: 20%;     transition: 0.3s; } .item{     width: 200px;     height: 200px;     margin: 0 20px; } .item:hover{     transform: scale(1.2);     box-shadow: 1px 10px 20px #000; }</pre>	<pre>.wrap{     position: absolute;     display: flex;     flex-wrap: nowrap;     padding: 0 100px; } #form-search{     position: relative; } .search-result{     position: absolute;     z-index: 100;     top: 100%;     left: 0;     right: 0; }</pre>
--	---

## Model.php

```

<?php
class Model
{
    public static $connection = NULL;
    public function __construct(){
        if(!self::$connection) {
            self::$connection = new mysqli(DB_HOST, DB_USER, DB_PASS, DB_NAME);
            self::$connection->set_charset('utf8mb4');
        }
        return self::$connection;}
    public function select($sql){
        $items = [];
        $sql->execute();
        $items = $sql->get_result()->fetch_all(MYSQLI_ASSOC);
        return $items;}
}

```

ProductModel.php

```

    public function getAllProducts()
    {
        $sql = parent::$connection->prepare('SELECT * FROM products');
        return parent::select($sql);
    }

    public function getProductById($id){
        $sql = parent::$connection->prepare('SELECT * FROM products WHERE id=?');
        $sql->bind_param('i', $id);
        return parent::select($sql)[0];}

    public function getProductsByKeyword($q){

        $sql = parent::$connection->prepare('SELECT * FROM products WHERE product_name
        LIKE ?');

        $q = "%{$q}%";
        $sql->bind_param('s', $q);
        return parent::select($sql);}

```

getallproduct.php

```

<?php
require_once './config/database.php';
spl_autoload_register(function ($className)
{
    require_once "./app/models/$className.php";
});
$productModel = new ProductModel();
$productList = $productModel->getAllProducts();
echo json_encode($productList);

```

```
getproductbyid.php
$input = json_decode(file_get_contents('php://input'), true);
$id = $input['productId'];
$productModel = new productModel();
$item = $productModel->getProductById($id);
echo json_encode($item);
```

```
getproductbykeyword.php
$input = json_decode(file_get_contents('php://input'), true);
$q = $input['q'];
$productModel = new ProductModel();
$productList = $productModel->getProductsByKeyword($q);
echo json_encode($productList);
```