Phase3 Project: Sporty Shoes Website.

Name :Regina

Surname : Machava

Full Stack Developer

GitHub link:

Java Controllers:

AdminController

package com.e\_commerce\_website.controller;

import java.io.IOException;

import java.nio.file.Files;

import java.nio.file.Path;

import java.nio.file.Paths;

import java.util.ArrayList;

import java.util.List;

import java.util.Optional;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Controller;

import org.springframework.ui.Model;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.ModelAttribute;

import org.springframework.web.bind.annotation.PathVariable;

import org.springframework.web.bind.annotation.PostMapping;

import org.springframework.web.bind.annotation.RequestParam;

import org.springframework.web.multipart.MultipartFile;

import com.e\_commerce\_website.dto.ProductDTO;

import com.e\_commerce\_website.global.PurchaseReport;

import com.e\_commerce\_website.model.Category;

import com.e\_commerce\_website.model.Product;

import com.e\_commerce\_website.model.Purchase;

import com.e\_commerce\_website.model.User;

import com.e\_commerce\_website.repository.UserRepository;

import com.e\_commerce\_website.service.CategoryService;

import com.e\_commerce\_website.service.ProductService;

import com.e\_commerce\_website.service.PurchaseService;

@Controller

public class AdminController {

public static String uploadDir = System.getProperty("user.dir") + "/src/main/resources/static/productImages";

@Autowired

CategoryService categoryService;

@Autowired

ProductService productService;

@Autowired

PurchaseService purchaseService;

@Autowired

UserRepository userRepository;

@GetMapping("/admin")

public String adminHome() {

return "adminHome";

}

@GetMapping("/admin/categories")

public String getCat(Model model) {

model.addAttribute("categories" , categoryService.getAllCategories());

return "categories";

}

@GetMapping("/admin/categories/add")

public String getCatAdd(Model model) {

model.addAttribute("category" , new Category());

return "categoriesAdd";

}

@PostMapping("/admin/categories/add")

public String postCatAdd(@ModelAttribute("category") Category category) {

categoryService.addCategory(category);

return "redirect:/admin/categories";

}

@GetMapping("/admin/categories/delete/{id}")

public String deleteCat(@PathVariable int id) {

categoryService.removeCategoryById(id);

return "redirect:/admin/categories";

}

@GetMapping("/admin/categories/update/{id}")

public String updateCat(@PathVariable int id , Model model) {

Optional<Category> category = categoryService.getCatById(id);

if(category.isPresent()) {

model.addAttribute("category" , category.get());

return "categoriesAdd";

}else {

return "404";

}

}

// Product Section

@GetMapping("/admin/products")

public String showProducts(Model model) {

model.addAttribute("products" , productService.getAllProducts());

return "products";

}

@GetMapping("/admin/products/add")

public String addProduct(Model model) {

model.addAttribute("productDTO" , new ProductDTO());

model.addAttribute("categories" , categoryService.getAllCategories());

return "productsAdd";

}

@PostMapping("/admin/products/add")

public String productAddPost(@ModelAttribute ("productDTO") ProductDTO productDTO ,

@RequestParam("productImage") MultipartFile file,

@RequestParam("imgName") String imgName) throws IOException {

Product product = new Product();

product.setId(productDTO.getId());

product.setName(productDTO.getName());

product.setCategory(categoryService.getCatById(productDTO.getCategoryId()).get());

product.setPrice(productDTO.getPrice());

product.setWeight(productDTO.getWeight());

product.setDescription(productDTO.getDescription());

String imageUUID;

if (!file.isEmpty()) {

imageUUID = file.getOriginalFilename();

Path fileNameAndPath = Paths.get(uploadDir, imageUUID);

Files.write(fileNameAndPath, file.getBytes());

}else {

imageUUID = imgName;

}

product.setImageName(imageUUID);

productService.addProduct(product);

return "redirect:/admin/products";

}

@GetMapping("/admin/product/delete/{id}")

public String deleteProd(@PathVariable long id) {

productService.removeProductById(id);

return "redirect:/admin/products";

}

@GetMapping("/admin/product/update/{id}")

public String updateProd(@PathVariable long id , Model model) {

Product product = productService.getProductById(id).get();

ProductDTO productDTO = new ProductDTO();

productDTO.setId(product.getId());

productDTO.setName(product.getName());

productDTO.setCategoryId(product.getCategory().getId());

productDTO.setPrice(product.getPrice());

productDTO.setWeight(product.getWeight());

productDTO.setDescription(product.getDescription());

productDTO.setImageName(product.getImageName());

model.addAttribute("productDTO" , productDTO);

model.addAttribute("categories" , categoryService.getAllCategories());

return "productsAdd";

}

//Purchase Report

@GetMapping("/admin/purchaseReport")

public String purchaseReport(Model model) {

List<Purchase>purchaseList = purchaseService.getAllPurchases();

List<PurchaseReport>purchaseReportList = new ArrayList<PurchaseReport>();

for(Purchase pur : purchaseList) {

Product product = new Product();

User user = new User();

Category category = new Category();

PurchaseReport purchaseReport = new PurchaseReport();

Long productId = pur.getProductId();

int userId = pur.getUserId();

product = productService.getProductById(productId).get();

user = userRepository.findById(userId).get();

category = product.getCategory();

purchaseReport.setEmail(user.getEmail());

purchaseReport.setName(user.getFirstName());

purchaseReport.setProductId(product.getId());

purchaseReport.setProductName(product.getName());

purchaseReport.setPrice(product.getPrice());

purchaseReport.setDate(pur.getOrderDate().toString());

purchaseReport.setCategory(category.getName());

//System.out.println(purchaseReport.getEmail() + " " + purchaseReport.getProductId() + " " + purchaseReport.getDate());

purchaseReportList.add(purchaseReport);

}

model.addAttribute("puchaseList" , purchaseReportList);

return "purchaseReport";

}

@GetMapping("/admin/users")

public String listUsers(Model model) {

List<User>userList = userRepository.findAll();

model.addAttribute("userlist" , userList);

return "userList";

}

}

CartController:

**import** java.time.LocalDate;

**import** java.util.ArrayList;

**import** java.util.List;

**import** java.util.Random;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.security.core.Authentication;

**import** org.springframework.security.core.context.SecurityContextHolder;

**import** org.springframework.stereotype.Controller;

**import** org.springframework.ui.Model;

**import** org.springframework.web.bind.annotation.GetMapping;

**import** org.springframework.web.bind.annotation.PathVariable;

**import** org.springframework.web.bind.annotation.PostMapping;

**import** com.e\_commerce\_website.global.GlobalData;

**import** com.e\_commerce\_website.model.Product;

**import** com.e\_commerce\_website.model.Purchase;

**import** com.e\_commerce\_website.model.User;

**import** com.e\_commerce\_website.repository.PurchaseRepository;

**import** com.e\_commerce\_website.repository.UserRepository;

**import** com.e\_commerce\_website.service.ProductService;

@Controller

**public** **class** CartController {

@Autowired

ProductService productService;

@Autowired

UserRepository userRepository;

@Autowired

PurchaseRepository purchaseRepository;

@GetMapping("/addToCart/{id}")

**public** String addToCart(@PathVariable **int** id) {

GlobalData.*cart*.add(productService.getProductById(id).get());

**return** "redirect:/shop";

}

@GetMapping("/cart")

**public** String cartGet(Model model) {

model.addAttribute("cartCount" , GlobalData.*cart*.size());

model.addAttribute("total" , GlobalData.*cart*.stream().mapToDouble(Product::getPrice).sum());

model.addAttribute("cart" , GlobalData.*cart*);

**return** "cart";

}

@GetMapping("/cart/removeItem/{index}")

**public** String cartItemRemove(@PathVariable **int** index) {

GlobalData.*cart*.remove(index);

**return** "redirect:/cart";

}

@GetMapping("/checkout")

**public** String checkout(Model model) {

model.addAttribute("total" , GlobalData.*cart*.stream().mapToDouble(Product::getPrice).sum());

**return** "checkout";

}

@PostMapping("/payNow")

**public** String orderConfirmation(Model model) {

model.addAttribute("total" , GlobalData.*cart*.stream().mapToDouble(Product::getPrice).sum());

Authentication auth = SecurityContextHolder.*getContext*().getAuthentication();

String currentPrincipalName = auth.getName();

List<Purchase>purchaseList = **new** ArrayList<Purchase>();

//System.out.println(currentPrincipalName);

User user = userRepository.findUserByEmail(currentPrincipalName).get();

**for**(Product product: GlobalData.*cart*) {

Purchase purchase = **new** Purchase();

//System.out.println(product.getId() + " " + product.getName());

purchase.setProductId(product.getId());

purchase.setUserId(user.getId());

purchase.setOrderDate(LocalDate.*now*());

purchaseList.add(purchase);

}

**int** n = 10000 + **new** Random().nextInt(90000);

model.addAttribute("Reciept" , n);

//System.out.println(purchaseList.toString());

model.addAttribute("products" , GlobalData.*cart*);

purchaseRepository.saveAll(purchaseList);

**return** "orderPlaced";

}

}

HomeController:

**package** com.e\_commerce\_website.controller;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.stereotype.Controller;

**import** org.springframework.ui.Model;

**import** org.springframework.web.bind.annotation.GetMapping;

**import** org.springframework.web.bind.annotation.PathVariable;

**import** com.e\_commerce\_website.global.GlobalData;

**import** com.e\_commerce\_website.service.CategoryService;

**import** com.e\_commerce\_website.service.ProductService;

@Controller

**public** **class** HomeController {

@Autowired

CategoryService categoryService;

@Autowired

ProductService productService;

@GetMapping({"/" , "/home"})

**public** String home(Model model) {

model.addAttribute("cartCount" , GlobalData.*cart*.size());

**return** "index";

}

@GetMapping("/shop")

**public** String shop(Model model) {

model.addAttribute("cartCount" , GlobalData.*cart*.size());

model.addAttribute("categories" , categoryService.getAllCategories());

model.addAttribute("products" , productService.getAllProducts());

**return** "shop";

}

@GetMapping("/shop/category/{id}")

**public** String shopByCategory(Model model , @PathVariable **int** id) {

model.addAttribute("cartCount" , GlobalData.*cart*.size());

model.addAttribute("categories" , categoryService.getAllCategories());

model.addAttribute("products" , productService.getAllProductsByCategoryId(id));

**return** "shop";

}

@GetMapping("/shop/viewproduct/{id}")

**public** String viewProduct(Model model , @PathVariable **long** id) {

model.addAttribute("product" , productService.getProductById(id).get());

model.addAttribute("cartCount" , GlobalData.*cart*.size());

**return** "viewProduct";

}

}

LoginController:

**package** com.e\_commerce\_website.controller;

**import** java.util.ArrayList;

**import** java.util.List;

**import** javax.servlet.ServletException;

**import** javax.servlet.http.HttpServletRequest;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.security.crypto.bcrypt.BCryptPasswordEncoder;

**import** org.springframework.stereotype.Controller;

**import** org.springframework.web.bind.annotation.GetMapping;

**import** org.springframework.web.bind.annotation.ModelAttribute;

**import** org.springframework.web.bind.annotation.PostMapping;

**import** com.e\_commerce\_website.global.GlobalData;

**import** com.e\_commerce\_website.model.Role;

**import** com.e\_commerce\_website.model.User;

**import** com.e\_commerce\_website.repository.RoleRepository;

**import** com.e\_commerce\_website.repository.UserRepository;

@Controller

**public** **class** LoginController {

@Autowired

**private** BCryptPasswordEncoder bCryptPasswordEncoder;

@Autowired

UserRepository userRepository;

@Autowired

RoleRepository roleRepository;

@GetMapping("/login")

**public** String login() {

GlobalData.*cart*.clear();

**return** "login";

}

@GetMapping("/register")

**public** String registerGet() {

**return** "register";

}

@PostMapping("/register")

**public** String registerPost(@ModelAttribute("user") User user , HttpServletRequest request) **throws** ServletException {

String passoword = user.getPassword();

user.setPassword(bCryptPasswordEncoder.encode(passoword));

List<Role>roles = **new** ArrayList<Role>();

roles.add(roleRepository.findById(2).get());

user.setRoles(roles);

userRepository.save(user);

request.login(user.getEmail(), passoword);

**return** "redirect:/";

}

}

Java Model:

Category model:

**package** com.e\_commerce\_website.model;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

@Entity

**public** **class** Category {

@Id

@GeneratedValue(strategy = GenerationType.***AUTO***)

@Column(name = "category\_id")

**private** **int** id;

**private** String name;

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

}

Customer Detail Model:

**package** com.e\_commerce\_website.model;

**import** java.util.ArrayList;

**import** java.util.Collection;

**import** java.util.List;

**import** org.springframework.security.core.GrantedAuthority;

**import** org.springframework.security.core.authority.SimpleGrantedAuthority;

**import** org.springframework.security.core.userdetails.UserDetails;

@SuppressWarnings("serial")

**public** **class** CustomUserDetail **extends** User **implements** UserDetails {

**public** CustomUserDetail(User user) {

**super**(user);

}

@Override

**public** Collection<? **extends** GrantedAuthority> getAuthorities() {

List<GrantedAuthority>authorityList = **new** ArrayList<GrantedAuthority>();

**super**.getRoles().forEach(role -> {

authorityList.add(**new** SimpleGrantedAuthority(role.getName()));

});

**return** authorityList;

}

@Override

**public** String getPassword() {

// **TODO** Auto-generated method stub

**return** **super**.getPassword();

}

@Override

**public** String getUsername() {

// **TODO** Auto-generated method stub

**return** **super**.getEmail();

}

@Override

**public** **boolean** isAccountNonExpired() {

// **TODO** Auto-generated method stub

**return** **true**;

}

@Override

**public** **boolean** isAccountNonLocked() {

// **TODO** Auto-generated method stub

**return** **true**;

}

@Override

**public** **boolean** isCredentialsNonExpired() {

// **TODO** Auto-generated method stub

**return** **true**;

}

@Override

**public** **boolean** isEnabled() {

// **TODO** Auto-generated method stub

**return** **true**;

}

}

Product model:

**package** com.e\_commerce\_website.model;

**import** javax.persistence.Entity;

**import** javax.persistence.FetchType;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.JoinColumn;

**import** javax.persistence.ManyToOne;

@Entity

**public** **class** Product {

@Id

@GeneratedValue(strategy = GenerationType.***AUTO***)

**private** Long id;

**private** String name;

@ManyToOne(fetch = FetchType.***LAZY***)

@JoinColumn(name = "category\_id" , referencedColumnName = "category\_id")

**private** Category category;

**private** **double** price;

**private** **double** weight;

**private** String description;

**private** String imageName;

**public** Long getId() {

**return** id;

}

**public** **void** setId(Long id) {

**this**.id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** Category getCategory() {

**return** category;

}

**public** **void** setCategory(Category category) {

**this**.category = category;

}

**public** **double** getPrice() {

**return** price;

}

**public** **void** setPrice(**double** price) {

**this**.price = price;

}

**public** **double** getWeight() {

**return** weight;

}

**public** **void** setWeight(**double** weight) {

**this**.weight = weight;

}

**public** String getDescription() {

**return** description;

}

**public** **void** setDescription(String description) {

**this**.description = description;

}

**public** String getImageName() {

**return** imageName;

}

**public** **void** setImageName(String imageName) {

**this**.imageName = imageName;

}

}

Purchase model:

**package** com.e\_commerce\_website.model;

**import** java.time.LocalDate;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

@Entity

**public** **class** Purchase {

@Id

@GeneratedValue(strategy = GenerationType.***SEQUENCE***)

**private** **long** id;

**private** **int** userId;

**private** Long productId;

@Column(name = "order\_date")

**private** LocalDate orderDate;

**public** **long** getId() {

**return** id;

}

**public** **void** setId(**long** id) {

**this**.id = id;

}

**public** **int** getUserId() {

**return** userId;

}

**public** **void** setUserId(**int** userId) {

**this**.userId = userId;

}

**public** Long getProductId() {

**return** productId;

}

**public** **void** setProductId(Long productId) {

**this**.productId = productId;

}

**public** LocalDate getOrderDate() {

**return** orderDate;

}

**public** **void** setOrderDate(LocalDate orderDate) {

**this**.orderDate = orderDate;

}

}

Role model:

**package** com.e\_commerce\_website.model;

**import** java.util.List;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.ManyToMany;

**import** javax.persistence.Table;

**import** javax.validation.constraints.NotEmpty;

@Entity

@Table(name = "roles")

**public** **class** Role {

@Id

@GeneratedValue(strategy = GenerationType.***AUTO***)

**private** Integer id;

@Column(nullable = **false** , unique = **true**)

@NotEmpty

**private** String name;

@ManyToMany(mappedBy = "roles")

**private** List<User>users;

**public** Integer getId() {

**return** id;

}

**public** **void** setId(Integer id) {

**this**.id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** List<User> getUsers() {

**return** users;

}

**public** **void** setUsers(List<User> users) {

**this**.users = users;

}

}

User model:

**package** com.e\_commerce\_website.model;

**import** java.util.List;

**import** javax.persistence.CascadeType;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.FetchType;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.JoinColumn;

**import** javax.persistence.JoinTable;

**import** javax.persistence.ManyToMany;

**import** javax.persistence.Table;

**import** javax.validation.constraints.Email;

**import** javax.validation.constraints.NotEmpty;

@Entity

@Table(name = "users")

**public** **class** User {

@Id

@GeneratedValue(strategy = GenerationType.***AUTO***)

**private** Integer id;

@NotEmpty

@Column(nullable = **false**)

**private** String firstName;

**private** String lastName;

@NotEmpty

@Column(nullable = **false** , unique = **true**)

@Email(message = "{errors.invalid\_email}")

**private** String email;

**private** String password;

@ManyToMany(cascade = CascadeType.***MERGE*** , fetch = FetchType.***EAGER***)

@JoinTable(

name = "user\_role",

joinColumns = {@JoinColumn( name = "USER\_ID" , referencedColumnName = "ID" )},

inverseJoinColumns = {@JoinColumn( name = "ROLE\_ID" , referencedColumnName = "ID" )}

)

**private** List<Role>roles;

**public** Integer getId() {

**return** id;

}

**public** **void** setId(Integer id) {

**this**.id = id;

}

**public** String getFirstName() {

**return** firstName;

}

**public** **void** setFirstName(String firstName) {

**this**.firstName = firstName;

}

**public** String getLastName() {

**return** lastName;

}

**public** **void** setLastName(String lastName) {

**this**.lastName = lastName;

}

**public** String getEmail() {

**return** email;

}

**public** **void** setEmail(String email) {

**this**.email = email;

}

**public** String getPassword() {

**return** password;

}

**public** **void** setPassword(String passsword) {

**this**.password = passsword;

}

**public** List<Role> getRoles() {

**return** roles;

}

**public** **void** setRoles(List<Role> roles) {

**this**.roles = roles;

}

**public** User(User user) {

**super**();

**this**.firstName = user.getFirstName();

**this**.lastName = user.getLastName();

**this**.email = user.getEmail();

**this**.password = user.getPassword();

**this**.roles = user.getRoles();

}

**public** User() {}

}

Repositories

Category repo:

**package** com.e\_commerce\_website.repository;

**import** org.springframework.data.jpa.repository.JpaRepository;

**import** com.e\_commerce\_website.model.Category;

**public** **interface** CategoryRepository **extends** JpaRepository<Category, Integer> {

}

Product repo:

**package** com.e\_commerce\_website.repository;

**import** java.util.List;

**import** org.springframework.data.jpa.repository.JpaRepository;

**import** com.e\_commerce\_website.model.Product;

**public** **interface** ProductRepository **extends** JpaRepository<Product, Long> {

List<Product> findAllByCategory\_Id(**int** id);

}

Purchase repo:

**package** com.e\_commerce\_website.repository;

**import** org.springframework.data.jpa.repository.JpaRepository;

**import** com.e\_commerce\_website.model.Purchase;

**public** **interface** PurchaseRepository **extends** JpaRepository<Purchase, Long> {

}

Role repo:

**package** com.e\_commerce\_website.repository;

**import** org.springframework.data.jpa.repository.JpaRepository;

**import** com.e\_commerce\_website.model.Role;

**public** **interface** RoleRepository **extends** JpaRepository<Role, Integer> {

}

User repo:

**package** com.e\_commerce\_website.repository;

**import** java.util.Optional;

**import** org.springframework.data.jpa.repository.JpaRepository;

**import** com.e\_commerce\_website.model.User;

**public** **interface** UserRepository **extends** JpaRepository<User, Integer> {

Optional<User>findUserByEmail(String email);

}

Product DTO

**package** com.e\_commerce\_website.dto;

**public** **class** ProductDTO {

**private** Long id;

**private** String name;

**private** **int** categoryId;

**private** **double** price;

**private** **double** weight;

**private** String description;

**private** String imageName;

**public** Long getId() {

**return** id;

}

**public** **void** setId(Long id) {

**this**.id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **int** getCategoryId() {

**return** categoryId;

}

**public** **void** setCategoryId(**int** categoryId) {

**this**.categoryId = categoryId;

}

**public** **double** getPrice() {

**return** price;

}

**public** **void** setPrice(**double** price) {

**this**.price = price;

}

**public** **double** getWeight() {

**return** weight;

}

**public** **void** setWeight(**double** weight) {

**this**.weight = weight;

}

**public** String getDescription() {

**return** description;

}

**public** **void** setDescription(String description) {

**this**.description = description;

}

**public** String getImageName() {

**return** imageName;

}

**public** **void** setImageName(String imageName) {

**this**.imageName = imageName;

}

}

Global Data

**package** com.e\_commerce\_website.global;

**import** java.util.ArrayList;

**import** java.util.List;

**import** com.e\_commerce\_website.model.Product;

**public** **class** GlobalData {

**public** **static** List<Product>*cart*;

**static** {

*cart* = **new** ArrayList<Product>();

}

}

Purchase Report:

**package** com.e\_commerce\_website.global;

**import** org.springframework.stereotype.Component;

@Component

**public** **class** PurchaseReport {

**private** String email;

**private** String name;

**private** Long productId;

**private** String productName;

**private** **double** price;

**private** String date;

**private** String category;

**public** String getCategory() {

**return** category;

}

**public** **void** setCategory(String category) {

**this**.category = category;

}

**public** String getEmail() {

**return** email;

}

**public** **void** setEmail(String email) {

**this**.email = email;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** Long getProductId() {

**return** productId;

}

**public** **void** setProductId(Long productId) {

**this**.productId = productId;

}

**public** String getProductName() {

**return** productName;

}

**public** **void** setProductName(String productName) {

**this**.productName = productName;

}

**public** **double** getPrice() {

**return** price;

}

**public** **void** setPrice(**double** price) {

**this**.price = price;

}

**public** String getDate() {

**return** date;

}

**public** **void** setDate(String date) {

**this**.date = date;

}

}

Java Services:

Category service:

**package** com.e\_commerce\_website.service;

**import** java.util.List;

**import** java.util.Optional;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.stereotype.Service;

**import** com.e\_commerce\_website.model.Category;

**import** com.e\_commerce\_website.repository.CategoryRepository;

@Service

**public** **class** CategoryService {

@Autowired

CategoryRepository categoryRepository;

**public** List<Category> getAllCategories(){

**return** categoryRepository.findAll();

}

**public** **void** addCategory(Category category) {

categoryRepository.save(category);

}

**public** **void** removeCategoryById(**int** id) {

categoryRepository.deleteById(id);

}

**public** Optional<Category> getCatById(**int** id) {

**return** categoryRepository.findById(id);

}

}

Custom user service:

**package** com.e\_commerce\_website.service;

**import** java.util.Optional;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.security.core.userdetails.UserDetails;

**import** org.springframework.security.core.userdetails.UserDetailsService;

**import** org.springframework.security.core.userdetails.UsernameNotFoundException;

**import** org.springframework.stereotype.Service;

**import** com.e\_commerce\_website.model.CustomUserDetail;

**import** com.e\_commerce\_website.model.User;

**import** com.e\_commerce\_website.repository.UserRepository;

@Service

**public** **class** CustomUserDetailService **implements** UserDetailsService {

@Autowired

UserRepository userRepository;

@Override

**public** UserDetails loadUserByUsername(String username) **throws** UsernameNotFoundException {

Optional<User> user = userRepository.findUserByEmail(username);

user.orElseThrow(() -> **new** UsernameNotFoundException("User Not Found"));

**return** user.map(CustomUserDetail::**new**).get();

}

}

Product service:

**package** com.e\_commerce\_website.service;

**import** java.util.List;

**import** java.util.Optional;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.stereotype.Service;

**import** com.e\_commerce\_website.model.Product;

**import** com.e\_commerce\_website.repository.ProductRepository;

@Service

**public** **class** ProductService {

@Autowired

ProductRepository productRepository;

**public** List<Product> getAllProducts(){

**return** productRepository.findAll();

}

**public** **void** addProduct(Product product) {

productRepository.save(product);

}

**public** **void** removeProductById(**long** id) {

productRepository.deleteById(id);

}

**public** Optional<Product> getProductById(**long** id){

**return** productRepository.findById(id);

}

**public** List<Product> getAllProductsByCategoryId(**int** id){

**return** productRepository.findAllByCategory\_Id(id);

}

}

Purchase service:

**package** com.e\_commerce\_website.service;

**import** java.util.List;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.stereotype.Service;

**import** com.e\_commerce\_website.model.Purchase;

**import** com.e\_commerce\_website.repository.PurchaseRepository;

@Service

**public** **class** PurchaseService {

@Autowired

PurchaseRepository purchaseRepository;

**public** List<Purchase> getAllPurchases(){

**return** purchaseRepository.findAll();

}

}

Java Configuration:

**package** com.e\_commerce\_website.configuration;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.context.annotation.Bean;

**import** org.springframework.context.annotation.Configuration;

**import** org.springframework.security.config.annotation.authentication.builders.AuthenticationManagerBuilder;

**import** org.springframework.security.config.annotation.web.builders.HttpSecurity;

**import** org.springframework.security.config.annotation.web.builders.WebSecurity;

**import** org.springframework.security.config.annotation.web.configuration.EnableWebSecurity;

**import** org.springframework.security.config.annotation.web.configuration.WebSecurityConfigurerAdapter;

**import** org.springframework.security.crypto.bcrypt.BCryptPasswordEncoder;

**import** org.springframework.security.web.util.matcher.AntPathRequestMatcher;

**import** com.e\_commerce\_website.service.CustomUserDetailService;

@Configuration

@EnableWebSecurity

**public** **class** SecurityConfig **extends** WebSecurityConfigurerAdapter {

@Autowired

CustomUserDetailService customUserDetailService;

@Override

**protected** **void** configure(HttpSecurity http) **throws** Exception {

http

.authorizeRequests()

.antMatchers("/" , "/shop/\*\*" , "/forgotpassword" , "/register" , "/h2-console/\*\*" ).permitAll()

.antMatchers("/admin/\*\*").hasRole("ADMIN")

.anyRequest()

.authenticated()

.and()

.formLogin()

.loginPage("/login")

.permitAll()

.failureUrl("/login?error=true")

.defaultSuccessUrl("/")

.usernameParameter("email")

.passwordParameter("password")

.and()

.logout()

.logoutRequestMatcher(**new** AntPathRequestMatcher("/logout"))

.logoutSuccessUrl("/login")

.invalidateHttpSession(**true**)

.deleteCookies("JSESSIONID")

.and()

.exceptionHandling()

.and()

.csrf()

.disable();

http.headers().frameOptions().disable();

}

@Bean

**public** BCryptPasswordEncoder bCryptPasswordEncoder() {

**return** **new** BCryptPasswordEncoder();

}

@Override

**protected** **void** configure(AuthenticationManagerBuilder auth) **throws** Exception {

auth.userDetailsService(customUserDetailService);

}

@Override

**public** **void** configure(WebSecurity web) **throws** Exception {

web.ignoring().antMatchers("/resources/\*\*" , "/static/\*\*" , "/images/\*\*" , "/productImages/\*\*" , "/css/\*\*" , "/js/\*\*")

;

}

}

Thymeleaf conf:

**package** com.e\_commerce\_website.configuration;

**import** java.util.Collections;

**import** org.springframework.context.annotation.Bean;

**import** org.springframework.context.annotation.Configuration;

**import** org.thymeleaf.extras.springsecurity5.dialect.SpringSecurityDialect;

**import** org.thymeleaf.spring5.SpringTemplateEngine;

**import** org.thymeleaf.spring5.templateresolver.SpringResourceTemplateResolver;

**import** org.thymeleaf.templatemode.TemplateMode;

@Configuration

**public** **class** Thymeleaf\_conf {

@Bean

**public** SpringResourceTemplateResolver templateResolver() {

SpringResourceTemplateResolver templateResolver = **new** SpringResourceTemplateResolver();

templateResolver.setPrefix("classpath:/templates/");

templateResolver.setSuffix(".html");

templateResolver.setTemplateMode(TemplateMode.***HTML***);

templateResolver.setCharacterEncoding("UTF-8");

templateResolver.setCacheable(**false**);

templateResolver.setCheckExistence(**true**);

templateResolver.setUseDecoupledLogic(**true**);

**return** templateResolver;

}

@Bean

**public** SpringTemplateEngine templateEngine(SpringResourceTemplateResolver templateResolver) {

SpringTemplateEngine templateEngine = **new** SpringTemplateEngine();

templateEngine.setTemplateResolver(templateResolver);

templateEngine.setEnableSpringELCompiler(**true**);

templateEngine.setAdditionalDialects(Collections.*singleton*(**new** SpringSecurityDialect()));

**return** templateEngine;

}

}

Project Html:

AdminHome

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.7.0/css/all.css"*

integrity=*"sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"* crossorigin=*"anonymous"*>

<title>SportyShoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/admin}"* href=*"#"*>admin-home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"jumbotron text-center"*>

<h1 class=*"display-4"*>Welcome back, Admin</h1>

<p>Easily manage your data from this admin <mark>CMS</mark></p>

</div>

<div class=*"container-fluid"*>

<div class=*"row"*>

<div class=*"col-sm-3 pt-3"* >

<div class=*"card"* style="background-color:*white*;">

<div class=*"card-body"*>

<h4 class=*"card-title"*>Categories</h4>

<p class=*"card-text"*>Manage the categories section here.</p>

<a href=*"#"* th:href=*"@{/admin/categories}"* class=*"card-link btn btn-primary"*>Manage</a>

</div>

</div>

</div>

<div class=*"col-sm-3 pt-3"* >

<div class=*"card"* style="background-color:*white*;">

<div class=*"card-body"*>

<h4 class=*"card-title"*>Products</h4>

<p class=*"card-text"*>Manage all the products here.</p>

<a href=*"#"* th:href=*"@{/admin/products}"* class=*"card-link btn btn-primary"*>Manage</a>

</div>

</div>

</div>

<div class=*"col-sm-3 pt-3"* >

<div class=*"card"* style="background-color:*white*;">

<div class=*"card-body"*>

<h4 class=*"card-title"*>Registered Users</h4>

<p class=*"card-text"*>See All Registered Users Here.</p>

<a href=*"#"* th:href=*"@{/admin/users}"* class=*"card-link btn btn-primary"*>List Users</a>

</div>

</div>

</div>

<div class=*"col-sm-3 pt-3"* >

<div class=*"card"* style="background-color:*white*;">

<div class=*"card-body"*>

<h4 class=*"card-title"*>Purchase Report</h4>

<p class=*"card-text"*>See Purchase Report Here</p>

<a href=*"#"* th:href=*"@{/admin/purchaseReport}"* class=*"card-link btn btn-primary"*>Purchase Report</a>

</div>

</div>

</div>

</div>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

</body>

</html>

Cart html:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*

xmlns:sec=*"http://www.thymeleaf.org/thymeleaf-extras-springsecurity3"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.11.2/css/all.css"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/}"* href=*"#"*>home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/shop}"* href=*"#"*>shop</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAnonymous()"* th:href=*"@{/login}"* href=*"#"*>login</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAuthenticated()"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/cart}"* href=*"#"*>cart</a>

</li>

<li class=*"nav-item active"*>

<span class=*"nav-link"* th:text=*"${cartCount}"*>0</span>

</li>

</ul>

</div>

</div>

</nav>

<main>

<div class=*"container"*>

<!--Section: Block Content-->

<section class=*"mt-5 mb-4"*>

<!--Grid row-->

<div class=*"row"*>

<!--Grid column-->

<div class=*"col-lg-8"*>

<!-- Card -->

<div class=*"card wish-list mb-4"*>

<div class=*"card-body"*>

<h5 class=*"mb-4"*>Cart (<span th:text=*"${cartCount}"*>2</span> items)</h5>

<div class=*"row mb-4"* th:each=*"item, iStat : ${cart}"*>

<div class=*"col-md-5 col-lg-3 col-xl-3"*>

<div class=*"mb-3 mb-md-0"*>

<img class=*"img-fluid w-100"*

th:src=*"@{${'/productImages/' + item.imageName}}"*

src=*"https://mdbootstrap.com/img/Photos/Horizontal/E-commerce/Vertical/12a.jpg"* alt=*"Sample"*>

</div>

</div>

<div class=*"col-md-7 col-lg-9 col-xl-9"*>

<div>

<div class=*"d-flex justify-content-between"*>

<div>

<h5 th:text=*"${item.name}"*>Blue denim shirt</h5>

<p class=*"mb-3 text-uppercase small"*>Weight: <span th:text=*"${item.weight}"*></span> grams</p>

<!-- <p class="mb-2 text-uppercase small">Category: <span th:text="${item.category.name}"></span></p>-->

</div>

</div>

<div class=*"mt-5 d-flex justify-content-between align-items-center"*>

<div>

<a href=*"#!"* th:href=*"@{/cart/removeItem/{index}(index=${iStat.index})}"* type=*"button"* class=*"card-link-secondary small text-uppercase mr-3"*><i

class=*"fas fa-trash-alt mr-1"*></i> Remove item </a>

</div>

<p class=*"mb-0"*><span><strong>₹<span th:text=*"${item.price}"*></span></strong></span></p>

</div>

</div>

</div>

</div>

<hr class=*"mb-4"*>

<p class=*"text-primary mb-0"*><i class=*"fas fa-info-circle mr-1"*></i> Do not delay the purchase, adding

items to your cart does not mean booking them.</p>

</div>

</div>

</div>

<!--Grid column-->

<!--Grid column-->

<div class=*"col-lg-4"*>

<!-- Card -->

<div class=*"card mb-4"*>

<div class=*"card-body"*>

<h5 class=*"mb-3"*>The total amount </h5>

<ul class=*"list-group list-group-flush"*>

<li class=*"list-group-item d-flex justify-content-between align-items-center border-0 px-0 pb-0"*>

Amount Payable

<span>R<span th:text=*"${total}"*></span></span>

</li>

<li class=*"list-group-item d-flex justify-content-between align-items-center px-0"*>

Shipping

<span>Gratis</span>

</li>

<li class=*"list-group-item d-flex justify-content-between align-items-center border-0 px-0 mb-3"*>

<div>

<strong>The total amount of</strong>

<strong>

<p class=*"mb-0"*>(including VAT)</p>

</strong>

</div>

<span><strong>R<span th:text=*"${total}"*></span></strong></span>

</li>

</ul>

<a th:href=*"@{/checkout}"* h class=*"btn btn-primary btn-block waves-effect waves-light"*>

checkout</a>

</div>

</div>

<!-- Card -->

<!-- Card -->

<div class=*"card mb-4"*>

<div class=*"card-body"*>

<a class=*"dark-grey-text d-flex justify-content-between"* data-toggle=*"collapse"* href=*"#collapseExample"*

aria-expanded=*"false"* aria-controls=*"collapseExample"*>

Add a discount code (optional)

<span><i class=*"fas fa-chevron-down pt-1"*></i></span>

</a>

<div class=*"collapse"* id=*"collapseExample"*>

<div class=*"mt-3"*>

<div class=*"md-form md-outline mb-0"*>

<input type=*"text"* id=*"discount-code"* class=*"form-control font-weight-light"*

placeholder=*"Enter discount code"*>

</div>

</div>

</div>

</div>

</div>

<!-- Card -->

</div>

<!--Grid column-->

</div>

<!--Grid row-->

</section>

<!--Section: Block Content-->

</div>

</main>

<!--Main layout-->

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

</body>

</html>

Category html:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.7.0/css/all.css"*

integrity=*"sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"* crossorigin=*"anonymous"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/admin}"* href=*"#"*>admin-home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"container"*>

<a th:href=*"@{/admin/categories/add}"* style="margin: *20px 0*" class=*"btn btn-primary"*>Add Category</a>

<table class=*"table"*>

<thead class=*"thead-light"*>

<tr>

<th scope=*"col"*>SN</th>

<th scope=*"col"*>Category Name</th>

<th scope=*"col"*>Delete</th>

<th scope=*"col"*>Update</th>

</tr>

</thead>

<tbody>

<tr th:each=*"category, iStat : ${categories}"*>

<th scope=*"row"* th:text=*"${iStat.index + 1}"*>1</th>

<td th:text=*"${category.name}"*>Larry</td>

<td><a href=*""* th:href=*"@{/admin/categories/delete/{id}(id=${category.id})}"* class=*"btn btn-danger"*>Delete</a></td>

<td><a href=*""* th:href=*"@{/admin/categories/update/{id}(id=${category.id})}"* class=*"btn btn-warning"*>Update</a></td>

</tr>

</tbody>

</table>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

</body>

</html>

Category add:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.7.0/css/all.css"*

integrity=*"sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"* crossorigin=*"anonymous"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/admin}"* href=*"#"*>admin-home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"container"*>

<div class=*"row"*>

<div class=*"col-sm-4"*>

<form th:action=*"@{/admin/categories/add}"* method=*"post"* th:object=*"${category}"*>

<input type=*"hidden"* name=*"id"* th:field=*"\*{id}"*>

<div class=*"form-group"*>

<label for=*"name"*>Name</label>

<input type=*"text"* class=*"form-control"* required th:field=*"\*{name}"* name=*"name"* id=*"name"* placeholder=*"Enter name"*>

</div>

<button type=*"submit"* class=*"btn btn-primary"*>Submit</button>

</form>

</div>

</div>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

</body>

</html>

Checkout:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*

xmlns:sec=*"http://www.thymeleaf.org/thymeleaf-extras-springsecurity3"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.11.2/css/all.css"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/}"* href=*"#"*>home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/shop}"* href=*"#"*>shop</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAnonymous()"* th:href=*"@{/login}"* href=*"#"*>login</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAuthenticated()"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/cart}"* href=*"#"*>cart</a>

</li>

<li class=*"nav-item active"*>

<span class=*"nav-link"* th:text=*"${cartCount}"*>0</span>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"container"*>

<!--Section: Block Content-->

<section class=*"mt-5 mb-4"*>

<!--Grid row-->

<div class=*"row"*>

<!--Grid column-->

<div class=*"col-lg-8 mb-4"*>

<!-- Card -->

<div class=*"card wish-list pb-1"*>

<div class=*"card-body"*>

<h5 class=*"mb-2"*>Billing details</h5>

<!-- Grid row -->

<div class=*"row"*>

<!-- Grid column -->

<div class=*"col-lg-6"*>

<!-- First name -->

<div class=*"md-form md-outline mb-0 mb-lg-4"*>

<label for=*"firstName"*>First name</label>

<input type=*"text"* id=*"firstName"* required class=*"form-control mb-0 mb-lg-2"*>

</div>

</div>

<!-- Grid column -->

<!-- Grid column -->

<div class=*"col-lg-6"*>

<!-- Last name -->

<div class=*"md-form md-outline"*>

<label for=*"lastName"*>Last name</label>

<input type=*"text"* id=*"lastName"* required class=*"form-control"*>

</div>

</div>

<!-- Grid column -->

</div>

<!-- Grid row -->

<!-- Country -->

<div class=*"d-flex flex-wrap"*>

<div class=*"select-outline position-relative w-100"*>

<label>Country - <strong>South Africa</strong></label>

</div>

</div>

<!-- Address Part 1 -->

<div class=*"md-form md-outline mt-2"*>

<label for=*"form14"*>Address (Line 1)</label>

<input type=*"text"* required id=*"form14"* placeholder=*"House number and street name"* class=*"form-control"*>

</div>

<!-- Address Part 2 -->

<div class=*"md-form md-outline mt-2"*>

<label for=*"form15"*>Address (Line 2)</label>

<input type=*"text"* id=*"form15"* placeholder=*"Apartment, suite, unit etc. (optional)"*

class=*"form-control"*>

</div>

<!-- Postcode / ZIP -->

<div class=*"md-form md-outline mt-3"*>

<label for=*"form16"*>Postcode / ZIP</label>

<input type=*"text"* maxlength=*"6"* minlength=*"6"* required id=*"form16"* class=*"form-control"*>

</div>

<!-- Town / City -->

<div class=*"md-form md-outline mt-2"*>

<label for=*"form17"*>Town / City</label>

<input type=*"text"* required id=*"form17"* class=*"form-control"*>

</div>

<!-- Phone -->

<div class=*"md-form md-outline mt-2"*>

<label for=*"form18"*>Phone</label>

<input type=*"number"* minlength=*"10"* maxlength=*"10"* required id=*"form18"* class=*"form-control"*>

</div>

<!-- Email address -->

<div class=*"md-form md-outline mt-2"*>

<label for=*"form19"*>Email address</label>

<input type=*"email"* required id=*"form19"* class=*"form-control"*>

</div>

<!-- Additional information -->

<div class=*"md-form md-outline mt-2"*>

<label for=*"form76"*>Additional information</label>

<textarea id=*"form76"* class=*"md-textarea form-control"* rows=*"4"*></textarea>

</div>

</div>

</div>

<!-- Card -->

</div>

<!--Grid column-->

<!--Grid column-->

<div class=*"col-lg-4"*>

<!-- Card -->

<div class=*"card mb-4"*>

<div class=*"card-body"*>

<h5 class=*"mb-3"*>The total amount </h5>

<ul class=*"list-group list-group-flush"*>

<li class=*"list-group-item d-flex justify-content-between align-items-center border-0 px-0 pb-0"*>

Amount Payable

<span>R<span th:text=*"${total}"*></span></span>

</li>

<li class=*"list-group-item d-flex justify-content-between align-items-center px-0"*>

Shipping

<span>Gratis</span>

</li>

<li class=*"list-group-item d-flex justify-content-between align-items-center border-0 px-0 mb-3"*>

<div>

<strong>The total amount of</strong>

<strong>

<p class=*"mb-0"*>(including VAT)</p>

</strong>

</div>

<span><strong>R<span th:text=*"${total}"*></span></strong></span>

</li>

</ul>

<form action=*""* method=*"post"* th:action=*"@{/payNow}"* >

<button type=*"submit"* class=*"btn btn-primary btn-block waves-effect waves-light"*>Pay here</button>

</form>

</div>

</div>

<!-- Card -->

<!-- Card -->

<div class=*"card mb-4"*>

<div class=*"card-body"*>

<a class=*"dark-grey-text d-flex justify-content-between"* data-toggle=*"collapse"* href=*"#collapseExample"*

aria-expanded=*"false"* aria-controls=*"collapseExample"*>

Add a discount code (optional)

<span><i class=*"fas fa-chevron-down pt-1"*></i></span>

</a>

<div class=*"collapse"* id=*"collapseExample"*>

<div class=*"mt-3"*>

<div class=*"md-form md-outline mb-0"*>

<input type=*"text"* id=*"discount-code"* class=*"form-control font-weight-light"*

placeholder=*"Enter discount code"*>

</div>

</div>

</div>

</div>

</div>

<!-- Card -->

</div>

<!--Grid column-->

</div>

<!--Grid row-->

</section>

<!--Section: Block Content-->

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

</body>

</html>

Index html:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*

xmlns:sec=*"http://www.thymeleaf.org/thymeleaf-extras-springsecurity3"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.7.0/css/all.css"*

integrity=*"sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"* crossorigin=*"anonymous"*>

<title>Sporty Shoes</title>

<style th:inline=*"text"*>

**header** {

height: *90vh*;

background-image: *linear-gradient(rgba(0, 0, 0, .4), rgba(0, 0, 0, .6)), url([[@{/images/header.jpg}]])*;

background-position: *center*;

background-size: *cover*;

background-attachment: *fixed*;

background-repeat: *no-repeat*;

}

</style>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/}"* href=*"#"*>home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/shop}"* href=*"#"*>shop</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAnonymous()"* th:href=*"@{/login}"* href=*"#"*>login</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAuthenticated()"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/cart}"* href=*"#"*>cart</a>

</li>

<li class=*"nav-item active"*>

<span class=*"nav-link"* th:text=*"${cartCount}"*>0</span>

</li>

</ul>

</div>

</div>

</nav>

<header class=*"d-flex align-items-center pt-2 mt-2"*>

<div class=*"container"*>

<div class=*"row"*>

<div class=*"col text-center"*>

<h3

class=*"text-uppercase font-weight-bold display-4 text-light banner-heading"*>Step into Style with Sporty Shoes

Where Every Step Tells a Story</h3>

<h3 class=*"display-4 text-light banner-heading pt-3 pb-4"*>Your Feet Deserve Luxury</h3>

<a th:href=*"@{/shop}"* href=*"#"*

class=*"btn btn-lg btn-outline-primary text-uppercase px-5"*>

Click here to Buy</a>

</div>

</div>

</div>

</header>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

</body>

</html>

Login html:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.7.0/css/all.css"*

integrity=*"sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"* crossorigin=*"anonymous"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/}"* href=*"#"*>home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/shop}"* href=*"#"*>shop</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* href=*"#"*>Sign Up</a>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"container"*>

<div class=*"row"*>

<div class=*"col-sm-6"*>

<h2>Login</h2>

<p>Enter your login credentials</p>

<form th:action=*"@{/login}"* method=*"post"*>

<div class=*"form-group"*>

<label for=*"email"*>Email</label>

<input type=*"email"* name=*"email"* id=*"email"* placeholder=*"Your Email"* class=*"form-control form-control-lg"*>

</div>

<div class=*"form-group"*>

<label for=*"password"*>Password</label>

<input type=*"password"* class=*"form-control form-control-lg"* placeholder=*"Password"* name=*"password"* id=*"password"*>

</div>

<div th:if=*"${param.error}"* class=*"alert alert-error text-danger"*>

Invalid username or password.

</div>

<input type=*"submit"* value=*"Login"* class=*"btn btn-primary btn-block"*>

<br>

<span >Don't have an account? <a class=*"linkControl"* href=*"./register.html"*

th:href=*"@{/register}"*>SIGN IN</a></span>

</form>

</div>

</div>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

</body>

</html>

Orderplaced html:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*

xmlns:sec=*"http://www.thymeleaf.org/thymeleaf-extras-springsecurity3"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.11.2/css/all.css"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"*>

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/}"* href=*"#"*>home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/shop}"* href=*"#"*>shop</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAnonymous()"* th:href=*"@{/login}"* href=*"#"*>login</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAuthenticated()"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/cart}"* href=*"#"*>cart</a>

</li>

<!-- <li class="nav-item active">

<span class="nav-link" th:text="${cartCount}">0</span>

</li> -->

</ul>

</div>

</div>

</nav>

<div class=*"container"*>

<div class=*"row"*>

<div class=*"well col-xs-10 col-sm-10 col-md-6 col-xs-offset-1 col-sm-offset-1 col-md-offset-3"*>

<div class=*"row"*>

<div class=*"col-xs-6 col-sm-6 col-md-6"*>

<strong th:text=*"${result}"*></strong>

<br>

</div>

<div class=*"col-xs-6 col-sm-6 col-md-6 text-right"*>

<p>

<em>Receipt #: </em>

<em th:text=*"${Reciept}"*>Receipt #: 34522677W</em>

</p>

</div>

</div>

<div class=*"row"*>

<div class=*"text-center"*>

<h1>Receipt</h1>

</div>

<table class=*"table table-hover"*>

<thead>

<tr>

<th scope=*"col"*>SN</th>

<th scope=*"col"*>Product</th>

<th scope=*"col"*>Price</th>

</tr>

</thead>

<tbody>

<tr th:each=*"item, iStat : ${products}"*>

<th scope=*"row"* th:text=*"${iStat.index + 1}"*>1</th>

<td th:text=*"${item.name}"*>Larry</td>

<td th:text=*"${item.price}"*>Larry</td>

</tr>

</tbody>

</table>

<div class=*"text-center"*>

<h3>Total Amount Paid: </h3>

<h3 th:text=*"${total}"*> </h3>

</div>

</div>

<!-- Add form to submit with POST method -->

<form th:action=*"@{/payNow}"* method=*"post"*>

<button type=*"submit"* class=*"btn btn-primary"*>Pay Now</button>

</form>

</div>

</div>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

</body>

</html>

Product html:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/admin}"* href=*"#"*>admin-home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"container-fluid"*>

<a th:href=*"@{/admin/products/add}"* style="margin: *20px 0*" class=*"btn btn-primary"*>Add Product</a>

<table class=*"table"*>

<thead class=*"thead-light"*>

<tr>

<th scope=*"col"*>SN</th>

<th scope=*"col"*>Product Name</th>

<th scope=*"col"*>Category</th>

<th scope=*"col"*>Preview</th>

<th scope=*"col"*>Delete</th>

<th scope=*"col"*>Update</th>

</tr>

</thead>

<tbody>

<tr th:each=*"product, iStat : ${products}"*>

<th scope=*"row"* th:text=*"${iStat.index + 1}"*>1</th>

<td th:text=*"${product.name}"*>Larry</td>

<td th:text=*"${product.category.name}"*>Larry</td>

<td><img src=*""* height=*"100px"* width=*"100px"* th:src=*"@{${'/productImages/' + product.imageName}}"*></td>

<td><a href=*""* th:href=*"@{/admin/product/delete/{id}(id=${product.id})}"* class=*"btn btn-danger"*>Delete</a></td>

<td><a href=*""* th:href=*"@{/admin/product/update/{id}(id=${product.id})}"* class=*"btn btn-warning"*>Update</a></td>

</tr>

</tbody>

</table>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

</body>

</html>

productAdd html:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.7.0/css/all.css"*

integrity=*"sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"* crossorigin=*"anonymous"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"*>

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"*

aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/admin}"* href=*"#"*>admin-home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"container"*>

<h3>Add a new Product</h3>

<form th:action=*"@{/admin/products/add}"* method=*"post"* th:object=*"${productDTO}"* enctype=*"multipart/form-data"*>

<div class=*"row"*>

<div class=*"col-sm-5"*>

<input type=*"hidden"* name=*"id"* th:field=*"\*{id}"*>

<div class=*"form-group"*>

<label for=*"name"*>Name</label>

<input type=*"text"* class=*"form-control"* required th:field=*"\*{name}"* name=*"name"* id=*"name"*

placeholder=*"Enter name"*>

</div>

<div class=*"form-group"*>

<label for=*"category"*>Select Category</label>

<select class=*"form-control"* th:field=*"\*{categoryId}"* id=*"category"* name=*"category"*>

<option th:each=*"category :${categories}"*

th:value=*"${category.id}"*

th:text=*"${category.name}"*

>

</select>

</div>

<div class=*"form-group"*>

<label for=*"price"*>Price</label>

<input type=*"number"* class=*"form-control"* required th:field=*"\*{price}"* name=*"price"* id=*"price"*

placeholder=*"Price"*>

</div>

<div class=*"form-group"*>

<label for=*"weight"*>Weight in grams</label>

<input type=*"number"* class=*"form-control"* required th:field=*"\*{weight}"* name=*"weight"* id=*"weight"*

placeholder=*"Weight"*>

</div>

<div class=*"form-group"*>

<label for=*"description"*>Product Description</label>

<textarea class=*"form-control"* rows=*"5"* th:field=*"\*{description}"* name=*"description"* id=*"description"*></textarea>

</div>

</div>

<div class=*"col-sm-5"*>

<p>Product Image</p>

<div class=*"custom-file"*>

<input type=*"file"* class=*"custom-file-input"* name=*"productImage"* accept=*"image/jpeg, image/png"* id=*"productImage"*/>

<label class=*"custom-file-label"* for=*"productImage"*>Choose file</label>

</div>

<div class=*"form-group"*>

<img src=*"#"* id=*"imgPreview"* height=*"100px"* width=*"100px"* th:src=*"@{${'/productImages/' + productDTO.imageName}}"* style="margin-top: *20px*" alt=*" "*>

</div>

<input type=*"hidden"* name=*"imgName"* th:value=*"${productDTO.imageName}"*>

<button type=*"submit"* class=*"btn btn-primary"*>Submit</button>

</div>

</div>

</form>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"*

integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"*

crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"*

integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"*

crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"*

integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"*

crossorigin=*"anonymous"*></script>

<script>

**function** readURL(input){

**if**(input.files && input.files[0]){

**var** reader = **new** FileReader();

reader.onload = **function**(e){

$('#imgPreview').attr('src', e.target.result).width(100).height(100);

}

reader.readAsDataURL(input.files[0])

}

}

$('#productImage').change(**function**(){

readURL(**this**);

});

$(".custom-file-input").on("change", **function**() {

**var** fileName = $(**this**).val().split("\\").pop();

$(**this**).siblings(".custom-file-label").addClass("selected").html(fileName);

});

</script>

</body>

</html>

purchaseReport html:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://cdn.datatables.net/1.10.24/css/jquery.dataTables.min.css"* />

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.7.0/css/all.css"*

integrity=*"sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"* crossorigin=*"anonymous"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/admin}"* href=*"#"*>admin-home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"container"*>

<div class=*"row"*>

<div class=*"well col-xs-10 col-sm-10 col-md-10 col-xs-offset-1 col-sm-offset-1 col-md-offset-3"*>

<div class=*"row"*>

<div class=*"text-center"*>

<h1>Purchase Report</h1>

</div>

<table id=*"purchaseReport"* class=*"table table-hover"*>

<thead>

<tr>

<th scope=*"col"*>SN</th>

<th scope=*"col"*>User Email</th>

<th scope=*"col"*>User Name</th>

<th scope=*"col"*>Product Id</th>

<th scope=*"col"*>Category</th>

<th scope=*"col"*>Product Name</th>

<th scope=*"col"*>Product Price</th>

<th scope=*"col"*>Order Date</th>

</tr>

</thead>

<tbody>

<tr th:each=*"purchase, iStat : ${puchaseList}"*>

<th scope=*"row"* th:text=*"${iStat.index + 1}"*>1</th>

<td th:text=*"${purchase.email}"*>Larry</td>

<td th:text=*"${purchase.name}"*>Larry</td>

<td th:text=*"${purchase.productId}"*>Larry</td>

<td th:text=*"${purchase.category}"*>Larry</td>

<td th:text=*"${purchase.productName}"*>Larry</td>

<td th:text=*"${purchase.price}"*>Larry</td>

<td th:text=*"${purchase.date}"*>Larry</td>

</tr>

</tbody>

</table>

</div>

</div>

</div>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.datatables.net/1.10.24/js/jquery.dataTables.min.js"*></script>

<script>

$(document).ready(**function** () {

$('#purchaseReport').dataTable({

"lengthMenu": [5, 7, 10, 12, 15, 20],

"ordering": **false**

});

$('.dataTables\_length').addClass('bs-select');

});

</script>

</body>

</html>

Register html:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.7.0/css/all.css"*

integrity=*"sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"* crossorigin=*"anonymous"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street With SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/}"* href=*"#"*>home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/shop}"* href=*"#"*>shop</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* href=*"#"*>Sign Up</a>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"container"*>

<div class=*"col-sm-6"*>

<h3 style="margin-top: *10px*">Sign Up</h3>

<p>Register Now</p>

<form th:action=*"@{/register}"* th:object=*"${user}"* method=*"post"*>

<div class=*"form-group"*>

<label for=*"firstName"*>First Name</label>

<input type=*"text"* name=*"firstName"* id=*"firstName"* required placeholder=*"Your Firstname"* class=*"form-control form-control-lg"*>

</div>

<div class=*"form-group"*>

<label for=*"lastName"*>Last Name</label>

<input type=*"text"* name=*"lastName"* id=*"lastName"* required placeholder=*"Your Lastname"* class=*"form-control form-control-lg"*>

</div>

<div class=*"form-group"*>

<label for=*"email"*>Email address</label>

<input type=*"email"* class=*"form-control form-control-lg"* required minlength=*"6"* placeholder=*"Email"* name=*"email"* id=*"email"*

aria-describedby=*"emailHelp"*>

</div>

<div class=*"form-group"*>

<label for=*"password"*>Password</label>

<input type=*"password"* class=*"form-control form-control-lg"* required placeholder=*"Password"* name=*"password"*

id=*"password"* aria-describedby=*"passwordHelp"*>

<small id=*"passwordHelp"* class=*"form-text text-muted"*> Do not share your password with

anyone.</small>

</div>

<input type=*"submit"* value=*"Register"* class=*"btn btn-primary btn-block"*>

<span style="margin-top: *10px*">Already have an account? <a class=*"linkControl"* href=*"./login.html"*

th:href=*"@{/login}"*>Click here</a></span>

</form>

</div>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

</body>

</html>

Shop html:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*

xmlns:sec=*"http://www.thymeleaf.org/thymeleaf-extras-springsecurity3"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.7.0/css/all.css"*

integrity=*"sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"* crossorigin=*"anonymous"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/}"* href=*"#"*>home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/shop}"* href=*"#"*>shop</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAnonymous()"* th:href=*"@{/login}"* href=*"#"*>login</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAuthenticated()"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/cart}"* href=*"#"*>cart</a>

</li>

<li class=*"nav-item active"*>

<span class=*"nav-link"* th:text=*"${cartCount}"*>0</span>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"container"* style="margin-top: *30px*">

<div class=*"row"*>

<div class=*"col-sm-3"*>

<h4>Categories</h4>

<ul class=*"list-group"*>

<a th:href=*"@{/shop}"*><li class=*"list-group-item"*>All Products</li></a>

<a href=*""* th:each=*"category, iStat : ${categories}"*

th:href=*"@{/shop/category/{id}(id=${category.id})}"*><li

class=*"list-group-item"* th:text=*"${category.name}"*></li></a>

</ul>

</div>

<div class=*"col-sm-9"*>

<div class=*"card"* style="margin-top: *20px*" th:each=*"product : ${products}"*>

<div class=*"row no-gutters"*>

<div class=*"col-sm-5 d-flex justify-content-center"*>

<img class=*""* height=*"150px"* width=*"150px"* th:src=*"@{${'/productImages/' + product.imageName}}"* th:alt=*"${product.name}"*>

</div>

<div class=*"col-sm-7 d-flex justify-content-center"*>

<div class=*"card-body"*>

<h5 class=*"card-title"* th:text=*"${product.name}"*></h5>

<h4>R <span th:text=*"${product.price}"*></span></h4>

<p th:text=*"${product.description}"* >John Boyd Dunlop is a founder and technical lead developer in china.</p>

<a href=*"#"* th:href=*"@{/shop/viewproduct/{id}(id=${product.id})}"* class=*"btn btn-primary"*>View Product</a>

</div>

</div>

</div>

</div>

</div>

</div>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

</body>

</html>

User html:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://cdn.datatables.net/1.10.24/css/jquery.dataTables.min.css"* />

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.7.0/css/all.css"*

integrity=*"sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"* crossorigin=*"anonymous"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"* >

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"* aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/admin}"* href=*"#"*>admin-home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"container"*>

<div class=*"row"*>

<div class=*"well col-xs-10 col-sm-10 col-md-10 col-xs-offset-1 col-sm-offset-1 col-md-offset-3"*>

<div class=*"row"*>

<table id=*"userReport"* class=*"table table-hover mt-3 pt-3"*>

<thead>

<tr>

<th scope=*"col"*>SN</th>

<th scope=*"col"*>User Id</th>

<th scope=*"col"*>Email</th>

<th scope=*"col"*>First Name</th>

<th scope=*"col"*>Last Name</th>

</tr>

</thead>

<tbody>

<tr th:each=*"user, iStat : ${userlist}"*>

<th scope=*"row"* th:text=*"${iStat.index + 1}"*>1</th>

<td th:text=*"${user.id}"*>Larry</td>

<td th:text=*"${user.email}"*>Larry</td>

<td th:text=*"${user.firstName}"*>Larry</td>

<td th:text=*"${user.lastName}"*>Larry</td>

</tr>

</tbody>

</table>

</div>

</div>

</div>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"* integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"* integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"* crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"* integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"* crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.datatables.net/1.10.24/js/jquery.dataTables.min.js"*></script>

<script>

$(document).ready(**function** () {

$('#userReport').dataTable({

"lengthMenu": [5, 7, 10, 12, 15, 20],

"ordering": **false**

});

$('.dataTables\_length').addClass('bs-select');

});

</script>

</body>

</html>

viewProduct:

<!doctype html>

<html lang=*"en"* xmlns:th=*"http://www.thymeleaf.org"*

xmlns:sec=*"http://www.thymeleaf.org/thymeleaf-extras-springsecurity3"*>

<head>

<meta charset=*"UTF-8"*>

<meta name=*"viewport"*

content=*"width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"ie=edge"*>

<link rel=*"stylesheet"* href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"*

integrity=*"sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"* crossorigin=*"anonymous"*>

<link rel=*"stylesheet"* href=*"https://use.fontawesome.com/releases/v5.7.0/css/all.css"*

integrity=*"sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"* crossorigin=*"anonymous"*>

<title>Sporty Shoes</title>

</head>

<body>

<nav class=*"navbar navbar-expand-lg navbar-light bg-light"*>

<div class=*"container-fluid"*>

<a class=*"navbar-brand"* href=*"#"*>

<img th:src=*"@{/images/logo.jpg}"* src=*"../static/images/logo.jpg"* width=*"auto"* height=*"40"* class=*"d-inline-block align-top"* alt=*""*/>

Own the Street with SportyShoes.com

</a>

<button class=*"navbar-toggler"* type=*"button"* data-toggle=*"collapse"* data-target=*"#navbarSupportedContent"*

aria-controls=*"navbarSupportedContent"* aria-expanded=*"false"* aria-label=*"Toggle navigation"*>

<span class=*"navbar-toggler-icon"*></span>

</button>

<div class=*"collapse navbar-collapse"* id=*"navbarSupportedContent"*>

<ul class=*"navbar-nav mr-auto"*></ul>

<ul class=*"navbar-nav"*>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/}"* href=*"#"*>home</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/shop}"* href=*"#"*>shop</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAnonymous()"* th:href=*"@{/login}"* href=*"#"*>login</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* sec:authorize=*"isAuthenticated()"* th:href=*"@{/logout}"* href=*"#"*>logout</a>

</li>

<li class=*"nav-item active"*>

<a class=*"nav-link"* th:href=*"@{/cart}"* href=*"#"*>cart</a>

</li>

<li class=*"nav-item active"*>

<span class=*"nav-link"* th:text=*"${cartCount}"*></span>

</li>

</ul>

</div>

</div>

</nav>

<div class=*"container mt-5"*>

<div class=*"row"*>

<div class=*"col-sm-5 d-flex justify-content-center"*>

<img class=*"mt-5"* height=*"300px"* width=*"300px"* src=*""* th:src=*"@{${'/productImages/' + product.imageName}}"*

alt=*""*>

</div>

<div class=*"col-sm-7 mt-5"*>

<h2 th:text=*"${product.name}"*></h2>

<p th:text=*"${product.category.name}"*></p>

<h2>R<span th:text=*"${product.price}"*></span></h2>

<h5>Weight:

<spna th:text=*"${product.weight}"*></spna> grams.

</h5>

<p th:text=*"${product.description}"*></p>

<a href=*""* th:href=*"@{/addToCart/{id}(id = ${product.id})}"* class=*"btn btn-primary"*>Add to cart</a>

</div>

</div>

</div>

<script src=*"https://code.jquery.com/jquery-3.4.1.slim.min.js"*

integrity=*"sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"*

crossorigin=*"anonymous"*></script>

<script src=*"https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"*

integrity=*"sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"*

crossorigin=*"anonymous"*></script>

<script src=*"https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"*

integrity=*"sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"*

crossorigin=*"anonymous"*></script>

</body>

</html>

Application properties

spring.h2.console.enabled=true

spring.datasource.url=jdbc:h2:file:./db

spring.datasource.driverClassName=org.h2.Driver

spring.datasource.username=sa

spring.datasource.password=

spring.h2.console.enabled=true

spring.h2.console.path=/h2-console

spring.jpa.database-platform=org.hibernate.dialect.H2Dialect

spring.jpa.hibernate.ddl-auto=update

server.port=8080

spring.jpa.properties.hibernate.jdbc.batch\_size=100

logging.level.org.springframework=DEBUG

Data.txt

INSERT INTO roles (id, name) VALUES

(1, 'ROLE\_ADMIN'),

(2, 'ROLE\_USER');

INSERT INTO users (id, email, password, first\_Name, last\_Name) VALUES

(1, 'regina@gmail.com', '$2a$10$moTjfAVBJzNS32q7NPPVh.iAGDbZSkjZJBkdxT5ZLKQ3R1Vh/y9Fi', 'Regina', 'Machava');

insert into user\_role(user\_id, role\_id) values

(1,1),

(1,2);

CSS file:

**div***.dataTables\_wrapper* **div***.dataTables\_length* **select,**

**div***.dataTables\_wrapper* **div***.dataTables\_length* **input** {

width: *auto*

}

**div***.dataTables\_wrapper* **div***.dataTables\_length.d-flex.flex-row* **label** {

margin-top: *1.2rem*;

margin-right: *1rem*

}

**div***.dataTables\_wrapper* **div***.dataTables\_length.d-flex.flex-row* *.select-wrapper.mdb-select* **span,**

**div***.dataTables\_wrapper* **div***.dataTables\_length.d-flex.flex-row* *.select-wrapper.mdb-select* *.select-dropdown* {

margin-top: *1rem*

}

**div***.dataTables\_wrapper* **div***.dataTables\_length* **label,**

**div***.dataTables\_wrapper* **div***.dataTables\_filter* **label** {

padding-top: *.5rem*;

padding-bottom: *.5rem*;

font-weight: *400*;

text-align: *left*

}

**div***.dataTables\_wrapper* **div***.dataTables\_filter* {

text-align: *right*

}

**div***.dataTables\_wrapper* **div***.dataTables\_filter* **select,**

**div***.dataTables\_wrapper* **div***.dataTables\_filter* **input** {

width: *auto*

}

**div***.dataTables\_wrapper* **div***.dataTables\_filter* **input** {

display: *inline-block*;

margin-left: *.5rem*

}

**div***.dataTables\_wrapper* **div***.dataTables\_info***,**

**div***.dataTables\_wrapper* **div***.dataTables\_paginate* {

padding-top: *1rem*;

padding-bottom: *1rem*;

font-weight: *400*

}

**div***.dataTables\_wrapper* **div***.dataTables\_paginate* {

margin: *0*;

text-align: *right*

}

**div***.dataTables\_wrapper* **div***.dataTables\_paginate* **ul***.pagination* {

-ms-flex-pack: *end*;

justify-content: *flex-end*;

-webkit-box-pack: *end*

}

**div***.dataTables\_wrapper* **div***.dataTables\_paginate* **ul***.pagination* *.page-item.active* *.page-link:focus* {

background-color: *#4285f4*

}

**div***.dataTables\_wrapper* **div***.dataTables\_paginate* **ul***.pagination* *.page-item* *.page-link:focus* {

-webkit-box-shadow: *none*;

box-shadow: *none*

}

@media (max-width: 767px) {

**div***.dataTables\_wrapper* **div** *.dataTables\_length***,**

**div***.dataTables\_wrapper* **div** *.dataTables\_filter***,**

**div***.dataTables\_wrapper* **div** *.dataTables\_info***,**

**div***.dataTables\_wrapper* **div** *.dataTables\_paginate* **ul***.pagination* {

-ms-flex-pack: *center*;

justify-content: *center*;

text-align: *center*;

-webkit-box-pack: *center*

}

}

*.bs-select* **select** {

display: *inline-block* *!important*

}

**table***.dataTable* **thead** {

cursor: *pointer*

}

**table***.dataTable* **thead**>**tr**>**th***.sorting\_asc***,**

**table***.dataTable* **thead**>**tr**>**th***.sorting\_desc***,**

**table***.dataTable* **thead**>**tr**>**th***.sorting***,**

**table***.dataTable* **thead**>**tr**>**td***.sorting\_asc***,**

**table***.dataTable* **thead**>**tr**>**td***.sorting\_desc***,**

**table***.dataTable* **thead**>**tr**>**td***.sorting* {

padding-right: *30px*

}

**table***.dataTable* **thead**>**tr**>**th***:active***,**

**table***.dataTable* **thead**>**tr**>**td***:active* {

outline: *none*

}

**table***.dataTable* **thead** *.sorting***,**

**table***.dataTable* **thead** *.sorting\_asc***,**

**table***.dataTable* **thead** *.sorting\_desc***,**

**table***.dataTable* **thead** *.sorting\_asc\_disabled***,**

**table***.dataTable* **thead** *.sorting\_desc\_disabled* {

position: *relative*;

cursor: *pointer*

}

**table***.dataTable* **thead** *.sorting:before***,**

**table***.dataTable* **thead** *.sorting:after***,**

**table***.dataTable* **thead** *.sorting\_asc:before***,**

**table***.dataTable* **thead** *.sorting\_asc:after***,**

**table***.dataTable* **thead** *.sorting\_desc:before***,**

**table***.dataTable* **thead** *.sorting\_desc:after***,**

**table***.dataTable* **thead** *.sorting\_asc\_disabled:before***,**

**table***.dataTable* **thead** *.sorting\_asc\_disabled:after***,**

**table***.dataTable* **thead** *.sorting\_desc\_disabled:before***,**

**table***.dataTable* **thead** *.sorting\_desc\_disabled:after* {

position: *absolute*;

bottom: *.9em*;

display: *block*;

opacity: *.3*

}

**table***.dataTable* **thead** *.sorting:before***,**

**table***.dataTable* **thead** *.sorting\_asc:before***,**

**table***.dataTable* **thead** *.sorting\_desc:before***,**

**table***.dataTable* **thead** *.sorting\_asc\_disabled:before***,**

**table***.dataTable* **thead** *.sorting\_desc\_disabled:before* {

right: *1em*;

font-family: *"Font Awesome\ 5 Free",* *sans-serif*;

font-size: *1rem*;

font-weight: *900*;

content: *''*

}

**table***.dataTable* **thead** *.sorting:after***,**

**table***.dataTable* **thead** *.sorting\_asc:after***,**

**table***.dataTable* **thead** *.sorting\_desc:after***,**

**table***.dataTable* **thead** *.sorting\_asc\_disabled:after***,**

**table***.dataTable* **thead** *.sorting\_desc\_disabled:after* {

right: *16px*;

font-family: *"Font Awesome\ 5 Free",* *sans-serif*;

font-size: *1rem*;

font-weight: *900*;

content: *''*

}

**table***.dataTable* **thead** *.sorting\_asc:before***,**

**table***.dataTable* **thead** *.sorting\_desc:after* {

opacity: *1*

}

**table***.dataTable* **thead** *.sorting\_asc\_disabled:before***,**

**table***.dataTable* **thead** *.sorting\_desc\_disabled:after* {

opacity: *0*

}