**Sporty Shoes Project Source Code**

**By Binu Thankachan**

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Contents

[Project Hierarchy 6](#_Toc87561368)

[Maven POM file for dependency management 12](#_Toc87561369)

[Java classes and interfaces 14](#_Toc87561370)

[Class SportyShoeswebprojectApplication Source Code 14](#_Toc87561371)

[Class AdminController Source Code 16](#_Toc87561372)

[Class CustomerCartController Source Code 29](#_Toc87561373)

[Class HomeController Source Code 34](#_Toc87561374)

[Class ShoeController Source Code 35](#_Toc87561375)

[Class ShoeOrderController Source Code 39](#_Toc87561376)

[Class UserController Source Code 51](#_Toc87561377)

[Class UserRegistrationController Source Code 54](#_Toc87561378)

[Class Addres Source Code 57](#_Toc87561379)

[Class AdminSource Code 62](#_Toc87561380)

[Class CustomerCart Source Code 67](#_Toc87561381)

[Class OrderItem Source Code 72](#_Toc87561382)

[Class PaymentDetail Source Code 77](#_Toc87561383)

[Class SearchShoeOrderItem Source Code 84](#_Toc87561384)

[Class ShoeOrdersChoice Source Code 87](#_Toc87561385)

[Class SearchUserChoice Source Code 88](#_Toc87561386)

[Class Shipping Source Code 89](#_Toc87561387)

[Class ShippingChoice Source Code 92](#_Toc87561388)

[Class Shoe Source Code 93](#_Toc87561389)

[Class ShoeOrder Source Code 103](#_Toc87561390)

[Class User Source Code 113](#_Toc87561391)

[Class AddressRespository Source Code 123](#_Toc87561392)

[Class AdminRepository Source Code 123](#_Toc87561393)

[Class CustomerCartRepository Source Code 124](#_Toc87561394)

[Class OrderItemRepository Source Code 124](#_Toc87561395)

[Class PaymentDetailRepository Source Code 124](#_Toc87561396)

[Class ShippingRepository Source Code 125](#_Toc87561397)

[Class ShoeOrderRepository Source Code 126](#_Toc87561398)

[Class ShoeRepository Source Code 127](#_Toc87561399)

[Class UserRepository Source Code 127](#_Toc87561400)

[Class AddressService Source Code 128](#_Toc87561401)

[Class AddressServiceImpl Source Code 128](#_Toc87561402)

[Class AdminLoginService Source Code 130](#_Toc87561403)

[Class AdminService Source Code 131](#_Toc87561404)

[Class AdminServiceImpl Source Code 131](#_Toc87561405)

[Class CustomerCartService Source Code 133](#_Toc87561406)

[Class CustomerCartServiceImpl Source Code 133](#_Toc87561407)

[Class PaymentDetailService Source Code 138](#_Toc87561408)

[Class PaymentDetailServiceImpl Source Code 138](#_Toc87561409)

[Class ShippingService Source Code 141](#_Toc87561410)

[Class ShippingServiceImpl Source Code 141](#_Toc87561411)

[Class ShoeOrderService Source Code 143](#_Toc87561412)

[Class ShoeOrderServiceImpl Source Code 143](#_Toc87561413)

[Class ShoeService Source Code 146](#_Toc87561414)

[Class ShoeServiceImpl Source Code 146](#_Toc87561415)

[Class UserLoginService Source Code 148](#_Toc87561416)

[Class UserRegistration Service Source Code 149](#_Toc87561417)

[Class UserregistrationServiceImpl Source Code 150](#_Toc87561418)

[Class UserService Source Code 152](#_Toc87561419)

[Class UserServiceImpl Source Code 153](#_Toc87561420)

[JSP admin-logged-in-home-page Source Code 155](#_Toc87561421)

[JSP admin-login-error-page Source Code 158](#_Toc87561422)

[JSP admin-login-page Source Code 160](#_Toc87561423)

[JSP admin-purchase-report-page Source Code 162](#_Toc87561424)

[JSP admin-search-shoe-orders-page Source Code 165](#_Toc87561425)

[JSP admin-search-shoe-orders-result-page Source Code 168](#_Toc87561426)

[JSP admin-search-users-page Source Code 171](#_Toc87561427)

[JSP admin-search-users-result-page Source Code 174](#_Toc87561428)

[JSP admin-signed-up-users-page Source Code 178](#_Toc87561429)

[JSP admin-update-password-failure-page Source Code 181](#_Toc87561430)

[JSP admin-update-password-page Source Code 183](#_Toc87561431)

[JSP admin-update-password-success-page Source Code 186](#_Toc87561432)

[JSP order-checkout-page Source Code 189](#_Toc87561433)

[JSP order-select-shipping-page Source Code 195](#_Toc87561434)

[JSP shoe-order-add-payment-details-page Source Code 199](#_Toc87561435)

[JSP shoe-order-submit-page Source Code 205](#_Toc87561436)

[JSP user-shoe-order-add-paymentdetail-failure-page Source Code 208](#_Toc87561437)

[JSP user-shoe-order-add-paymentdetail-success-page Source Code 210](#_Toc87561438)

[JSP user-shoe-order-add-shipping-failure-page Source Code 212](#_Toc87561439)

[JSP user-shoe-order-add-shipping-success-page Source Code 214](#_Toc87561440)

[JSP user-shoe-order-submit-failure-page Source Code 216](#_Toc87561441)

[JSP user-shoe-order-submit-success-page Source Code 218](#_Toc87561442)

[JSP admin-add-shoe-failure-page Source Code 220](#_Toc87561443)

[JSP admin-add-shoe-success-page Source Code 222](#_Toc87561444)

[JSP admin-add-shoe-form Source Code 224](#_Toc87561445)

[JSP user-cart-item-add-failure-page Source Code 228](#_Toc87561446)

[JSP user-cart-item-delete-failure-page Source Code 230](#_Toc87561447)

[JSP user-cart-item-delete-success-page Source Code 232](#_Toc87561448)

[JSP user-cart-item-successfully-added-page Source Code 234](#_Toc87561449)

[JSP user-cart-page Source Code 236](#_Toc87561450)

[JSP user-list-all-shoes-page Source Code 241](#_Toc87561451)

[JSP user-logged-in-home-page Source Code 244](#_Toc87561452)

[JSP userlogin-error-page Source Code 246](#_Toc87561453)

[JSP user-login-page Source Code 248](#_Toc87561454)

[JSP user-registration-failure Source Code 250](#_Toc87561455)

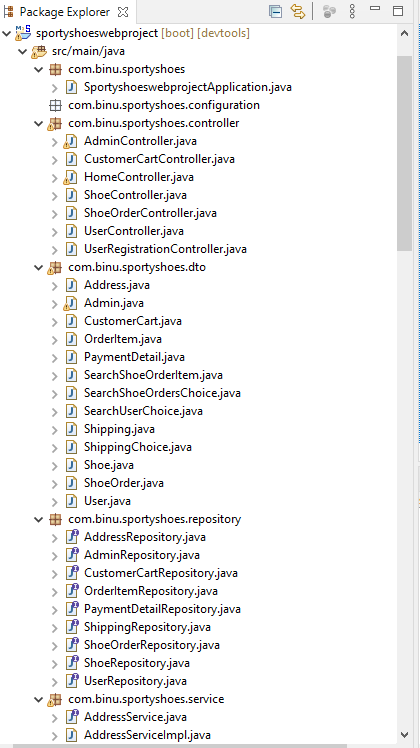
[JSP user-registration-form Source Code 251](#_Toc87561456)

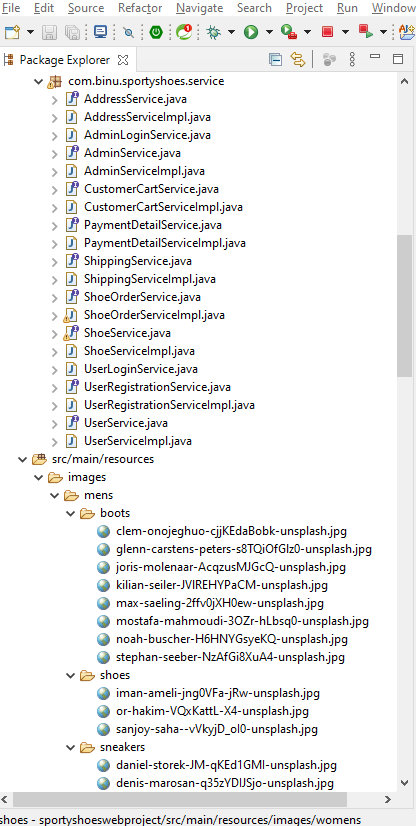
[JSP user-registration-succcess Source Code 256](#_Toc87561457)

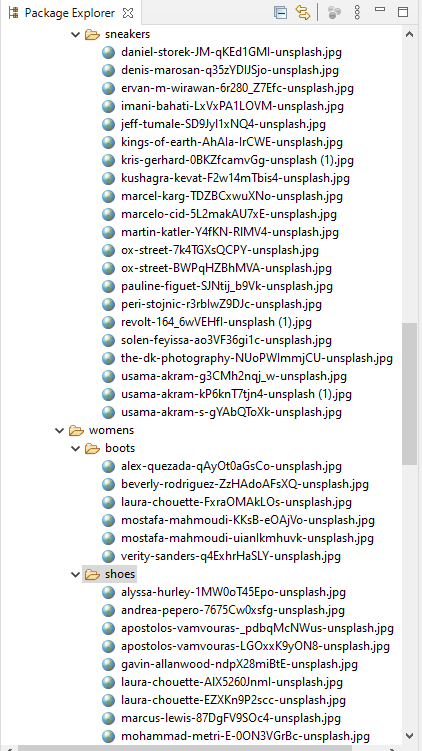
[JSP user-unathorized-access-page Source Code 258](#_Toc87561458)

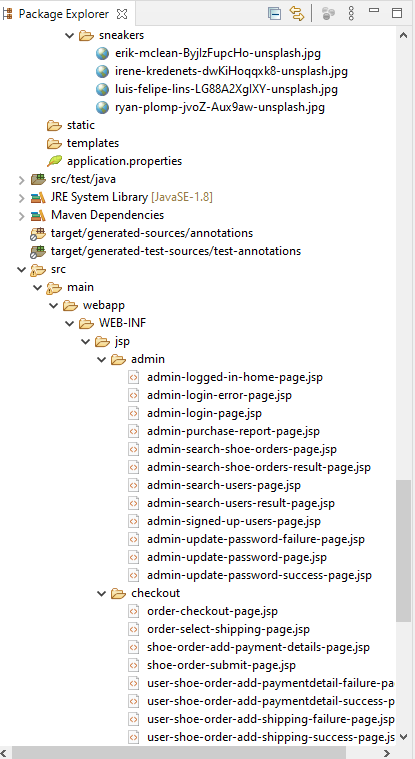
[JSP home Source Code 260](#_Toc87561459)

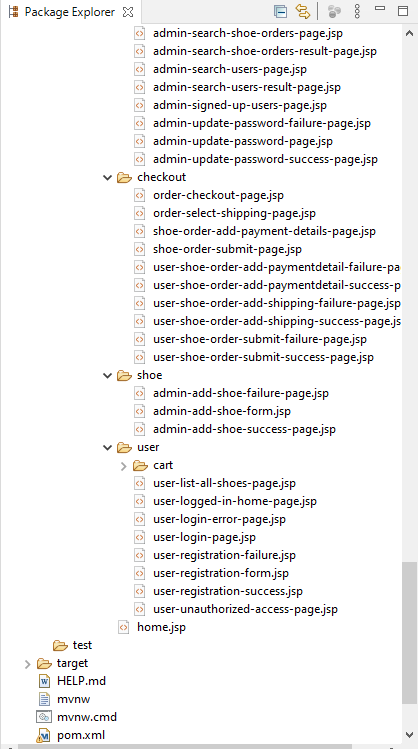
# Project Hierarchy











# Maven POM file for dependency management

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<project xmlns=*"http://maven.apache.org/POM/4.0.0"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<parent>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-parent</artifactId>

<version>2.5.6</version>

<relativePath /> <!-- lookup parent from repository -->

</parent>

<groupId>com.binu.sportyshoes</groupId>

<artifactId>sportyshoeswebproject</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>sportyshoeswebproject</name>

<description>Spring Boot Sporty Shoes Ecommerce Web App</description>

<properties>

<java.version>1.8</java.version>

</properties>

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-actuator</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-data-jpa</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-devtools</artifactId>

<scope>runtime</scope>

<optional>true</optional>

</dependency>

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<scope>runtime</scope>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-test</artifactId>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.apache.tomcat.embed</groupId>

<artifactId>tomcat-embed-jasper</artifactId>

<scope>provided</scope>

</dependency>

<dependency>

<groupId>javax.xml.bind</groupId>

<artifactId>jaxb-api</artifactId>

<version>[2.3.0,]</version>

</dependency>

<dependency>

<groupId>jstl</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-maven-plugin</artifactId>

</plugin>

</plugins>

</build>

</project>

# Java classes and interfaces

## Class SportyShoeswebprojectApplication Source Code

package com.binu.sportyshoes;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.boot.builder.SpringApplicationBuilder;

import org.springframework.boot.web.servlet.support.SpringBootServletInitializer;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.context.annotation.Configuration;

import org.springframework.data.jpa.repository.config.EnableJpaAuditing;

import org.springframework.web.servlet.config.annotation.ResourceHandlerRegistry;

import org.springframework.web.servlet.config.annotation.WebMvcConfigurer;

@SpringBootApplication

@ComponentScan("com.binu.sportyshoes")

public class SportyshoeswebprojectApplication extends SpringBootServletInitializer {

public static void main(String[] args) {

SpringApplication.run(SportyshoeswebprojectApplication.class, args);

}

@Override

protected SpringApplicationBuilder configure(SpringApplicationBuilder application) {

return application.sources(SportyshoeswebprojectApplication.class);

}

@Configuration

@EnableJpaAuditing

public class WebConfig implements WebMvcConfigurer {

@Override

public void addResourceHandlers(ResourceHandlerRegistry registry) {

registry.addResourceHandler("/\*\*")

.addResourceLocations("classpath:/static/","classpath:/images/")

.setCachePeriod(0);

}

}

}

## Class AdminController Source Code

package com.binu.sportyshoes.controller;

import java.sql.Date;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.List;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpSession;

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

import org.springframework.stereotype.Controller;

import org.springframework.ui.ModelMap;

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

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

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

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

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

import com.binu.sportyshoes.dto.Admin;

import com.binu.sportyshoes.dto.OrderItem;

import com.binu.sportyshoes.dto.SearchShoeOrderItem;

import com.binu.sportyshoes.dto.SearchShoeOrdersChoice;

import com.binu.sportyshoes.dto.SearchUserChoice;

import com.binu.sportyshoes.dto.ShoeOrder;

import com.binu.sportyshoes.dto.User;

import com.binu.sportyshoes.service.AdminLoginService;

import com.binu.sportyshoes.service.AdminService;

import com.binu.sportyshoes.service.ShoeOrderService;

import com.binu.sportyshoes.service.UserService;

@Controller

@SessionAttributes({"admin\_user","adminusername","adminpassword"})

@RequestMapping(value="/admin")

public class AdminController {

@Autowired

AdminLoginService adminLoginService;

@Autowired

AdminService adminService;

@Autowired

UserService userService;

@Autowired

ShoeOrderService shoeOrderService;

@RequestMapping(value="/displayAdminLoginPage", method = RequestMethod.GET)

public String showAdminLoginPage(ModelMap model){

return "admin/admin-login-page";

}

@RequestMapping(value="/validateAdminLogin", method = RequestMethod.POST)

public String validateAdminLogin(ModelMap model, @RequestParam String adminUserName, @RequestParam String adminPwd, HttpServletRequest request){

System.out.println("In AdminController: validateAdminLogin() adminUserName=" + adminUserName + " adminPwd=" + adminPwd);

boolean isValidAdminUser = adminLoginService.validateAdminUser(adminUserName, adminPwd);

HttpSession session = request.getSession();

if (!isValidAdminUser) {

model.put("errorMessage", "Invalid Credentials");

model.put("admin\_user", "false");

String msg = "Invalid credentials. Either admin user " + adminUserName + " does not exist or the username/password is incorrect.";

session.setAttribute("adminerror", msg);

System.out.println("In AdminController: validateAdminLogin() adminerror=" + session.getAttribute("adminerror"));

return "admin/admin-login-error-page";

}

model.put("admin\_user", "true");

model.put("adminusername", adminUserName);

model.put("adminpassword", adminPwd);

return "admin/admin-logged-in-home-page";

}

@RequestMapping(value="/displayAdminHomePage", method = RequestMethod.GET)

public String showAdminHomePage(ModelMap model, HttpServletRequest request){

HttpSession session = request.getSession();

System.out.println("In AdminController:1 showAdminHomePage() session=" + session);

if (session == null || session.getAttribute("admin\_user") == null || !session.getAttribute("admin\_user").equals("true")) {

session.setAttribute("usererror", "Sorry, you are not authorized to access this page.");

return "user/user-unauthorized-access-page";

}

return "admin/admin-logged-in-home-page";

}

@RequestMapping(value="/displayAdminUpdatePasswordPage", method = RequestMethod.GET)

public String displayAdminUpdatePasswordPage(ModelMap model, HttpServletRequest request){

HttpSession session = request.getSession();

System.out.println("In AdminController:1 displayAdminUpdatePasswordPage() session=" + session + " session.getAttribute(\"adminusername\")=" + session.getAttribute("adminusername"));

if (session == null || session.getAttribute("admin\_user") == null || !session.getAttribute("admin\_user").equals("true")) {

session.setAttribute("usererror", "Sorry, you are not authorized to access this page.");

return "user/user-unauthorized-access-page";

}

Admin admin = new Admin();

admin.setAdminUserName((String)session.getAttribute("adminusername"));

admin.setAdminPassword((String)session.getAttribute("adminpassword"));

return "admin/admin-update-password-page";

}

@RequestMapping(value="/updateAdminPassword", method = RequestMethod.POST)

public String updateAdminPassword(ModelMap model, @RequestParam String adminUserName, @RequestParam String adminPwd, HttpServletRequest request) {

System.out.println("In AdminController:1 updateAdminPassword() ");

System.out.println("In AdminController:2 updateAdminPassword() adminUserName=" + adminUserName + " adminPwd=" + adminPwd);

HttpSession session = request.getSession();

String oldpassword = (String) session.getAttribute("adminpassword");

Admin newAdminRec = adminService.updateAdminPassword(adminUserName, adminPwd);

if (newAdminRec.getAdminPassword().equals(oldpassword)) {

return "admin/admin-update-password-failure-page";

} else {

return "admin/admin-update-password-success-page";

}

}

@RequestMapping(value="/displaySignedUpUsersPage", method = RequestMethod.GET)

public String displaySignedUpUsersPage(ModelMap model){

List<User> listSignedUpUsers = userService.getAllUsers();

model.addAttribute("listSignedUpUsers", listSignedUpUsers);

return "admin/admin-signed-up-users-page";

}

@RequestMapping(value="/displaySearchUsersPage", method = RequestMethod.GET)

public String displaySearchUsersPage(ModelMap model){

List<String> genderTypeList = Arrays.asList("All", "Male", "Female", "Other");

model.addAttribute("genderTypeList", genderTypeList);

List<String> ageTypeList = Arrays.asList("All", "< 20", "20-29", "30-39", "40-49", "50-59", "> 59");

model.addAttribute("ageTypeList", ageTypeList);

SearchUserChoice searchUserChoice = new SearchUserChoice();

model.addAttribute("searchUserChoice", searchUserChoice);

return "admin/admin-search-users-page";

}

@RequestMapping(value="/searchUsers", method = RequestMethod.POST)

public String searchUsers(@ModelAttribute("searchUserChoice") SearchUserChoice searchUserChoice, ModelMap model, @RequestParam String genderType, @RequestParam String ageType) {

System.out.println("In AdminController:1 searchUsers() ");

System.out.println("In AdminController:2 searchUsers() genderType=" + genderType + " ageType=" + ageType);

List<User> listOfUsers = new ArrayList<>();

if (ageType.equals("All") && genderType.equals("All")) {

listOfUsers = userService.getAllUsers();

} else if (ageType.equals("All") && (!genderType.equals("All"))) {

listOfUsers = userService.findByGender(genderType);

} else if (!ageType.equals("All") && (genderType.equals("All"))) {

if (ageType.equals("< 20")) {

listOfUsers = userService.findByAgeLessThan(20);

} else if (ageType.equals("20-29")) {

listOfUsers = userService.findByAgeBetween(20, 29);

} else if (ageType.equals("30-39")) {

listOfUsers = userService.findByAgeBetween(30, 39);

} else if (ageType.equals("40-49")) {

listOfUsers = userService.findByAgeBetween(40, 49);

} else if (ageType.equals("40-49")) {

listOfUsers = userService.findByAgeBetween(40, 49);

} else if (ageType.equals("50-59")) {

listOfUsers = userService.findByAgeBetween(50, 59);

} else if (ageType.equals("> 59")) {

listOfUsers = userService.findByAgeGreaterThan(59);

}

} else if (!ageType.equals("All") && (!genderType.equals("All"))) {

if (ageType.equals("< 20")) {

listOfUsers = userService.findByAgeLessThanAndGender(20, genderType);

} else if (ageType.equals("20-29")) {

listOfUsers = userService.findByAgeBetweenAndGender(20, 29, genderType);

} else if (ageType.equals("30-39")) {

listOfUsers = userService.findByAgeBetweenAndGender(30, 39, genderType);

} else if (ageType.equals("40-49")) {

listOfUsers = userService.findByAgeBetweenAndGender(40, 49, genderType);

} else if (ageType.equals("40-49")) {

listOfUsers = userService.findByAgeBetweenAndGender(50, 59, genderType);

} else if (ageType.equals("> 59")) {

listOfUsers = userService.findByAgeGreaterThanAndGender(59, genderType);

}

}

model.addAttribute("listOfUsers", listOfUsers);

System.out.println("In AdminController:2 searchUsers() listOfUsers=" + listOfUsers);

return "admin/admin-search-users-result-page";

}

@RequestMapping(value="/displayPurchaseReportPage", method = RequestMethod.GET)

public String displayPurchaseReportsPage(ModelMap model){

List<ShoeOrder> listShoeOrders = shoeOrderService.getAllShoeOrders();

model.addAttribute("listShoeOrders", listShoeOrders);

return "admin/admin-purchase-report-page";

}

@RequestMapping(value="/displaySearchShoeOrdersPage", method = RequestMethod.GET)

public String displaySearchShoeOrdersPage(ModelMap model){

List<String> dateTypeList = Arrays.asList("All Orders", "Orders today", "Orders Last 7 days", "Orders Last 2 weeks", "Orders This Month", "Orders This Year");

model.addAttribute("dateTypeList", dateTypeList);

List<String> categoryOrderTypeList = Arrays.asList("Sneaker", "Boot", "Shoe", "Multitype");

model.addAttribute("categoryOrderTypeList", categoryOrderTypeList);

SearchShoeOrdersChoice searchShoeOrdersChoice = new SearchShoeOrdersChoice();

model.addAttribute("searchShoeOrdersChoice", searchShoeOrdersChoice);

return "admin/admin-search-shoe-orders-page";

}

@RequestMapping(value="/searchShoeOrders", method = RequestMethod.POST)

public String searchShoeOrders(@ModelAttribute("searchShoeOrdersChoice") SearchShoeOrdersChoice searchShoeOrdersChoice, ModelMap model, @RequestParam String dateOfOrderType, @RequestParam String categoryOrderType) {

System.out.println("In AdminController:1 searchShoeOrders() ");

System.out.println("In AdminController:2 searchShoeOrders() dateOfOrderType=" + dateOfOrderType + " categoryOrderType=" + categoryOrderType);

List<ShoeOrder> listOfShoeOrders = new ArrayList<>();

List<SearchShoeOrderItem> listOfShoeOrderItems = new ArrayList<>();

if (dateOfOrderType.equals("All Orders")) {

listOfShoeOrders = shoeOrderService.findByOrderType(categoryOrderType);

System.out.println("In AdminController:3 searchShoeOrders() listOfShoeOrders=" + listOfShoeOrders);

} else if (dateOfOrderType.equals("Orders today")) {

long millis=System.currentTimeMillis();

Date dateOfOrder = new java.sql.Date(millis);

listOfShoeOrders = shoeOrderService.findByDateOfOrderAndOrderType(dateOfOrder, categoryOrderType);

System.out.println("In AdminController:4a searchShoeOrders() listOfShoeOrders=" + listOfShoeOrders);

} else if (dateOfOrderType.equals("Orders Last 7 days")) {

} else if (dateOfOrderType.equals("Orders Last 2 weeks")) {

} else if (dateOfOrderType.equals("Orders This Month")) {

} else if (dateOfOrderType.equals("Orders This Year")) {

}

for (ShoeOrder shoeOrder: listOfShoeOrders) {

System.out.println("In AdminController:3a searchShoeOrders() shoeOrder=" + shoeOrder);

SearchShoeOrderItem searchShoeOrderItem = new SearchShoeOrderItem();

searchShoeOrderItem.setShoeOrderId(shoeOrder.getId());

searchShoeOrderItem.setUserName(shoeOrder.getUserName());

searchShoeOrderItem.setDateOfOrder(shoeOrder.getDateOfOrder());

searchShoeOrderItem.setOrderType(shoeOrder.getOrderType());

searchShoeOrderItem.setShippingCarrier(shoeOrder.getShippingCarrier());

searchShoeOrderItem.setShippingChoice(shoeOrder.getShippingChoice());

searchShoeOrderItem.setShipped(shoeOrder.isShipped());

searchShoeOrderItem.setShippedDate(shoeOrder.getShippedDate());

listOfShoeOrderItems.add(searchShoeOrderItem);

}

model.addAttribute("listOfShoeOrderItems", listOfShoeOrderItems);

System.out.println("In AdminController:99 searchShoeOrders() listOfShoeOrderItems=" + listOfShoeOrderItems);

return "admin/admin-search-shoe-orders-result-page";

}

}

## Class CustomerCartController Source Code

**package com.binu.sportyshoes.controller;**

**import java.util.ArrayList;**

**import java.util.List;**

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

**import javax.servlet.http.HttpServletResponse;**

**import javax.servlet.http.HttpSession;**

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

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

**import org.springframework.ui.ModelMap;**

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

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

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

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

**import com.binu.sportyshoes.dto.CustomerCart;**

**import com.binu.sportyshoes.dto.OrderItem;**

**import com.binu.sportyshoes.service.CustomerCartService;**

**@Controller**

**@SessionAttributes({"subtotal","tax","total","orderItemQuantity"})**

**@RequestMapping(value="/cart")**

**public class CustomerCartController {**

**@Autowired**

**CustomerCartService customerCartService;**

**@RequestMapping(value="/displayCustomerCartPage", method = RequestMethod.GET)**

**public String displayCustomerCartPage(ModelMap model, HttpServletRequest request, HttpServletResponse response){**

**System.out.println("In CustomerCartController:1 displayCustomerCartPage() ");**

**HttpSession session = request.getSession();**

**CustomerCart customerCart = (CustomerCart)session.getAttribute("customer\_cart");**

**System.out.println("In CustomerCartController:2 displayCustomerCartPage() customerCart=" + customerCart);**

**List<OrderItem> listOfAllOrderItems = customerCartService.getAllOrderItems(customerCart.getId());**

**// loop thru the list of order items and sum up the subtotal, tax and total amounts**

**double subtotal = 0.0;**

**double tax = 0.0;**

**double total = 0.0;**

**int orderItemQuantity = 0;**

**for (OrderItem item : listOfAllOrderItems) {**

**subtotal += item.getPurchaseQuantity() \* item.getPrice();**

**orderItemQuantity += item.getPurchaseQuantity();**

**}**

**subtotal = Math.round(subtotal \* 100.0) / 100.0;**

**tax = Math.round(subtotal \* 0.06 \* 100.0) / 100.0;**

**total = Math.round((subtotal + tax) \* 100.0) / 100.0;**

**System.out.println("In CustomerCartController:3 displayCustomerCartPage() listOfAllOrderItems=" + listOfAllOrderItems);**

**model.addAttribute("listOfAllOrderItems", listOfAllOrderItems);**

**model.addAttribute("subtotal", subtotal);**

**model.addAttribute("tax", tax);**

**model.addAttribute("total", total);**

**model.addAttribute("orderItemQuantity", orderItemQuantity);**

**return "user/cart/user-cart-page";**

**}**

**@RequestMapping(value="/addItemToCart/{id}", method = RequestMethod.GET)**

**public String addItemToCart(@PathVariable(name = "id") int shoeId, ModelMap model, HttpServletRequest request) {**

**System.out.println("In CustomerCartController:1 addItemToCart() shoeId=" + shoeId);**

**HttpSession session = request.getSession();**

**System.out.println("In CustomerCartController:1a addItemToCart() session=" + session);**

**CustomerCart customerCart = (CustomerCart)session.getAttribute("customer\_cart");**

**String userName = (String)session.getAttribute("user\_name");**

**System.out.println("In CustomerCartController:1b addItemToCart() customerCart=" + customerCart);**

**if (customerCart == null) {**

**customerCart = new CustomerCart();**

**customerCart.setCustomerUsername(userName);**

**List<OrderItem> listOfOrderItems = new ArrayList<>();**

**customerCart.setOrderItems(listOfOrderItems);**

**CustomerCart saved\_cart = customerCartService.addCart(customerCart);**

**model.put("customer\_cart", saved\_cart);**

**session.setAttribute("customer\_cart", saved\_cart);**

**}**

**try {**

**System.out.println("In CustomerCartController:1c addItemToCart()");**

**int customerCartId = customerCart.getId();**

**System.out.println("In CustomerCartController:2 addItemToCart() shoeId=" + shoeId + " customerCartId=" + customerCartId);**

**OrderItem item = new OrderItem();**

**item.setShoeId(shoeId);**

**item.setPurchaseQuantity(1);**

**CustomerCart updatedCart = customerCartService.addItemToCart(customerCartId, item);**

**model.put("customer\_cart", updatedCart);**

**session.setAttribute("customer\_cart", updatedCart);**

**customerCart = (CustomerCart)session.getAttribute("customer\_cart");**

**System.out.println("In CustomerCartController:3 addItemToCart() customerCart=" + customerCart);**

**session.setAttribute("success", "Excellent! You have successfully added a sporty shoe to your cart!");**

**return "user/cart/user-cart-item-successfully-added-page";**

**} catch (Exception e) {**

**session.setAttribute("error", "Sorry, the item could not be added. Try again later.");**

**return "user/cart/user-cart-item-add-failure-page";**

**}**

**}**

**//deleteOrderItem**

**@RequestMapping(value="/deleteOrderItem/{id}", method = RequestMethod.GET)**

**public String deleteOrderItem(@PathVariable(name = "id") int orderItemId, ModelMap model, HttpServletRequest request, HttpServletResponse response) {**

**System.out.println("In CustomerCartController:1 deleteOrderItem() orderItemId=" + orderItemId);**

**HttpSession session = request.getSession();**

**System.out.println("In CustomerCartController:1a deleteOrderItem() session=" + session);**

**CustomerCart customerCart = (CustomerCart)session.getAttribute("customer\_cart");**

**System.out.println("In CustomerCartController:1b deleteOrderItem() customerCart=" + customerCart);**

**try {**

**System.out.println("In CustomerCartController:1c deleteOrderItem()");**

**int customerCartId = customerCart.getId();**

**System.out.println("In CustomerCartController:2 deleteOrderItem() orderItemId=" + orderItemId + " customerCartId=" + customerCartId);**

**customerCartService.deleteItemFromCart(customerCartId, orderItemId);**

**session.setAttribute("success", "You have successfully deleted the item from your cart.");**

**return "user/cart/user-cart-item-delete-success-page";**

**} catch (Exception e) {**

**session.setAttribute("error", "Sorry, the item could not be deleted. Try again later.");**

**return "user/cart/user-cart-item-delete-failure-page";**

**}**

**}**

**}**

## Class HomeController Source Code

**package com.binu.sportyshoes.controller;**

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

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

**import org.springframework.ui.ModelMap;**

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

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

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

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

**@Controller**

**public class HomeController {**

**@RequestMapping(value="/", method = RequestMethod.GET)**

**public String showHomePage(ModelMap model){**

**return "home";**

**}**

**}**

## Class ShoeController Source Code

**package com.binu.sportyshoes.controller;**

**import java.util.Arrays;**

**import java.util.List;**

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

**import javax.servlet.http.HttpSession;**

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

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

**import org.springframework.ui.ModelMap;**

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

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

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

**import com.binu.sportyshoes.dto.Shoe;**

**import com.binu.sportyshoes.service.ShoeService;**

**@Controller**

**@RequestMapping(value="/shoe")**

**public class ShoeController {**

**@Autowired**

**ShoeService shoeService;**

**@RequestMapping(value="/displayAddShoeToInventoryPage", method = RequestMethod.GET)**

**public String displayAddShoeToInventoryPage(ModelMap model, HttpServletRequest request){**

**HttpSession session = request.getSession();**

**System.out.println("In ShoeController: displayAddShoeToInventoryPage() session=" + session);**

**if (session == null || session.getAttribute("admin\_user") == null || !session.getAttribute("admin\_user").equals("true")) {**

**session.setAttribute("usererror", "Sorry, you are not authorized to access this page.");**

**return "user/user-unauthorized-access-page";**

**}**

**Shoe shoe = new Shoe();**

**List<String> shoeTypeList = Arrays.asList("Boot", "Shoe", "Sneaker");**

**List<String> brandList = Arrays.asList("Adidas", "Nike", "Reebok", "Skechers", "Puma", "Wilson", "Bostonian", "Arnot",**

**"Fendi", "Gucci", "Louis Vitton", "Tommy Hilfiger", "Nautica", "Pearl", "Timberland", "UrbanWear", "Other");**

**List<String> colorList = Arrays.asList("White", "Black", "Brown", "Red", "Green", "Blue", "Pink", "Orange", "Yellow", "Silver", "Gold", "Multicolored", "Other");**

**List<String> sizeList = Arrays.asList("1", "1.5", "2", "2.5", "3", "3.5", "4", "4.5", "5", "5.5", "6", "6.5", "7", "7.5", "8", "8.5",**

**"9", "9.5", "10", "10.5", "11", "11.5", "12", "12.5");**

**List<String> countryOfManufactureList = Arrays.asList("USA", "Mexico", "Canada", "China", "India", "Brazil", "Turkey", "Russia",**

**"Venezuela", "Argentina", "France", "Italy", "Switzerland", "Austria", "Sri Lanka", "England", "Other");**

**model.addAttribute("shoe", shoe);**

**model.addAttribute("shoeTypeList", shoeTypeList);**

**model.addAttribute("brandList", brandList);**

**model.addAttribute("colorList", colorList);**

**model.addAttribute("sizeList", sizeList);**

**model.addAttribute("countryOfManufactureList", countryOfManufactureList);**

**return "shoe/admin-add-shoe-form";**

**}**

**@RequestMapping(value="/addShoeToInventory", method = RequestMethod.POST)**

**public String addShoeToInventory(@ModelAttribute("shoe") Shoe shoe, HttpServletRequest request) {**

**System.out.println(shoe);**

**HttpSession session = request.getSession();**

**session.setAttribute("shoename", shoe.getShoeName());**

**Shoe addedShoe = shoeService.addShoeToInventory(shoe);**

**if (addedShoe.getId().equals(null)) {**

**String msg = "Sorry, the shoe " + addedShoe.getStockId() + " : " + addedShoe.getShoeName() + " could not be added. Please contact the Help Desk.";**

**session.setAttribute("errormsg", msg);**

**return "shoe/admin-add-shoe-failure-page";**

**} else {**

**String msg = addedShoe.getStockId() + " : " + addedShoe.getShoeName();**

**session.setAttribute("successmsg", msg);**

**return "shoe/admin-add-shoe-success-page";**

**}**

**}**

**}**

## Class ShoeOrderController Source Code

**package com.binu.sportyshoes.controller;**

**import java.util.Arrays;**

**import java.util.List;**

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

**import javax.servlet.http.HttpSession;**

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

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

**import org.springframework.ui.ModelMap;**

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

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

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

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

**import com.binu.sportyshoes.dto.Address;**

**import com.binu.sportyshoes.dto.CustomerCart;**

**import com.binu.sportyshoes.dto.OrderItem;**

**import com.binu.sportyshoes.dto.PaymentDetail;**

**import com.binu.sportyshoes.dto.Shipping;**

**import com.binu.sportyshoes.dto.ShippingChoice;**

**import com.binu.sportyshoes.dto.ShoeOrder;**

**import com.binu.sportyshoes.service.AddressService;**

**import com.binu.sportyshoes.service.CustomerCartService;**

**import com.binu.sportyshoes.service.PaymentDetailService;**

**import com.binu.sportyshoes.service.ShippingService;**

**import com.binu.sportyshoes.service.ShoeOrderService;**

**import com.binu.sportyshoes.service.ShoeService;**

**@Controller**

**@SessionAttributes({"savedShoeOrder","updatedShoeOrder"})**

**@RequestMapping(value="/checkout")**

**public class ShoeOrderController {**

**@Autowired**

**ShoeService shoeService;**

**@Autowired**

**ShoeOrderService shoeOrderService;**

**@Autowired**

**ShippingService shippingService;**

**@Autowired**

**CustomerCartService customerCartService;**

**@Autowired**

**PaymentDetailService paymentDetailService;**

**@Autowired**

**AddressService addressService;**

**@RequestMapping(value = "/displaySelectShippingPage", method = RequestMethod.GET)**

**public String displaySelectShippingPage(ModelMap model, HttpServletRequest request) {**

**HttpSession session = request.getSession();**

**CustomerCart customerCart = (CustomerCart)session.getAttribute("customer\_cart");**

**System.out.println("In ShoeOrderController:2 displaySelectShippingPage() session=" + session + " session.getAttribute(\"user\_name\")=" + session.getAttribute("user\_name"));**

**if (session == null || session.getAttribute("user\_name") == null || session.getAttribute("user\_name").equals("")) {**

**session.setAttribute("usererror", "Sorry, you are not authorized to access this page.");**

**return "user/user-unauthorized-access-page";**

**}**

**List<OrderItem> listOfAllOrderItems = customerCartService.getAllOrderItems(customerCart.getId());**

**ShippingChoice shippingChoice = new ShippingChoice();**

**List<String> shippingCarrierList = Arrays.asList("USPS", "FedEx", "UPS", "DHL");**

**List<String> shippingTypeList = Arrays.asList("Regular", "2\_Day\_Air", "3\_Day\_Air", "Overnight");**

**model.addAttribute("listOfAllOrderItems", listOfAllOrderItems);**

**model.addAttribute("shippingChoice", shippingChoice);**

**model.addAttribute("shippingCarrierList", shippingCarrierList);**

**model.addAttribute("shippingTypeList", shippingTypeList);**

**return "checkout/order-select-shipping-page";**

**}**

**@RequestMapping(value="/addShippingChoice", method = RequestMethod.POST)**

**public String addShippingChoice(@ModelAttribute("shippingChoice") ShippingChoice shippingChoice, HttpServletRequest request) {**

**System.out.println("In ShoeOrderController:1 addShippingChoice() shippingChoice=" + shippingChoice);**

**HttpSession session = request.getSession();**

**CustomerCart customerCart = (CustomerCart)session.getAttribute("customer\_cart");**

**double subtotal = (double) session.getAttribute("subtotal");**

**double tax = (double) session.getAttribute("tax");**

**double total = (double) session.getAttribute("total");**

**int orderItemQuantity = (int) session.getAttribute("orderItemQuantity");**

**Shipping shipping = shippingService.getShippingById(shippingChoice.getShippingCarrier()+"\_"+shippingChoice.getShippingType());**

**double shippingCost = Math.round((orderItemQuantity \* shipping.getCostPerItem()) \* 100.0) / 100.0;**

**double grandTotal = Math.round((total + shippingCost) \* 100.0) / 100.0;**

**System.out.println("In ShoeOrderController:2 addShippingChoice() customerCart=" + customerCart);**

**// build ShoeOrder**

**session.setAttribute("savedShoeOrder", null);**

**ShoeOrder shoeOrder = new ShoeOrder();**

**shoeOrder.setUserName(customerCart.getCustomerUsername());**

**long millis=System.currentTimeMillis();**

**shoeOrder.setDateOfOrder(new java.sql.Date(millis));**

**shoeOrder.setOrderItems(customerCart.getOrderItems());**

**System.out.println("\n\n\n\n");**

**String orderType = "";**

**for ( OrderItem item : customerCart.getOrderItems()) {**

**String shoeType = shoeService.findById(item.getShoeId()).getShoeType();**

**if (orderType.equals("")) {**

**System.out.println("In ShoeOrderController:2a addShippingChoice() where orderType equals blank orderType=" + orderType);**

**orderType = shoeType;**

**} else if (orderType.equals(shoeType)) {**

**System.out.println("In ShoeOrderController:2b addShippingChoice() where orderType equals shoeType orderType=" + orderType + " shoeType=" + shoeType);**

**orderType = shoeType;**

**} else {**

**System.out.println("In ShoeOrderController:2c addShippingChoice() where orderType does not equal shoeType and setting to Multitype orderType=|" + orderType + "| shoeType=|" + shoeType + "|");**

**orderType = "Multitype";**

**}**

**}**

**System.out.println("\n\n\n\n");**

**shoeOrder.setOrderType(orderType);**

**shoeOrder.setShippingCarrier(shippingChoice.getShippingCarrier());**

**shoeOrder.setShippingChoice(shippingChoice.getShippingType());**

**shoeOrder.setOrderBeforeTaxCost(subtotal);**

**shoeOrder.setOrderTax(tax);**

**shoeOrder.setOrderShippingCost(shippingCost);**

**shoeOrder.setOrderGrandTotal(grandTotal);**

**shoeOrder.setShipped(false);**

**// ShoeOrder savedShoeOrder = shoeOrderService.addShoeOrder(shoeOrder);**

**System.out.println("In ShoeOrderController:3 addShippingChoice() shoe order saved to db =====> shoeOrder=" + shoeOrder + " session.getAttribute(\"savedShoeOrder\")=" + session.getAttribute("savedShoeOrder"));**

**session.setAttribute("updatedShoeOrder", shoeOrder);**

**System.out.println("In ShoeOrderController:4 addShippingChoice() session.getAttribute(\"updatedShoeOrder\")=" + session.getAttribute("updatedShoeOrder"));**

**/\***

**if (savedShoeOrder.getId().equals(null)) {**

**String msg = "Sorry, shipping could not be added to the shoe order. Please contact the Help Desk.";**

**session.setAttribute("error", msg);**

**return "checkout/user-shoe-order-add-shipping-failure-page";**

**} else {**

**String msg = "Shipping was successfully added to the shoe order. Please click to add payment details.";**

**session.setAttribute("success", msg);**

**return "checkout/user-shoe-order-add-shipping-success-page";**

**}**

**\*/**

**String msg = "Shipping was successfully added to the shoe order. Please click to add payment details.";**

**session.setAttribute("success", msg);**

**return "checkout/user-shoe-order-add-shipping-success-page";**

**}**

**@RequestMapping(value = "/displayAddPaymentDetailsPage", method = RequestMethod.GET)**

**public String displayAddPaymentDetailsPage(ModelMap model, HttpServletRequest request) {**

**HttpSession session = request.getSession();**

**System.out.println("In ShoeOrderController:1 displayAddPaymentDetailsPage() session.getAttribute(\"updatedShoeOrder\")=" + session.getAttribute("updatedShoeOrder"));**

**System.out.println("In ShoeOrderController:2 displayAddPaymentDetailsPage() session=" + session + " session.getAttribute(\"user\_name\")=" + session.getAttribute("user\_name"));**

**if (session == null || session.getAttribute("user\_name") == null || session.getAttribute("user\_name").equals("")) {**

**session.setAttribute("usererror", "Sorry, you are not authorized to access this page.");**

**return "user/user-unauthorized-access-page";**

**}**

**PaymentDetail paymentDetail = new PaymentDetail();**

**List<String> paymentTypeList = Arrays.asList("1 - CC", "2 - Debit");**

**List<String> expMonthList = Arrays.asList("01 - Jan", "02 - Feb", "03 - Mar", "04 - Apr", "05 - May", "06 - Jun", "07 - Jul", "08 - Aug",**

**"09 - Sep", "10 - Oct", "11 - Nov", "12 - Dec");**

**List<String> expYearList = Arrays.asList("2021", "2022", "2023", "2024", "2025", "2026", "2027", "2028",**

**"2029", "2030");**

**List<String> countryList = Arrays.asList("USA", "Canada");**

**model.addAttribute("paymentDetail", paymentDetail);**

**model.addAttribute("paymentTypeList", paymentTypeList);**

**model.addAttribute("expMonthList", expMonthList);**

**model.addAttribute("expYearList", expYearList);**

**model.addAttribute("countryList", countryList);**

**return "checkout/shoe-order-add-payment-details-page";**

**}**

**@RequestMapping(value="/addPaymentDetail", method = RequestMethod.POST)**

**public String addPaymentDetail(@ModelAttribute("paymentDetail") PaymentDetail paymentDetail, HttpServletRequest request) {**

**System.out.println("In ShoeOrderController:1 addPaymentDetail() paymentDetail=" + paymentDetail);**

**HttpSession session = request.getSession();**

**System.out.println("In ShoeOrderController:1a addPaymentDetail() session.getAttribute(\"updatedShoeOrder\")=" + session.getAttribute("updatedShoeOrder"));**

**CustomerCart customerCart = (CustomerCart)session.getAttribute("customer\_cart");**

**//double subtotal = (double) session.getAttribute("subtotal");**

**//double tax = (double) session.getAttribute("tax");**

**//double total = (double) session.getAttribute("total");**

**System.out.println("In ShoeOrderController:2 addPaymentDetail() customerCart=" + customerCart);**

**// save billingAddress to the db**

**Address billingAddress = new Address();**

**billingAddress.setAddressLine1(paymentDetail.getBillingAddress().getAddressLine1());**

**billingAddress.setAddressLine2(paymentDetail.getBillingAddress().getAddressLine2());**

**billingAddress.setCity(paymentDetail.getBillingAddress().getCity());**

**billingAddress.setState(paymentDetail.getBillingAddress().getState());**

**billingAddress.setZipCode(paymentDetail.getBillingAddress().getZipCode());**

**billingAddress.setCountry(paymentDetail.getBillingAddress().getCountry());**

**Address savedBillingAddress = addressService.addAddress(billingAddress);**

**System.out.println("In ShoeOrderController:3 addPaymentDetail() billing address saved to db =====> savedBillingAddress=" + savedBillingAddress);**

**paymentDetail.setBillingAddress(savedBillingAddress);**

**// add PaymentDetail record to DB**

**PaymentDetail savedPaymentDetail = paymentDetailService.addPaymentDetail(paymentDetail);**

**System.out.println("In ShoeOrderController:4 addPaymentDetail() payment detail saved to db =====> savedPaymentDetail=" + savedPaymentDetail);**

**// build ShoeOrder**

**ShoeOrder shoeOrder = (ShoeOrder)session.getAttribute("updatedShoeOrder");**

**shoeOrder.setPaymentDetail(savedPaymentDetail);**

**System.out.println("In ShoeOrderController:5 addPaymentDetail() shoe order NOT YET saved to db =====> shoeOrder=" + shoeOrder);**

**session.setAttribute("updatedShoeOrder", shoeOrder);**

**System.out.println("In ShoeOrderController:6 addPaymentDetail() session.getAttribute(\"updatedShoeOrder\")=" + session.getAttribute("updatedShoeOrder"));**

**String msg = "Payment detail was successfully added to the shoe order. Please go to the next page to submit the order.";**

**session.setAttribute("success", msg);**

**return "checkout/user-shoe-order-add-paymentdetail-success-page";**

**}**

**@RequestMapping(value = "/displaySubmitShoeOrderPage", method = RequestMethod.GET)**

**public String displaySubmitShoeOrderPage(ModelMap model, HttpServletRequest request) {**

**System.out.println("In ShoeOrderController:2 displaySubmitShoeOrderPage() ");**

**HttpSession session = request.getSession();**

**System.out.println("In ShoeOrderController:2 displaySubmitShoeOrderPage() session=" + session + " session.getAttribute(\"user\_name\")=" + session.getAttribute("user\_name"));**

**System.out.println("In ShoeOrderController:3 displaySubmitShoeOrderPage() session.getAttribute(\"updatedShoeOrder\")=" + session.getAttribute("updatedShoeOrder"));**

**if (session == null || session.getAttribute("user\_name") == null || session.getAttribute("user\_name").equals("")) {**

**session.setAttribute("usererror", "Sorry, you are not authorized to access this page.");**

**return "user/user-unauthorized-access-page";**

**}**

**ShoeOrder shoeOrder = new ShoeOrder();**

**model.addAttribute("shoeOrder", shoeOrder);**

**System.out.println("In ShoeOrderController:4 displaySubmitShoeOrderPage() session.getAttribute(\"updatedShoeOrder\")=" + session.getAttribute("updatedShoeOrder"));**

**return "checkout/shoe-order-submit-page";**

**}**

**@RequestMapping(value="/submitShoeOrder", method = RequestMethod.POST)**

**public String submitShoeOrder(HttpServletRequest request, @ModelAttribute("shoeOrder") PaymentDetail shoeOrder) {**

**System.out.println("In ShoeOrderController:1 submitShoeOrder() ");**

**HttpSession session = request.getSession();**

**System.out.println("In ShoeOrderController:1a submitShoeOrder() session.getAttribute(\"updatedShoeOrder\")=" + session.getAttribute("updatedShoeOrder"));**

**// submit shoe order**

**ShoeOrder shoeOrderToSave = (ShoeOrder)session.getAttribute("updatedShoeOrder");**

**System.out.println("In ShoeOrderController:2 submitShoeOrder() shoeOrderToSave=" + shoeOrderToSave);**

**ShoeOrder savedShoeOrder = shoeOrderService.addShoeOrder(shoeOrderToSave);**

**System.out.println("In ShoeOrderController:3 submitShoeOrder() shoe order saved to db =====> savedShoeOrder=" + savedShoeOrder);**

**session.setAttribute("updatedShoeOrder", savedShoeOrder);**

**if (savedShoeOrder.getId().equals(null)) {**

**String msg = "Sorry, the shoe order could not be submitted. Please contact the Help Desk.";**

**session.setAttribute("error", msg);**

**return "checkout/user-shoe-order-submit-failure-page";**

**} else {**

**String msg = "The shoe order was successfully submitted. Thank you for your order.";**

**session.setAttribute("success", msg);**

**// clear the customer's cart**

**session.setAttribute("customer\_cart", null);**

**session.setAttribute("savedShoeOrder", null);**

**session.setAttribute("updatedShoeOrder", null);**

**return "checkout/user-shoe-order-submit-success-page";**

**}**

**}**

**}**

## Class UserController Source Code

**package com.binu.sportyshoes.controller;**

**import java.util.ArrayList;**

**import java.util.Arrays;**

**import java.util.List;**

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

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

**import org.springframework.ui.ModelMap;**

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

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

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

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

**import com.binu.sportyshoes.dto.CustomerCart;**

**import com.binu.sportyshoes.dto.OrderItem;**

**import com.binu.sportyshoes.dto.Shoe;**

**import com.binu.sportyshoes.service.CustomerCartService;**

**import com.binu.sportyshoes.service.ShoeService;**

**import com.binu.sportyshoes.service.UserLoginService;**

**@Controller**

**@SessionAttributes({"user\_name", "user\_password", "customer\_cart"})**

**@RequestMapping(value="/user")**

**public class UserController {**

**@Autowired**

**UserLoginService userLoginService;**

**@Autowired**

**CustomerCartService customerCartService;**

**@Autowired**

**ShoeService shoeService;**

**@RequestMapping(value="/displayUserLoginPage", method = RequestMethod.GET)**

**public String showUserLoginPage(ModelMap model){**

**return "user/user-login-page";**

**}**

**@RequestMapping(value="/displayLoggedInCustomerHomePage", method = RequestMethod.GET)**

**public String displayLoggedInCustomerHomePage(ModelMap model){**

**return "user/user-logged-in-home-page";**

**}**

**@RequestMapping(value="/validateUserLogin", method = RequestMethod.POST)**

**public String validateUserLogin(ModelMap model, @RequestParam String userName, @RequestParam String userPwd){**

**boolean isValidUser = userLoginService.validateUser(userName, userPwd);**

**if (!isValidUser) {**

**model.put("errorMessage", "Invalid Credentials");**

**model.put("user\_name", "");**

**model.put("user\_id", "");**

**return "user/user-login-error-page";**

**}**

**model.put("errorMessage", "");**

**model.put("user\_name", userName);**

**model.put("user\_password", userPwd);**

**CustomerCart customerCart = new CustomerCart();**

**customerCart.setCustomerUsername(userName);**

**List<OrderItem> listOfOrderItems = new ArrayList<>();**

**customerCart.setOrderItems(listOfOrderItems);**

**CustomerCart saved\_cart = customerCartService.addCart(customerCart);**

**model.put("customer\_cart", saved\_cart);**

**return "user/user-logged-in-home-page";**

**}**

**@RequestMapping(value="/listAllSportyShoes", method = RequestMethod.GET)**

**public String listAllSportyShoes(ModelMap model){**

**List<Shoe> listShoes = shoeService.getAllShoes();**

**model.addAttribute("listShoes", listShoes);**

**return "user/user-list-all-shoes-page";**

**}**

**@RequestMapping(value="/searchSportyShoesPage", method = RequestMethod.GET)**

**public String searchSportyShoesPage(ModelMap model){**

**List<String> shoeTypeList = Arrays.asList("Sneaker", "Boot", "Shoe");**

**model.addAttribute("shoeTypeList", shoeTypeList);**

**return "user/user-search-sporty-shoes-page";**

**}**

**}**

## Class UserRegistrationController Source Code

**package com.binu.sportyshoes.controller;**

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

**import javax.servlet.http.HttpSession;**

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

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

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

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

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

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

**import com.binu.sportyshoes.dto.User;**

**import com.binu.sportyshoes.service.UserRegistrationServiceImpl;**

**@Controller**

**@RequestMapping("/user")**

**public class UserRegistrationController {**

**@Autowired**

**UserRegistrationServiceImpl userRegistrationService;**

**@RequestMapping(value="/displayUserRegistrationPage", method = RequestMethod.GET)**

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

**User user = new User();**

**model.addAttribute("user", user);**

**return "user/user-registration-form";**

**}**

**@RequestMapping(value="/registerUser", method = RequestMethod.POST)**

**public String registerUser(@ModelAttribute("user") User user, HttpServletRequest request) {**

**System.out.println(user);**

**// first check if username already exists in db**

**boolean alreadyExists = userRegistrationService.doesUserExistInDB(user.getUserName());**

**HttpSession session = request.getSession();**

**session.setAttribute("username", user.getUserName());**

**if (!alreadyExists) {**

**user = userRegistrationService.registerUser(user);**

**return "user/user-registration-success";**

**} else {**

**String msg = "Sorry, the user name " + user.getUserName() + " already exists. Please register using a different user name.";**

**session.setAttribute("error", msg);**

**return "user/user-registration-failure";**

**}**

**}**

**}**

## Class Addres Source Code

**package com.binu.sportyshoes.dto;**

**import java.sql.Date;**

**import javax.persistence.Column;**

**import javax.persistence.Entity;**

**import javax.persistence.GeneratedValue;**

**import javax.persistence.GenerationType;**

**import javax.persistence.Id;**

**import org.hibernate.annotations.CreationTimestamp;**

**import org.springframework.data.annotation.LastModifiedDate;**

**@Entity**

**public class Address {**

**@Id**

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

**private Integer id;**

**private String addressLine1;**

**private String addressLine2;**

**private String city;**

**private String state;**

**private String zipCode;**

**private String country;**

**@CreationTimestamp**

**@Column(name = "created\_at", nullable = false, updatable = false)**

**private Date creationDate;**

**@LastModifiedDate**

**@Column(name = "last\_updated\_at")**

**private Date lastUpdateDate;**

**public Address() {**

**}**

**public Address(Integer id, String addressLine1, String addressLine2, String city, String state, String zipCode,**

**String country, Date creationDate, Date lastUpdateDate) {**

**this.id = id;**

**this.addressLine1 = addressLine1;**

**this.addressLine2 = addressLine2;**

**this.city = city;**

**this.state = state;**

**this.zipCode = zipCode;**

**this.country = country;**

**this.creationDate = creationDate;**

**this.lastUpdateDate = lastUpdateDate;**

**}**

**public Integer getId() {**

**return id;**

**}**

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

**this.id = id;**

**}**

**public String getAddressLine1() {**

**return addressLine1;**

**}**

**public void setAddressLine1(String addressLine1) {**

**this.addressLine1 = addressLine1;**

**}**

**public String getAddressLine2() {**

**return addressLine2;**

**}**

**public void setAddressLine2(String addressLine2) {**

**this.addressLine2 = addressLine2;**

**}**

**public String getCity() {**

**return city;**

**}**

**public void setCity(String city) {**

**this.city = city;**

**}**

**public String getState() {**

**return state;**

**}**

**public void setState(String state) {**

**this.state = state;**

**}**

**public String getZipCode() {**

**return zipCode;**

**}**

**public void setZipCode(String zipCode) {**

**this.zipCode = zipCode;**

**}**

**public String getCountry() {**

**return country;**

**}**

**public void setCountry(String country) {**

**this.country = country;**

**}**

**public Date getCreationDate() {**

**return creationDate;**

**}**

**public void setCreationDate(Date creationDate) {**

**this.creationDate = creationDate;**

**}**

**public Date getLastUpdateDate() {**

**return lastUpdateDate;**

**}**

**public void setLastUpdateDate(Date lastUpdateDate) {**

**this.lastUpdateDate = lastUpdateDate;**

**}**

**@Override**

**public String toString() {**

**return "Address [id=" + id + ", addressLine1=" + addressLine1 + ", addressLine2=" + addressLine2 + ", city="**

**+ city + ", state=" + state + ", zipCode=" + zipCode + ", country=" + country + ", creationDate="**

**+ creationDate + ", lastUpdateDate=" + lastUpdateDate + "]";**

**}**

**}**

## Class AdminSource Code

**package com.binu.sportyshoes.dto;**

**import java.sql.Date;**

**import javax.persistence.Column;**

**import javax.persistence.Entity;**

**import javax.persistence.GeneratedValue;**

**import javax.persistence.GenerationType;**

**import javax.persistence.Id;**

**import org.hibernate.annotations.CreationTimestamp;**

**import org.springframework.data.annotation.LastModifiedDate;**

**@Entity**

**public class Admin {**

**@Id**

**private String adminUserName;**

**private String adminPassword;**

**private String firstName;**

**private String lastName;**

**@CreationTimestamp**

**@Column(name = "created\_at", nullable = false, updatable = false)**

**private Date creationDate;**

**@LastModifiedDate**

**@Column(name = "last\_updated\_at", updatable = true)**

**private Date lastUpdateDate;**

**public Admin() {**

**}**

**public Admin(String adminUserName, String adminPassword, String firstName, String lastName, Date creationDate,**

**Date lastUpdateDate) {**

**super();**

**this.adminUserName = adminUserName;**

**this.adminPassword = adminPassword;**

**this.firstName = firstName;**

**this.lastName = lastName;**

**this.creationDate = creationDate;**

**this.lastUpdateDate = lastUpdateDate;**

**}**

**public String getAdminUserName() {**

**return adminUserName;**

**}**

**public void setAdminUserName(String adminUserName) {**

**this.adminUserName = adminUserName;**

**}**

**public String getAdminPassword() {**

**return adminPassword;**

**}**

**public void setAdminPassword(String adminPassword) {**

**this.adminPassword = adminPassword;**

**}**

**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 Date getCreationDate() {**

**return creationDate;**

**}**

**public void setCreationDate(Date creationDate) {**

**this.creationDate = creationDate;**

**}**

**public Date getLastUpdateDate() {**

**return lastUpdateDate;**

**}**

**public void setLastUpdateDate(Date lastUpdateDate) {**

**this.lastUpdateDate = lastUpdateDate;**

**}**

**@Override**

**public int hashCode() {**

**final int prime = 31;**

**int result = 1;**

**result = prime \* result + ((adminUserName == null) ? 0 : adminUserName.hashCode());**

**return result;**

**}**

**@Override**

**public boolean equals(Object obj) {**

**if (this == obj)**

**return true;**

**if (obj == null)**

**return false;**

**if (getClass() != obj.getClass())**

**return false;**

**Admin other = (Admin) obj;**

**if (adminUserName == null) {**

**if (other.adminUserName != null)**

**return false;**

**} else if (!adminUserName.equals(other.adminUserName))**

**return false;**

**return true;**

**}**

**@Override**

**public String toString() {**

**return "Admin [adminUserName=" + adminUserName + ", adminPassword=" + adminPassword + ", firstName=" + firstName**

**+ ", lastName=" + lastName + ", creationDate=" + creationDate + ", lastUpdateDate=" + lastUpdateDate**

**+ "]";**

**}**

**}**

## Class CustomerCart Source Code

**package com.binu.sportyshoes.dto;**

**import java.util.List;**

**import javax.persistence.Entity;**

**import javax.persistence.GeneratedValue;**

**import javax.persistence.GenerationType;**

**import javax.persistence.Id;**

**import javax.persistence.OneToMany;**

**@Entity**

**public class CustomerCart {**

**@Id**

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

**private Integer id;**

**private String customerUsername;**

**@OneToMany**

**private List<OrderItem> orderItems;**

**public CustomerCart() {**

**}**

**public CustomerCart(Integer id, String customerUsername, List<OrderItem> orderItems) {**

**this.id = id;**

**this.customerUsername = customerUsername;**

**this.orderItems = orderItems;**

**}**

**public CustomerCart(String customerUsername, List<OrderItem> orderItems) {**

**super();**

**this.customerUsername = customerUsername;**

**this.orderItems = orderItems;**

**}**

**public Integer getId() {**

**return id;**

**}**

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

**this.id = id;**

**}**

**public String getCustomerUsername() {**

**return customerUsername;**

**}**

**public void setCustomerUsername(String customerUsername) {**

**this.customerUsername = customerUsername;**

**}**

**public List<OrderItem> getOrderItems() {**

**return orderItems;**

**}**

**public void setOrderItems(List<OrderItem> orderItems) {**

**this.orderItems = orderItems;**

**}**

**@Override**

**public int hashCode() {**

**final int prime = 31;**

**int result = 1;**

**result = prime \* result + ((customerUsername == null) ? 0 : customerUsername.hashCode());**

**result = prime \* result + ((id == null) ? 0 : id.hashCode());**

**return result;**

**}**

**@Override**

**public boolean equals(Object obj) {**

**if (this == obj)**

**return true;**

**if (obj == null)**

**return false;**

**if (getClass() != obj.getClass())**

**return false;**

**CustomerCart other = (CustomerCart) obj;**

**if (customerUsername == null) {**

**if (other.customerUsername != null)**

**return false;**

**} else if (!customerUsername.equals(other.customerUsername))**

**return false;**

**if (id == null) {**

**if (other.id != null)**

**return false;**

**} else if (!id.equals(other.id))**

**return false;**

**return true;**

**}**

**@Override**

**public String toString() {**

**return "CustomerCart [id=" + id + ", customerUsername=" + customerUsername + ", orderItems=" + orderItems + "]";**

**}**

**}**

## Class OrderItem Source Code

**package com.binu.sportyshoes.dto;**

**import javax.persistence.Entity;**

**import javax.persistence.GeneratedValue;**

**import javax.persistence.GenerationType;**

**import javax.persistence.Id;**

**@Entity**

**public class OrderItem {**

**@Id**

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

**private Integer id;**

**private Integer shoeId;**

**private String shoeName;**

**private Integer purchaseQuantity;**

**private String imageUrl;**

**private double price;**

**public OrderItem() {**

**}**

**public OrderItem(Integer id, Integer shoeId, String shoeName, Integer purchaseQuantity, String imageUrl,**

**double price) {**

**this.id = id;**

**this.shoeId = shoeId;**

**this.shoeName = shoeName;**

**this.purchaseQuantity = purchaseQuantity;**

**this.imageUrl = imageUrl;**

**this.price = price;**

**}**

**public OrderItem(Integer shoeId, String shoeName, Integer purchaseQuantity, String imageUrl, double price) {**

**super();**

**this.shoeId = shoeId;**

**this.shoeName = shoeName;**

**this.purchaseQuantity = purchaseQuantity;**

**this.imageUrl = imageUrl;**

**this.price = price;**

**}**

**public Integer getId() {**

**return id;**

**}**

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

**this.id = id;**

**}**

**public Integer getShoeId() {**

**return shoeId;**

**}**

**public void setShoeId(Integer shoeId) {**

**this.shoeId = shoeId;**

**}**

**public String getShoeName() {**

**return shoeName;**

**}**

**public void setShoeName(String shoeName) {**

**this.shoeName = shoeName;**

**}**

**public Integer getPurchaseQuantity() {**

**return purchaseQuantity;**

**}**

**public void setPurchaseQuantity(Integer purchaseQuantity) {**

**this.purchaseQuantity = purchaseQuantity;**

**}**

**public String getImageUrl() {**

**return imageUrl;**

**}**

**public void setImageUrl(String imageUrl) {**

**this.imageUrl = imageUrl;**

**}**

**public double getPrice() {**

**return price;**

**}**

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

**this.price = price;**

**}**

**@Override**

**public int hashCode() {**

**final int prime = 31;**

**int result = 1;**

**result = prime \* result + ((id == null) ? 0 : id.hashCode());**

**result = prime \* result + ((shoeId == null) ? 0 : shoeId.hashCode());**

**return result;**

**}**

**@Override**

**public boolean equals(Object obj) {**

**if (this == obj)**

**return true;**

**if (obj == null)**

**return false;**

**if (getClass() != obj.getClass())**

**return false;**

**OrderItem other = (OrderItem) obj;**

**if (id == null) {**

**if (other.id != null)**

**return false;**

**} else if (!id.equals(other.id))**

**return false;**

**if (shoeId == null) {**

**if (other.shoeId != null)**

**return false;**

**} else if (!shoeId.equals(other.shoeId))**

**return false;**

**return true;**

**}**

**@Override**

**public String toString() {**

**return "OrderItem [id=" + id + ", shoeId=" + shoeId + ", shoeName=" + shoeName + ", purchaseQuantity="**

**+ purchaseQuantity + ", imageUrl=" + imageUrl + ", price=" + price + "]";**

**}**

**}**

## Class PaymentDetail Source Code

**package com.binu.sportyshoes.dto;**

**import javax.persistence.Entity;**

**import javax.persistence.GeneratedValue;**

**import javax.persistence.GenerationType;**

**import javax.persistence.Id;**

**import javax.persistence.OneToOne;**

**@Entity**

**public class PaymentDetail {**

**@Id**

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

**private Integer id;**

**private String payerFirstName;**

**private String payerLastName;**

**@OneToOne**

**private Address billingAddress;**

**private String billingPhoneNo;**

**private String paymentType; // 1=Credit Card, 2=Debit Card**

**private String cardNo;**

**private String cardExpirationMonth;**

**private String cardExpirationYear;**

**private String cardCvvCode;**

**public PaymentDetail() {**

**}**

**public PaymentDetail(Integer id, String payerFirstName, String payerLastName, Address billingAddress,**

**String billingPhoneNo, String paymentType, String cardNo, String cardExpirationMonth,**

**String cardExpirationYear, String cardCvvCode) {**

**this.id = id;**

**this.payerFirstName = payerFirstName;**

**this.payerLastName = payerLastName;**

**this.billingAddress = billingAddress;**

**this.billingPhoneNo = billingPhoneNo;**

**this.paymentType = paymentType;**

**this.cardNo = cardNo;**

**this.cardExpirationMonth = cardExpirationMonth;**

**this.cardExpirationYear = cardExpirationYear;**

**this.cardCvvCode = cardCvvCode;**

**}**

**public PaymentDetail(String payerFirstName, String payerLastName, Address billingAddress, String billingPhoneNo,**

**String paymentType, String cardNo, String cardExpirationMonth, String cardExpirationYear,**

**String cardCvvCode) {**

**this.payerFirstName = payerFirstName;**

**this.payerLastName = payerLastName;**

**this.billingAddress = billingAddress;**

**this.billingPhoneNo = billingPhoneNo;**

**this.paymentType = paymentType;**

**this.cardNo = cardNo;**

**this.cardExpirationMonth = cardExpirationMonth;**

**this.cardExpirationYear = cardExpirationYear;**

**this.cardCvvCode = cardCvvCode;**

**}**

**public Integer getId() {**

**return id;**

**}**

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

**this.id = id;**

**}**

**public String getPayerFirstName() {**

**return payerFirstName;**

**}**

**public void setPayerFirstName(String payerFirstName) {**

**this.payerFirstName = payerFirstName;**

**}**

**public String getPayerLastName() {**

**return payerLastName;**

**}**

**public void setPayerLastName(String payerLastName) {**

**this.payerLastName = payerLastName;**

**}**

**public Address getBillingAddress() {**

**return billingAddress;**

**}**

**public void setBillingAddress(Address billingAddress) {**

**this.billingAddress = billingAddress;**

**}**

**public String getBillingPhoneNo() {**

**return billingPhoneNo;**

**}**

**public void setBillingPhoneNo(String billingPhoneNo) {**

**this.billingPhoneNo = billingPhoneNo;**

**}**

**public String getPaymentType() {**

**return paymentType;**

**}**

**public void setPaymentType(String paymentType) {**

**this.paymentType = paymentType;**

**}**

**public String getCardNo() {**

**return cardNo;**

**}**

**public void setCardNo(String cardNo) {**

**this.cardNo = cardNo;**

**}**

**public String getCardExpirationMonth() {**

**return cardExpirationMonth;**

**}**

**public void setCardExpirationMonth(String cardExpirationMonth) {**

**this.cardExpirationMonth = cardExpirationMonth;**

**}**

**public String getCardExpirationYear() {**

**return cardExpirationYear;**

**}**

**public void setCardExpirationYear(String cardExpirationYear) {**

**this.cardExpirationYear = cardExpirationYear;**

**}**

**public String getCardCvvCode() {**

**return cardCvvCode;**

**}**

**public void setCardCvvCode(String cardCvvCode) {**

**this.cardCvvCode = cardCvvCode;**

**}**

**@Override**

**public int hashCode() {**

**final int prime = 31;**

**int result = 1;**

**result = prime \* result + ((id == null) ? 0 : id.hashCode());**

**return result;**

**}**

**@Override**

**public boolean equals(Object obj) {**

**if (this == obj)**

**return true;**

**if (obj == null)**

**return false;**

**if (getClass() != obj.getClass())**

**return false;**

**PaymentDetail other = (PaymentDetail) obj;**

**if (id == null) {**

**if (other.id != null)**

**return false;**

**} else if (!id.equals(other.id))**

**return false;**

**return true;**

**}**

**@Override**

**public String toString() {**

**return "PaymentDetail [id=" + id + ", payerFirstName=" + payerFirstName + ", payerLastName=" + payerLastName**

**+ ", billingAddress=" + billingAddress + ", billingPhoneNo=" + billingPhoneNo + ", paymentType="**

**+ paymentType + ", cardNo=" + cardNo + ", cardExpirationMonth=" + cardExpirationMonth**

**+ ", cardExpirationYear=" + cardExpirationYear + ", cardCvvCode=" + cardCvvCode + "]";**

**}**

**}**

## Class SearchShoeOrderItem Source Code

**package** com.binu.sportyshoes.dto;

**import** java.sql.Date;

**public** **class** SearchShoeOrderItem {

**private** Integer shoeOrderId;

**private** String userName;

**private** Date dateOfOrder;

**private** String orderType;

/\*

private Integer orderItemId;

private Integer shoeId;

private String shoeName;

private Integer purchaseQuantity;

private String imageUrl;

private double price;

\*/

**private** String shippingCarrier;

**private** String shippingChoice;

**private** **boolean** shipped;

**private** Date shippedDate;

**public** SearchShoeOrderItem() {

}

**public** Integer getShoeOrderId() {

**return** shoeOrderId;

}

**public** **void** setShoeOrderId(Integer shoeOrderId) {

**this**.shoeOrderId = shoeOrderId;

}

**public** String getUserName() {

**return** userName;

}

**public** **void** setUserName(String userName) {

**this**.userName = userName;

}

**public** Date getDateOfOrder() {

**return** dateOfOrder;

}

**public** **void** setDateOfOrder(Date dateOfOrder) {

**this**.dateOfOrder = dateOfOrder;

}

**public** String getOrderType() {

**return** orderType;

}

**public** **void** setOrderType(String orderType) {

**this**.orderType = orderType;

}

**public** String getShippingCarrier() {

**return** shippingCarrier;

}

**public** **void** setShippingCarrier(String shippingCarrier) {

**this**.shippingCarrier = shippingCarrier;

}

**public** String getShippingChoice() {

**return** shippingChoice;

}

**public** **void** setShippingChoice(String shippingChoice) {

**this**.shippingChoice = shippingChoice;

}

**public** **boolean** isShipped() {

**return** shipped;

}

**public** **void** setShipped(**boolean** shipped) {

**this**.shipped = shipped;

}

**public** Date getShippedDate() {

**return** shippedDate;

}

**public** **void** setShippedDate(Date shippedDate) {

**this**.shippedDate = shippedDate;

}

@Override

**public** String toString() {

**return** "SearchShoeOrderItem [shoeOrderId=" + shoeOrderId + ", userName=" + userName + ", dateOfOrder="

+ dateOfOrder + ", orderType=" + orderType + ", shippingCarrier=" + shippingCarrier

+ ", shippingChoice=" + shippingChoice + ", shipped=" + shipped + ", shippedDate=" + shippedDate + "]";

}

}

## Class ShoeOrdersChoice Source Code

**package** com.binu.sportyshoes.dto;

**public** **class** SearchShoeOrdersChoice {

**private** String dateOfOrderType;

**private** String categoryOrderType;

**public** SearchShoeOrdersChoice() {

}

**public** String getDateOfOrderType() {

**return** dateOfOrderType;

}

**public** **void** setDateOfOrderType(String dateOfOrderType) {

**this**.dateOfOrderType = dateOfOrderType;

}

**public** String getCategoryOrderType() {

**return** categoryOrderType;

}

**public** **void** setCategoryOrderType(String categoryOrderType) {

**this**.categoryOrderType = categoryOrderType;

}

@Override

**public** String toString() {

**return** "SearchShoeOrdersChoice [dateOfOrderType=" + dateOfOrderType + ", categoryOrderType=" + categoryOrderType

+ "]";

}

}

## Class SearchUserChoice Source Code

**package** com.binu.sportyshoes.dto;

**public** **class** SearchUserChoice {

**private** String genderType;

**private** String ageType;

**public** SearchUserChoice() {

}

**public** SearchUserChoice(String genderType, String ageType) {

**this**.genderType = genderType;

**this**.ageType = ageType;

}

**public** String getGenderType() {

**return** genderType;

}

**public** **void** setGenderType(String genderType) {

**this**.genderType = genderType;

}

**public** String getAgeType() {

**return** ageType;

}

**public** **void** setAgeType(String ageType) {

**this**.ageType = ageType;

}

@Override

**public** String toString() {

**return** "SearchUserChoice [genderType=" + genderType + ", ageType=" + ageType + "]";

}

}

## Class Shipping Source Code

**package com.binu.sportyshoes.dto;**

**import javax.persistence.Entity;**

**import javax.persistence.Id;**

**@Entity**

**public class Shipping {**

**@Id**

**private String shippingCarrier;**

**private String shippingType;**

**private double costPerItem;**

**public Shipping() {**

**}**

**public Shipping(String shippingCarrier, String shippingType, double costPerItem) {**

**this.shippingCarrier = shippingCarrier;**

**this.shippingType = shippingType;**

**this.costPerItem = costPerItem;**

**}**

**public String getShippingCarrier() {**

**return shippingCarrier;**

**}**

**public void setShippingCarrier(String shippingCarrier) {**

**this.shippingCarrier = shippingCarrier;**

**}**

**public String getShippingType() {**

**return shippingType;**

**}**

**public void setShippingType(String shippingType) {**

**this.shippingType = shippingType;**

**}**

**public double getCostPerItem() {**

**return costPerItem;**

**}**

**public void setCostPerItem(double costPerItem) {**

**this.costPerItem = costPerItem;**

**}**

**@Override**

**public int hashCode() {**

**final int prime = 31;**

**int result = 1;**

**result = prime \* result + ((shippingCarrier == null) ? 0 : shippingCarrier.hashCode());**

**return result;**

**}**

**@Override**

**public boolean equals(Object obj) {**

**if (this == obj)**

**return true;**

**if (obj == null)**

**return false;**

**if (getClass() != obj.getClass())**

**return false;**

**Shipping other = (Shipping) obj;**

**if (shippingCarrier == null) {**

**if (other.shippingCarrier != null)**

**return false;**

**} else if (!shippingCarrier.equals(other.shippingCarrier))**

**return false;**

**return true;**

**}**

**@Override**

**public String toString() {**

**return "Shipping [shippingCarrier=" + shippingCarrier + ", shippingType=" + shippingType + ", costPerItem="**

**+ costPerItem + "]";**

**}**

**}**

## Class ShippingChoice Source Code

**package** com.binu.sportyshoes.dto;

**public** **class** ShippingChoice {

**private** String shippingCarrier;

**private** String shippingType;

**public** ShippingChoice() {

}

**public** ShippingChoice(String shippingCarrier, String shippingType) {

**this**.shippingCarrier = shippingCarrier;

**this**.shippingType = shippingType;

}

**public** String getShippingCarrier() {

**return** shippingCarrier;

}

**public** **void** setShippingCarrier(String shippingCarrier) {

**this**.shippingCarrier = shippingCarrier;

}

**public** String getShippingType() {

**return** shippingType;

}

**public** **void** setShippingType(String shippingType) {

**this**.shippingType = shippingType;

}

@Override

**public** String toString() {

**return** "ShippingChoice [shippingCarrier=" + shippingCarrier + ", shippingType=" + shippingType + "]";

}

}

## Class Shoe Source Code

**package com.binu.sportyshoes.dto;**

**import javax.persistence.Entity;**

**import javax.persistence.GeneratedValue;**

**import javax.persistence.GenerationType;**

**import javax.persistence.Id;**

**@Entity**

**public class Shoe {**

**@Id**

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

**private Integer id;**

**private String stockId;**

**private String shoeName;**

**private String shoeType;**

**private String brand;**

**private String color;**

**private int quantityOnHand;**

**private String gender;**

**private String size;**

**private double inventoryCost;**

**private double marketPrice;**

**private String countryOfManufacture;**

**private String imageUrl;**

**public Shoe() {**

**}**

**public Shoe(Integer id, String stockId, String shoeName, String shoeType, String brand, String color,**

**int quantityOnHand, String gender, String size, double inventoryCost, double marketPrice,**

**String countryOfManufacture, String imageUrl) {**

**this.id = id;**

**this.stockId = stockId;**

**this.shoeName = shoeName;**

**this.shoeType = shoeType;**

**this.brand = brand;**

**this.color = color;**

**this.quantityOnHand = quantityOnHand;**

**this.gender = gender;**

**this.size = size;**

**this.inventoryCost = inventoryCost;**

**this.marketPrice = marketPrice;**

**this.countryOfManufacture = countryOfManufacture;**

**this.imageUrl = imageUrl;**

**}**

**public Shoe(String stockId, String shoeName, String shoeType, String brand, String color, int quantityOnHand,**

**String gender, String size, double inventoryCost, double marketPrice, String countryOfManufacture,**

**String imageUrl) {**

**this.stockId = stockId;**

**this.shoeName = shoeName;**

**this.shoeType = shoeType;**

**this.brand = brand;**

**this.color = color;**

**this.quantityOnHand = quantityOnHand;**

**this.gender = gender;**

**this.size = size;**

**this.inventoryCost = inventoryCost;**

**this.marketPrice = marketPrice;**

**this.countryOfManufacture = countryOfManufacture;**

**this.imageUrl = imageUrl;**

**}**

**public Integer getId() {**

**return id;**

**}**

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

**this.id = id;**

**}**

**public String getStockId() {**

**return stockId;**

**}**

**public void setStockId(String stockId) {**

**this.stockId = stockId;**

**}**

**public String getShoeName() {**

**return shoeName;**

**}**

**public void setShoeName(String shoeName) {**

**this.shoeName = shoeName;**

**}**

**public String getShoeType() {**

**return shoeType;**

**}**

**public void setShoeType(String shoeType) {**

**this.shoeType = shoeType;**

**}**

**public String getBrand() {**

**return brand;**

**}**

**public void setBrand(String brand) {**

**this.brand = brand;**

**}**

**public String getColor() {**

**return color;**

**}**

**public void setColor(String color) {**

**this.color = color;**

**}**

**public int getQuantityOnHand() {**

**return quantityOnHand;**

**}**

**public void setQuantityOnHand(int quantityOnHand) {**

**this.quantityOnHand = quantityOnHand;**

**}**

**public String getGender() {**

**return gender;**

**}**

**public void setGender(String gender) {**

**this.gender = gender;**

**}**

**public String getSize() {**

**return size;**

**}**

**public void setSize(String size) {**

**this.size = size;**

**}**

**public double getInventoryCost() {**

**return inventoryCost;**

**}**

**public void setInventoryCost(double inventoryCost) {**

**this.inventoryCost = inventoryCost;**

**}**

**public double getMarketPrice() {**

**return marketPrice;**

**}**

**public void setMarketPrice(double marketPrice) {**

**this.marketPrice = marketPrice;**

**}**

**public String getCountryOfManufacture() {**

**return countryOfManufacture;**

**}**

**public void setCountryOfManufacture(String countryOfManufacture) {**

**this.countryOfManufacture = countryOfManufacture;**

**}**

**public String getImageUrl() {**

**return imageUrl;**

**}**

**public void setImageUrl(String imageUrl) {**

**this.imageUrl = imageUrl;**

**}**

**@Override**

**public int hashCode() {**

**final int prime = 31;**

**int result = 1;**

**result = prime \* result + ((gender == null) ? 0 : gender.hashCode());**

**result = prime \* result + ((shoeName == null) ? 0 : shoeName.hashCode());**

**result = prime \* result + ((size == null) ? 0 : size.hashCode());**

**result = prime \* result + ((stockId == null) ? 0 : stockId.hashCode());**

**return result;**

**}**

**@Override**

**public boolean equals(Object obj) {**

**if (this == obj)**

**return true;**

**if (obj == null)**

**return false;**

**if (getClass() != obj.getClass())**

**return false;**

**Shoe other = (Shoe) obj;**

**if (gender == null) {**

**if (other.gender != null)**

**return false;**

**} else if (!gender.equals(other.gender))**

**return false;**

**if (shoeName == null) {**

**if (other.shoeName != null)**

**return false;**

**} else if (!shoeName.equals(other.shoeName))**

**return false;**

**if (size == null) {**

**if (other.size != null)**

**return false;**

**} else if (!size.equals(other.size))**

**return false;**

**if (stockId == null) {**

**if (other.stockId != null)**

**return false;**

**} else if (!stockId.equals(other.stockId))**

**return false;**

**return true;**

**}**

**@Override**

**public String toString() {**

**return "Shoe [id=" + id + ", stockId=" + stockId + ", shoeName=" + shoeName + ", shoeType=" + shoeType**

**+ ", brand=" + brand + ", color=" + color + ", quantityOnHand=" + quantityOnHand + ", gender=" + gender**

**+ ", size=" + size + ", inventoryCost=" + inventoryCost + ", marketPrice=" + marketPrice**

**+ ", countryOfManufacture=" + countryOfManufacture + ", imageUrl=" + imageUrl + "]";**

**}**

**}**

## Class ShoeOrder Source Code

**package com.binu.sportyshoes.dto;**

**import java.sql.Date;**

**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.OneToMany;**

**import javax.persistence.OneToOne;**

**import org.hibernate.annotations.CreationTimestamp;**

**import org.springframework.data.annotation.LastModifiedDate;**

**@Entity**

**public class ShoeOrder {**

**@Id**

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

**private Integer id;**

**private String userName;**

**private Date dateOfOrder;**

**@OneToMany**

**private List<OrderItem> orderItems;**

**private String orderType; // 'Sneaker', 'Boot', 'Shoe', or 'Multitype'**

**private String shippingCarrier;**

**private String shippingChoice;**

**private double orderBeforeTaxCost;**

**private double orderTax;**

**private double orderShippingCost;**

**private double orderGrandTotal;**

**private boolean shipped;**

**private Date shippedDate;**

**@OneToOne**

**private PaymentDetail paymentDetail;**

**@CreationTimestamp**

**@Column(name = "created\_at", nullable = false, updatable = false)**

**private Date creationDate;**

**@LastModifiedDate**

**@Column(name = "last\_updated\_at", updatable = true)**

**private Date lastUpdateDate;**

**public ShoeOrder() {**

**}**

**public ShoeOrder(Integer id, String userName, Date dateOfOrder, List<OrderItem> orderItems, String orderType,**

**String shippingCarrier, String shippingChoice, double orderBeforeTaxCost, double orderTax,**

**double orderShippingCost, double orderGrandTotal, boolean shipped, Date shippedDate,**

**PaymentDetail paymentDetail, Date creationDate, Date lastUpdateDate) {**

**this.id = id;**

**this.userName = userName;**

**this.dateOfOrder = dateOfOrder;**

**this.orderItems = orderItems;**

**this.orderType = orderType;**

**this.shippingCarrier = shippingCarrier;**

**this.shippingChoice = shippingChoice;**

**this.orderBeforeTaxCost = orderBeforeTaxCost;**

**this.orderTax = orderTax;**

**this.orderShippingCost = orderShippingCost;**

**this.orderGrandTotal = orderGrandTotal;**

**this.shipped = shipped;**

**this.shippedDate = shippedDate;**

**this.paymentDetail = paymentDetail;**

**this.creationDate = creationDate;**

**this.lastUpdateDate = lastUpdateDate;**

**}**

**public ShoeOrder(String userName, Date dateOfOrder, List<OrderItem> orderItems, String orderType,**

**String shippingCarrier, String shippingChoice, double orderBeforeTaxCost, double orderTax,**

**double orderShippingCost, double orderGrandTotal, boolean shipped, Date shippedDate,**

**PaymentDetail paymentDetail, Date creationDate, Date lastUpdateDate) {**

**this.userName = userName;**

**this.dateOfOrder = dateOfOrder;**

**this.orderItems = orderItems;**

**this.orderType = orderType;**

**this.shippingCarrier = shippingCarrier;**

**this.shippingChoice = shippingChoice;**

**this.orderBeforeTaxCost = orderBeforeTaxCost;**

**this.orderTax = orderTax;**

**this.orderShippingCost = orderShippingCost;**

**this.orderGrandTotal = orderGrandTotal;**

**this.shipped = shipped;**

**this.shippedDate = shippedDate;**

**this.paymentDetail = paymentDetail;**

**this.creationDate = creationDate;**

**this.lastUpdateDate = lastUpdateDate;**

**}**

**public Integer getId() {**

**return id;**

**}**

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

**this.id = id;**

**}**

**public String getUserName() {**

**return userName;**

**}**

**public void setUserName(String userName) {**

**this.userName = userName;**

**}**

**public Date getDateOfOrder() {**

**return dateOfOrder;**

**}**

**public void setDateOfOrder(Date dateOfOrder) {**

**this.dateOfOrder = dateOfOrder;**

**}**

**public List<OrderItem> getOrderItems() {**

**return orderItems;**

**}**

**public void setOrderItems(List<OrderItem> orderItems) {**

**this.orderItems = orderItems;**

**}**

**public String getOrderType() {**

**return orderType;**

**}**

**public void setOrderType(String orderType) {**

**this.orderType = orderType;**

**}**

**public String getShippingCarrier() {**

**return shippingCarrier;**

**}**

**public void setShippingCarrier(String shippingCarrier) {**

**this.shippingCarrier = shippingCarrier;**

**}**

**public String getShippingChoice() {**

**return shippingChoice;**

**}**

**public void setShippingChoice(String shippingChoice) {**

**this.shippingChoice = shippingChoice;**

**}**

**public double getOrderBeforeTaxCost() {**

**return orderBeforeTaxCost;**

**}**

**public void setOrderBeforeTaxCost(double orderBeforeTaxCost) {**

**this.orderBeforeTaxCost = orderBeforeTaxCost;**

**}**

**public double getOrderTax() {**

**return orderTax;**

**}**

**public void setOrderTax(double orderTax) {**

**this.orderTax = orderTax;**

**}**

**public double getOrderShippingCost() {**

**return orderShippingCost;**

**}**

**public void setOrderShippingCost(double orderShippingCost) {**

**this.orderShippingCost = orderShippingCost;**

**}**

**public double getOrderGrandTotal() {**

**return orderGrandTotal;**

**}**

**public void setOrderGrandTotal(double orderGrandTotal) {**

**this.orderGrandTotal = orderGrandTotal;**

**}**

**public boolean isShipped() {**

**return shipped;**

**}**

**public void setShipped(boolean shipped) {**

**this.shipped = shipped;**

**}**

**public Date getShippedDate() {**

**return shippedDate;**

**}**

**public void setShippedDate(Date shippedDate) {**

**this.shippedDate = shippedDate;**

**}**

**public PaymentDetail getPaymentDetail() {**

**return paymentDetail;**

**}**

**public void setPaymentDetail(PaymentDetail paymentDetail) {**

**this.paymentDetail = paymentDetail;**

**}**

**public Date getCreationDate() {**

**return creationDate;**

**}**

**public void setCreationDate(Date creationDate) {**

**this.creationDate = creationDate;**

**}**

**public Date getLastUpdateDate() {**

**return lastUpdateDate;**

**}**

**public void setLastUpdateDate(Date lastUpdateDate) {**

**this.lastUpdateDate = lastUpdateDate;**

**}**

**@Override**

**public int hashCode() {**

**final int prime = 31;**

**int result = 1;**

**result = prime \* result + ((id == null) ? 0 : id.hashCode());**

**return result;**

**}**

**@Override**

**public boolean equals(Object obj) {**

**if (this == obj)**

**return true;**

**if (obj == null)**

**return false;**

**if (getClass() != obj.getClass())**

**return false;**

**ShoeOrder other = (ShoeOrder) obj;**

**if (id == null) {**

**if (other.id != null)**

**return false;**

**} else if (!id.equals(other.id))**

**return false;**

**return true;**

**}**

**@Override**

**public String toString() {**

**return "ShoeOrder [id=" + id + ", userName=" + userName + ", dateOfOrder=" + dateOfOrder + ", orderItems="**

**+ orderItems + ", orderType=" + orderType + ", shippingCarrier=" + shippingCarrier + ", shippingChoice="**

**+ shippingChoice + ", orderBeforeTaxCost=" + orderBeforeTaxCost + ", orderTax=" + orderTax**

**+ ", orderShippingCost=" + orderShippingCost + ", orderGrandTotal=" + orderGrandTotal + ", shipped="**

**+ shipped + ", shippedDate=" + shippedDate + ", paymentDetail=" + paymentDetail + ", creationDate="**

**+ creationDate + ", lastUpdateDate=" + lastUpdateDate + "]";**

**}**

**}**

## Class User Source Code

**package com.binu.sportyshoes.dto;**

**import java.sql.Date;**

**import javax.persistence.Column;**

**import javax.persistence.Entity;**

**import javax.persistence.Id;**

**import javax.persistence.OneToOne;**

**import org.hibernate.annotations.CreationTimestamp;**

**import org.springframework.data.annotation.LastModifiedDate;**

**@Entity**

**public class User {**

**@Id**

**private String userName;**

**private String password;**

**private String email;**

**private String gender;**

**private int age;**

**private String firstName;**

**private String lastName;**

**@OneToOne**

**private Address homeAddress;**

**private String homePhoneNo;**

**private String cellPhoneNo;**

**@CreationTimestamp**

**@Column(name = "created\_at", nullable = false, updatable = false)**

**private Date creationDate;**

**@LastModifiedDate**

**@Column(name = "last\_updated\_at")**

**private Date lastUpdateDate;**

**public User() {**

**}**

**public User(String userName, String password, String email, String gender, int age, String firstName,**

**String lastName, Address homeAddress, String homePhoneNo, String cellPhoneNo, Date creationDate,**

**Date lastUpdateDate) {**

**this.userName = userName;**

**this.password = password;**

**this.email = email;**

**this.gender = gender;**

**this.age = age;**

**this.firstName = firstName;**

**this.lastName = lastName;**

**this.homeAddress = homeAddress;**

**this.homePhoneNo = homePhoneNo;**

**this.cellPhoneNo = cellPhoneNo;**

**this.creationDate = creationDate;**

**this.lastUpdateDate = lastUpdateDate;**

**}**

**public User(String password, String email, String gender, int age, String firstName, String lastName,**

**Address homeAddress, String homePhoneNo, String cellPhoneNo, Date creationDate, Date lastUpdateDate) {**

**this.password = password;**

**this.email = email;**

**this.gender = gender;**

**this.age = age;**

**this.firstName = firstName;**

**this.lastName = lastName;**

**this.homeAddress = homeAddress;**

**this.homePhoneNo = homePhoneNo;**

**this.cellPhoneNo = cellPhoneNo;**

**this.creationDate = creationDate;**

**this.lastUpdateDate = lastUpdateDate;**

**}**

**public String getUserName() {**

**return userName;**

**}**

**public void setUserName(String userName) {**

**this.userName = userName;**

**}**

**public String getPassword() {**

**return password;**

**}**

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

**this.password = password;**

**}**

**public String getEmail() {**

**return email;**

**}**

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

**this.email = email;**

**}**

**public String getGender() {**

**return gender;**

**}**

**public void setGender(String gender) {**

**this.gender = gender;**

**}**

**public int getAge() {**

**return age;**

**}**

**public void setAge(int age) {**

**this.age = age;**

**}**

**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 Address getHomeAddress() {**

**return homeAddress;**

**}**

**public void setHomeAddress(Address homeAddress) {**

**this.homeAddress = homeAddress;**

**}**

**public String getHomePhoneNo() {**

**return homePhoneNo;**

**}**

**public void setHomePhoneNo(String homePhoneNo) {**

**this.homePhoneNo = homePhoneNo;**

**}**

**public String getCellPhoneNo() {**

**return cellPhoneNo;**

**}**

**public void setCellPhoneNo(String cellPhoneNo) {**

**this.cellPhoneNo = cellPhoneNo;**

**}**

**public Date getCreationDate() {**

**return creationDate;**

**}**

**public void setCreationDate(Date creationDate) {**

**this.creationDate = creationDate;**

**}**

**public Date getLastUpdateDate() {**

**return lastUpdateDate;**

**}**

**public void setLastUpdateDate(Date lastUpdateDate) {**

**this.lastUpdateDate = lastUpdateDate;**

**}**

**@Override**

**public int hashCode() {**

**final int prime = 31;**

**int result = 1;**

**result = prime \* result + ((userName == null) ? 0 : userName.hashCode());**

**return result;**

**}**

**@Override**

**public boolean equals(Object obj) {**

**if (this == obj)**

**return true;**

**if (obj == null)**

**return false;**

**if (getClass() != obj.getClass())**

**return false;**

**User other = (User) obj;**

**if (userName == null) {**

**if (other.userName != null)**

**return false;**

**} else if (!userName.equals(other.userName))**

**return false;**

**return true;**

**}**

**@Override**

**public String toString() {**

**return "User [userName=" + userName + ", password=" + password + ", email=" + email + ", gender=" + gender**

**+ ", age=" + age + ", firstName=" + firstName + ", lastName=" + lastName + ", homeAddress="**

**+ homeAddress + ", homePhoneNo=" + homePhoneNo + ", cellPhoneNo=" + cellPhoneNo + ", creationDate="**

**+ creationDate + ", lastUpdateDate=" + lastUpdateDate + "]";**

**}**

**}**

## Class AddressRespository Source Code

**package com.binu.sportyshoes.repository;**

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

**import org.springframework.stereotype.Repository;**

**import com.binu.sportyshoes.dto.Address;**

**@Repository**

**public interface AddressRepository extends JpaRepository<Address, Integer> {**

**}**

## Class AdminRepository Source Code

**package com.binu.sportyshoes.repository;**

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

**import org.springframework.stereotype.Repository;**

**import com.binu.sportyshoes.dto.Admin;**

**@Repository**

**public interface AdminRepository extends JpaRepository<Admin, String> {**

**}**

## Class CustomerCartRepository Source Code

**package com.binu.sportyshoes.repository;**

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

**import org.springframework.stereotype.Repository;**

**import com.binu.sportyshoes.dto.CustomerCart;**

**@Repository**

**public interface CustomerCartRepository extends JpaRepository<CustomerCart, Integer> {**

**}**

## Class OrderItemRepository Source Code

**package com.binu.sportyshoes.repository;**

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

**import org.springframework.stereotype.Repository;**

**import com.binu.sportyshoes.dto.OrderItem;**

**@Repository**

**public interface OrderItemRepository extends JpaRepository<OrderItem, Integer>{**

**}**

## Class PaymentDetailRepository Source Code

**package com.binu.sportyshoes.repository;**

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

**import org.springframework.stereotype.Repository;**

**import com.binu.sportyshoes.dto.PaymentDetail;**

**@Repository**

**public interface PaymentDetailRepository extends JpaRepository<PaymentDetail, Integer>{**

**}**

## Class ShippingRepository Source Code

**package com.binu.sportyshoes.repository;**

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

**import org.springframework.stereotype.Repository;**

**import com.binu.sportyshoes.dto.Shipping;**

**@Repository**

**public interface ShippingRepository extends JpaRepository<Shipping, String> {**

**}**

## Class ShoeOrderRepository Source Code

**package com.binu.sportyshoes.repository;**

**import java.sql.Date;**

**import java.util.List;**

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

**import org.springframework.stereotype.Repository;**

**import com.binu.sportyshoes.dto.ShoeOrder;**

**@Repository**

**public interface ShoeOrderRepository extends JpaRepository<ShoeOrder, Integer>{**

**List<ShoeOrder> findByOrderType(String orderType);**

**List<ShoeOrder> findByDateOfOrder(Date orderDate);**

**List<ShoeOrder> findByDateOfOrderAndOrderType(Date orderDate, String orderType);**

**}**

## Class ShoeRepository Source Code

**package com.binu.sportyshoes.repository;**

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

**import org.springframework.stereotype.Repository;**

**import com.binu.sportyshoes.dto.Shoe;**

**@Repository**

**public interface ShoeRepository extends JpaRepository<Shoe, Integer> {**

**}**

## Class UserRepository Source Code

**package com.binu.sportyshoes.repository;**

**import java.util.List;**

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

**import org.springframework.stereotype.Repository;**

**import com.binu.sportyshoes.dto.User;**

**@Repository**

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

**List<User> findByAgeLessThanAndGender(Integer age, String gender); // Age < 20 AND gender**

**List<User> findByAgeLessThan(Integer age); // Age < 20 AND All genders**

**List<User> findByAgeBetweenAndGender(Integer age1, Integer age2, String gender); // Age "20-29", "30-39", "40-49", "50-59" AND gender**

**List<User> findByAgeBetween(Integer age1, Integer age2); // Age "20-29", "30-39", "40-49", "50-59" AND All genders**

**List<User> findByAgeGreaterThanAndGender(Integer age, String gender); // Age "> 59" AND gender**

**List<User> findByAgeGreaterThan(Integer age); // Age "> 59" AND all genders**

**List<User> findByGender(String gender);**

**}**

## Class AddressService Source Code

**package** com.binu.sportyshoes.service;

**import** com.binu.sportyshoes.dto.Address;

**public** **interface** AddressService {

Address addAddress(Address address);

Address getAddressById(**int** id);

}

## Class AddressServiceImpl Source Code

**package com.binu.sportyshoes.service;**

**import javax.transaction.Transactional;**

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

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

**import com.binu.sportyshoes.dto.Address;**

**import com.binu.sportyshoes.repository.AddressRepository;**

**@Service**

**public class AddressServiceImpl implements AddressService{**

**@Autowired**

**AddressRepository addressRepository;**

**@Transactional**

**@Override**

**public Address addAddress(Address address) {**

**Address savedAddress = addressRepository.save(address);**

**return savedAddress;**

**}**

**@Override**

**public Address getAddressById(int id) {**

**Address address = addressRepository.findById(id).get();**

**return address;**

**}**

**}**

## Class AdminLoginService Source Code

**package com.binu.sportyshoes.service;**

**import java.util.Optional;**

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

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

**import com.binu.sportyshoes.dto.Admin;**

**import com.binu.sportyshoes.repository.AdminRepository;**

**@Service**

**public class AdminLoginService {**

**@Autowired**

**AdminRepository adminRepository;**

**public boolean validateAdminUser(String username, String password) {**

**System.out.println("In AdminLoginService: validateAdminUser() username=" + username + " password=" + password);**

**boolean foundAdmin = false;**

**Optional<Admin> optional\_admin = adminRepository.findById(username);**

**System.out.println("In AdminLoginService: validateAdminUser() username=" + username + " password=" + password + " optional\_admin=" + optional\_admin);**

**if (optional\_admin.isPresent()) {**

**Admin admin = optional\_admin.get();**

**if (admin.getAdminUserName().equals(username) && admin.getAdminPassword().equals(password)) {**

**foundAdmin = true;**

**}**

**}**

**return foundAdmin;**

**}**

**}**

## Class AdminService Source Code

**package** com.binu.sportyshoes.service;

**import** com.binu.sportyshoes.dto.Admin;

**public** **interface** AdminService {

Admin updateAdminPassword(String adminUsername,String adminPassword);

}

## Class AdminServiceImpl Source Code

**package com.binu.sportyshoes.service;**

**import javax.transaction.Transactional;**

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

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

**import com.binu.sportyshoes.dto.Admin;**

**import com.binu.sportyshoes.repository.AdminRepository;**

**@Service**

**public class AdminServiceImpl implements AdminService {**

**@Autowired**

**AdminRepository adminRepository;**

**@Override**

**@Transactional**

**public Admin updateAdminPassword(String adminUsername, String adminPassword) {**

**Admin admin = adminRepository.findById(adminUsername).get();**

**if (admin != null) {**

**admin.setAdminPassword(adminPassword);**

**admin = adminRepository.save(admin);**

**}**

**return admin;**

**}**

**}**

## Class CustomerCartService Source Code

**package com.binu.sportyshoes.service;**

**import java.util.List;**

**import com.binu.sportyshoes.dto.CustomerCart;**

**import com.binu.sportyshoes.dto.OrderItem;**

**public interface CustomerCartService {**

**List<OrderItem> getAllOrderItems(Integer customerCartId);**

**CustomerCart addCart(CustomerCart cart);**

**CustomerCart addItemToCart(Integer customerCartId, OrderItem item);**

**CustomerCart deleteItemFromCart(Integer customerCartId, Integer orderItemId);**

**}**

## Class CustomerCartServiceImpl Source Code

package com.binu.sportyshoes.service;

import java.util.List;

import javax.transaction.Transactional;

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

import org.springframework.stereotype.Service;

import com.binu.sportyshoes.dto.CustomerCart;

import com.binu.sportyshoes.dto.OrderItem;

import com.binu.sportyshoes.dto.Shoe;

import com.binu.sportyshoes.repository.CustomerCartRepository;

import com.binu.sportyshoes.repository.OrderItemRepository;

import com.binu.sportyshoes.repository.ShoeRepository;

@Service

public class CustomerCartServiceImpl implements CustomerCartService {

@Autowired

CustomerCartRepository customerCartRepository;

@Autowired

OrderItemRepository orderItemRepository;

@Autowired

ShoeRepository shoeRepository;

@Override

public List<OrderItem> getAllOrderItems(Integer customerCartId) {

List<OrderItem> listOfAllOrderItems = customerCartRepository.findById(customerCartId).get().getOrderItems();

return listOfAllOrderItems;

}

@Transactional

@Override

public CustomerCart addCart(CustomerCart cart) {

CustomerCart saved\_cart = customerCartRepository.save(cart);

return saved\_cart;

}

@Transactional

@Override

public CustomerCart addItemToCart(Integer customerCartId, OrderItem item) {

System.out.println("In CustomerCartServiceImpl:1 addItemToCart() customerCartId=" + customerCartId + " item=" + item);

Shoe shoe = shoeRepository.findById(item.getShoeId()).get();

item.setShoeName(shoe.getShoeName());

item.setImageUrl(shoe.getImageUrl());

item.setPrice(shoe.getMarketPrice());

OrderItem itemCreated = orderItemRepository.save(item);

System.out.println("In CustomerCartServiceImpl:2 addItemToCart() itemCreated=" + itemCreated);

CustomerCart cart = customerCartRepository.findById(customerCartId).get();

System.out.println("In CustomerCartServiceImpl:3 addItemToCart() cart=" + cart);

cart.getOrderItems().add(itemCreated);

CustomerCart updatedCart = customerCartRepository.save(cart);

System.out.println("In CustomerCartServiceImpl:4 addItemToCart() updatedCart=" + updatedCart);

return updatedCart;

}

@Override

public CustomerCart deleteItemFromCart(Integer customerCartId, Integer orderItemId) {

System.out.println("In CustomerCartServiceImpl:1 deleteItemFromCart() customerCartId=" + customerCartId + " orderItemId=" + orderItemId);

//

OrderItem item = orderItemRepository.findById(orderItemId).get();

CustomerCart cart = customerCartRepository.findById(customerCartId).get();

System.out.println("In CustomerCartServiceImpl:3a deleteItemFromCart() before deleting cart=" + cart + " item=" + item);

// remove item from cart

boolean item\_deleted = cart.getOrderItems().remove(item);

System.out.println("In CustomerCartServiceImpl:3b deleteItemFromCart() item\_deleted=" + item\_deleted + " after deleting cart=" + cart);

// delete item from order item table

orderItemRepository.delete(item);

// save the updated cart

CustomerCart updatedCart = customerCartRepository.save(cart);

System.out.println("In CustomerCartServiceImpl:4 deleteItemFromCart() updatedCart=" + updatedCart);

return updatedCart;

}

}

## Class PaymentDetailService Source Code

**package com.binu.sportyshoes.service;**

**import java.util.List;**

**import com.binu.sportyshoes.dto.PaymentDetail;**

**public interface PaymentDetailService {**

**PaymentDetail getPaymentDetailById (int id);**

**List<PaymentDetail> listOfAllPaymentDetail();**

**PaymentDetail addPaymentDetail(PaymentDetail paymentDetail);**

**}**

## Class PaymentDetailServiceImpl Source Code

**package com.binu.sportyshoes.service;**

**import java.util.List;**

**import javax.transaction.Transactional;**

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

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

**import com.binu.sportyshoes.dto.PaymentDetail;**

**import com.binu.sportyshoes.repository.PaymentDetailRepository;**

**@Service**

**public class PaymentDetailServiceImpl implements PaymentDetailService {**

**@Autowired**

**PaymentDetailRepository paymentDetailRepository;**

**@Override**

**public PaymentDetail getPaymentDetailById(int id) {**

**PaymentDetail paymentDetail = paymentDetailRepository.findById(id).get();**

**return paymentDetail;**

**}**

**@Override**

**public List<PaymentDetail> listOfAllPaymentDetail() {**

**List<PaymentDetail> listOfAllPaymentDetail = paymentDetailRepository.findAll();**

**return listOfAllPaymentDetail;**

**}**

**@Transactional**

**@Override**

**public PaymentDetail addPaymentDetail(PaymentDetail paymentDetail) {**

**PaymentDetail savedPaymentDetail = paymentDetailRepository.save(paymentDetail);**

**return savedPaymentDetail;**

**}**

**}**

## Class ShippingService Source Code

**package com.binu.sportyshoes.service;**

**import java.util.List;**

**import com.binu.sportyshoes.dto.Shipping;**

**public interface ShippingService {**

**Shipping getShippingById(String shippingId);**

**List<Shipping> getAllShipping();**

**}**

## Class ShippingServiceImpl Source Code

**package com.binu.sportyshoes.service;**

**import java.util.List;**

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

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

**import com.binu.sportyshoes.dto.Shipping;**

**import com.binu.sportyshoes.repository.ShippingRepository;**

**@Service**

**public class ShippingServiceImpl implements ShippingService{**

**@Autowired**

**ShippingRepository shippingRepository;**

**@Override**

**public Shipping getShippingById(String shippingId) {**

**Shipping shipping = shippingRepository.findById(shippingId).get();**

**return shipping;**

**}**

**@Override**

**public List<Shipping> getAllShipping() {**

**List<Shipping> listOfShipping = shippingRepository.findAll();**

**return listOfShipping;**

**}**

**}**

## Class ShoeOrderService Source Code

**package com.binu.sportyshoes.service;**

**import java.sql.Date;**

**import java.util.List;**

**import com.binu.sportyshoes.dto.ShoeOrder;**

**public interface ShoeOrderService {**

**ShoeOrder getShoeOrderById(Integer id);**

**List<ShoeOrder> getAllShoeOrders();**

**ShoeOrder addShoeOrder(ShoeOrder shoeOrder);**

**List<ShoeOrder> findByOrderType(String orderType);**

**List<ShoeOrder> findByDateOfOrder(Date orderDate);**

**List<ShoeOrder> findByDateOfOrderAndOrderType(Date orderDate, String orderType);**

**}**

## Class ShoeOrderServiceImpl Source Code

**package com.binu.sportyshoes.service;**

**import java.sql.Date;**

**import java.util.List;**

**import javax.transaction.Transactional;**

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

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

**import com.binu.sportyshoes.dto.ShoeOrder;**

**import com.binu.sportyshoes.dto.User;**

**import com.binu.sportyshoes.repository.ShoeOrderRepository;**

**@Service**

**public class ShoeOrderServiceImpl implements ShoeOrderService {**

**@Autowired**

**ShoeOrderRepository shoeOrderRepository;**

**@Override**

**public ShoeOrder getShoeOrderById(Integer id) {**

**ShoeOrder shoeOrder = shoeOrderRepository.findById(id).get();**

**return shoeOrder;**

**}**

**@Override**

**public List<ShoeOrder> getAllShoeOrders() {**

**List<ShoeOrder> listOfAllShoeOrders = shoeOrderRepository.findAll();**

**return listOfAllShoeOrders;**

**}**

**@Transactional**

**@Override**

**public ShoeOrder addShoeOrder(ShoeOrder shoeOrder) {**

**ShoeOrder savedShoeOrder = shoeOrderRepository.save(shoeOrder);**

**return savedShoeOrder;**

**}**

**@Override**

**public List<ShoeOrder> findByOrderType(String orderType) {**

**List<ShoeOrder> listOfShoeOrders = shoeOrderRepository.findByOrderType(orderType);**

**return listOfShoeOrders;**

**}**

**@Override**

**public List<ShoeOrder> findByDateOfOrder(Date orderDate) {**

**List<ShoeOrder> listOfShoeOrders = shoeOrderRepository.findByDateOfOrder(orderDate);**

**return listOfShoeOrders;**

**}**

**@Override**

**public List<ShoeOrder> findByDateOfOrderAndOrderType(Date orderDate, String orderType) {**

**List<ShoeOrder> listOfShoeOrders = shoeOrderRepository.findByDateOfOrderAndOrderType(orderDate, orderType);**

**return listOfShoeOrders;**

**}**

**}**

## Class ShoeService Source Code

**package com.binu.sportyshoes.service;**

**import java.util.List;**

**import com.binu.sportyshoes.dto.Shoe;**

**import com.binu.sportyshoes.dto.ShoeOrder;**

**public interface ShoeService{**

**Shoe findById(Integer id);**

**List<Shoe> getAllShoes();**

**Shoe addShoeToInventory(Shoe shoe);**

**}**

## Class ShoeServiceImpl Source Code

**package com.binu.sportyshoes.service;**

**import java.util.List;**

**import javax.transaction.Transactional;**

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

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

**import com.binu.sportyshoes.dto.Shoe;**

**import com.binu.sportyshoes.repository.ShoeRepository;**

**@Service**

**public class ShoeServiceImpl implements ShoeService {**

**@Autowired**

**ShoeRepository shoeRepository;**

**public List<Shoe> getAllShoes() {**

**List<Shoe> listShoes = shoeRepository.findAll();**

**return listShoes;**

**}**

**@Transactional**

**public Shoe addShoeToInventory(Shoe shoe) {**

**Shoe addedShoe = shoeRepository.save(shoe);**

**return addedShoe;**

**}**

**@Override**

**public Shoe findById(Integer id) {**

**Shoe shoe = shoeRepository.findById(id).get();**

**return shoe;**

**}**

**}**

## Class UserLoginService Source Code

**package com.binu.sportyshoes.service;**

**import java.util.Optional;**

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

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

**import com.binu.sportyshoes.dto.User;**

**import com.binu.sportyshoes.repository.UserRepository;**

**@Service**

**public class UserLoginService {**

**@Autowired**

**UserRepository userRepository;**

**public boolean validateUser(String username, String password) {**

**System.out.println("In UserLoginService: validateUser() username=" + username + " password=" + password);**

**boolean foundUser = false;**

**Optional<User> optional\_user = userRepository.findById(username);**

**System.out.println("In UserLoginService: validateUser() username=" + username + " password=" + password + " optional\_user=" + optional\_user);**

**if (optional\_user.isPresent()) {**

**User user = optional\_user.get();**

**if (user.getUserName().equals(username) && user.getPassword().equals(password)) {**

**foundUser = true;**

**}**

**}**

**return foundUser;**

**}**

**}**

## Class UserRegistration Service Source Code

**package** com.binu.sportyshoes.service;

**import** com.binu.sportyshoes.dto.User;

**public** **interface** UserRegistrationService {

**boolean** doesUserExistInDB(String userid);

User registerUser(User user);

}

## Class UserregistrationServiceImpl Source Code

**package com.binu.sportyshoes.service;**

**import java.util.Optional;**

**import javax.transaction.Transactional;**

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

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

**import com.binu.sportyshoes.dto.Address;**

**import com.binu.sportyshoes.dto.User;**

**import com.binu.sportyshoes.repository.AddressRepository;**

**import com.binu.sportyshoes.repository.UserRepository;**

**@Service**

**public class UserRegistrationServiceImpl implements UserRegistrationService {**

**@Autowired**

**UserRepository userRepository;**

**@Autowired**

**AddressRepository addressRepository;**

**public boolean doesUserExistInDB(String userid) {**

**boolean doesUserExist = false;**

**Optional<User> user = userRepository.findById(userid);**

**if (user.isPresent()) {**

**doesUserExist = true;**

**}**

**return doesUserExist;**

**}**

**@Transactional**

**public User registerUser(User user) {**

**Address address = new Address();**

**address.setAddressLine1(user.getHomeAddress().getAddressLine1());**

**address.setAddressLine2(user.getHomeAddress().getAddressLine2());**

**address.setCity(user.getHomeAddress().getCity());**

**address.setState(user.getHomeAddress().getState());**

**address.setZipCode(user.getHomeAddress().getZipCode());**

**address.setCountry(user.getHomeAddress().getCountry());**

**address = addressRepository.save(address);**

**user.getHomeAddress().setId(address.getId());**

**User saved\_user = userRepository.save(user);**

**return saved\_user;**

**}**

**}**

## Class UserService Source Code

**package com.binu.sportyshoes.service;**

**import java.util.List;**

**import com.binu.sportyshoes.dto.User;**

**public interface UserService {**

**List<User> getAllUsers(); // "All"**

**List<User> findByAgeLessThanAndGender(Integer age, String gender); // Age < 20 AND gender**

**List<User> findByAgeLessThan(Integer age); // Age < 20 AND All genders**

**List<User> findByAgeBetweenAndGender(Integer age1, Integer age2, String gender); // Age "20-29", "30-39", "40-49", "50-59" AND gender**

**List<User> findByAgeBetween(Integer age1, Integer age2); // Age "20-29", "30-39", "40-49", "50-59" AND All genders**

**List<User> findByAgeGreaterThanAndGender(Integer age, String gender); // Age "> 59" AND gender**

**List<User> findByAgeGreaterThan(Integer age); // Age "> 59" AND all genders**

**List<User> findByGender(String gender);**

**}**

## Class UserServiceImpl Source Code

**package com.binu.sportyshoes.service;**

**import java.util.List;**

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

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

**import com.binu.sportyshoes.dto.User;**

**import com.binu.sportyshoes.repository.UserRepository;**

**@Service**

**public class UserServiceImpl implements UserService {**

**@Autowired**

**UserRepository userRepository;**

**@Override**

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

**List<User> listOfAllUsers = userRepository.findAll();**

**return listOfAllUsers;**

**}**

**@Override**

**public List<User> findByAgeLessThanAndGender(Integer age, String gender) {**

**List<User> listOfAllUsers = userRepository.findByAgeLessThanAndGender(age, gender);**

**return listOfAllUsers;**

**}**

**@Override**

**public List<User> findByAgeLessThan(Integer age) {**

**List<User> listOfAllUsers = userRepository.findByAgeLessThan(age);**

**return listOfAllUsers;**

**}**

**@Override**

**public List<User> findByAgeBetweenAndGender(Integer age1, Integer age2, String gender) {**

**List<User> listOfAllUsers = userRepository.findByAgeBetweenAndGender(age1, age2, gender);**

**return listOfAllUsers;**

**}**

**@Override**

**public List<User> findByAgeBetween(Integer age1, Integer age2) {**

**List<User> listOfAllUsers = userRepository.findByAgeBetween(age1, age2);**

**return listOfAllUsers;**

**}**

**@Override**

**public List<User> findByAgeGreaterThanAndGender(Integer age, String gender) {**

**List<User> listOfAllUsers = userRepository.findByAgeGreaterThanAndGender(age, gender);**

**return listOfAllUsers;**

**}**

**@Override**

**public List<User> findByAgeGreaterThan(Integer age) {**

**List<User> listOfAllUsers = userRepository.findByAgeGreaterThan(age);**

**return listOfAllUsers;**

**}**

**@Override**

**public List<User> findByGender(String gender) {**

**List<User> listOfAllUsers = userRepository.findByGender(gender);**

**return listOfAllUsers;**

**}**

**}**

## JSP admin-logged-in-home-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>Admin Home Page</h2>

      <br /><br />

      <a *href*="/admin/displayAdminUpdatePasswordPage"

        ><h5>Update Admin password</h5></a

      >

      <br />

      <a *href*="/shoe/displayAddShoeToInventoryPage"

        ><h5>Add Shoe to Inventory</h5></a

      >

      <br />

      <a *href*="/admin/displaySignedUpUsersPage"

        ><h5>Display List of Users Who Signed Up</h5></a

      >

      <br />

      <a *href*="/admin/displaySearchUsersPage"><h5>Search Users</h5></a>

      <br />

      <a *href*="/admin/displayPurchaseReportPage"

        ><h5>Display Purchase Report</h5></a

      >

      <br />

      <a *href*="/admin/displaySearchShoeOrdersPage"

        ><h5>Search Shoe Orders</h5></a

      >

      <br />

      <br /><br />

    </center>

  </body>

</html>

## JSP admin-login-error-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>Admin Login Error:</h2>

      <br /><br />

      <h4>${sessionScope.adminerror}</h4>

      <br /><br />

      <a *href*="/admin/displayAdminLoginPage"><h5>Return to Admin Login</h5></a>

      <br /><br />

      <a *href*="/"><h5>Return to Customer Home Page</h5></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP admin-login-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>Admin Login:</h2>

      <form *action*="/admin/validateAdminLogin" *method*="post">

        <div *class*="form-group">

          Admin Username: <input *type*="text" *name*="adminUserName" />

          <br /><br />

          Admin Password: <input *type*="password" *name*="adminPwd" /> <br /><br />

        </div>

        <input *type*="submit" *class*="btn btn-primary mb-2" *value*="Login" />

      </form>

      <br />

      <a *href*="/"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP admin-purchase-report-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib uri="http://java.sun.com/jsp/jstl/core"

prefix="c" %>

<!DOCTYPE *html*>

<html>

  <head>

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

*.align-right* {

        text-align: right;

      }

    </style>

    <style>

      body {

        background-color: lightblue;

      }

      th,

      td {

        text-align: center;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Admin Site</h2>

      <br />

    </center>

    <div align="center">

      <caption>

        <h3>Purchase Report</h3>

      </caption>

      <table border="1" *cellpadding*="5" *class*="table">

        <thead *class*="thead-dark">

          <tr>

            <th>Order Id</th>

            <th>Username</th>

            <th>Order Date</th>

            <th>Shipping Carrier</th>

            <th>Shipping Type</th>

            <th>Order Total</th>

            <th>Shipped?</th>

            <th>Shipped Date</th>

          </tr>

        </thead>

        <c:forEach *var*="shoeOrder" *items*="${listShoeOrders}">

          <tr>

            <td><c:out *value*="${shoeOrder.id}" /></td>

            <td><c:out *value*="${shoeOrder.userName}" /></td>

            <td><c:out *value*="${shoeOrder.dateOfOrder}" /></td>

            <td><c:out *value*="${shoeOrder.shippingCarrier}" /></td>

            <td><c:out *value*="${shoeOrder.shippingChoice}" /></td>

            <td><c:out *value*="$${shoeOrder.orderGrandTotal}" /></td>

            <td><c:out *value*="${shoeOrder.shipped}" /></td>

            <td><c:out *value*="${shoeOrder.shippedDate}" /></td>

          </tr>

        </c:forEach>

      </table>

      <br />

      <a *href*="/admin/displayAdminHomePage"><h5>Admin Home</h5></a>

      <br /><br />

      <a *href*="/"><h4>Customer home</h4></a>

      <br /><br />

    </div>

  </body>

</html>

## JSP admin-search-shoe-orders-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib uri="http://java.sun.com/jsp/jstl/core"

prefix="c" %> <%@ taglib prefix="form"

uri="http://www.springframework.org/tags/form" %>

<!DOCTYPE *html*>

<html>

  <head>

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

*.align-right* {

        text-align: right;

      }

    </style>

    <style>

      body {

        background-color: lightblue;

      }

      th,

      td {

        text-align: center;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <div align="center">

        <h2>Search Shoe Orders Page</h2>

        <form:form

*action*="searchShoeOrders"

*method*="post"

*modelAttribute*="searchShoeOrdersChoice"

        >

          <form:label *path*="dateOfOrderType">Date Range Type:</form:label>

          <form:select *path*="dateOfOrderType" *items*="${dateTypeList}" /><br />

          <form:label *path*="categoryOrderType">Category Order Type:</form:label>

          <form:select

*path*="categoryOrderType"

*items*="${categoryOrderTypeList}"

          /><br />

          <form:button>Search Shoe Orders</form:button>

        </form:form>

      </div>

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP admin-search-shoe-orders-result-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib uri="http://java.sun.com/jsp/jstl/core"

prefix="c" %>

<!DOCTYPE *html*>

<html>

  <head>

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

*.align-right* {

        text-align: right;

      }

    </style>

    <style>

      body {

        background-color: lightblue;

      }

      th,

      td {

        text-align: center;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Shoe Order Search Results</h2>

      <br />

    </center>

    <div align="center">

      <caption>

        <h3>Qualifying Shoe Orders</h3>

      </caption>

      <table border="1" *cellpadding*="5" *class*="table">

        <thead *class*="thead-dark">

          <tr>

            <th>Shoe Order Id</th>

            <th>Username</th>

            <th>Order Date</th>

            <th>Order Type</th>

            <th>Shipping Carrier</th>

            <th>Shipping Choice</th>

            <th>Shipped</th>

            <th>Ship Date</th>

          </tr>

        </thead>

        <c:forEach *var*="shoeOrderItem" *items*="${listOfShoeOrderItems}">

          <tr>

            <td><c:out *value*="${shoeOrderItem.shoeOrderId}" /></td>

            <td><c:out *value*="${shoeOrderItem.userName}" /></td>

            <td><c:out *value*="${shoeOrderItem.dateOfOrder}" /></td>

            <td><c:out *value*="${shoeOrderItem.orderType}" /></td>

            <td><c:out *value*="${shoeOrderItem.shippingCarrier}" /></td>

            <td><c:out *value*="${shoeOrderItem.shippingChoice}" /></td>

            <td><c:out *value*="${shoeOrderItem.shipped}" /></td>

            <td><c:out *value*="${shoeOrderItem.shippedDate}" /></td>

          </tr>

        </c:forEach>

      </table>

      <br />

      <a *href*="/admin/displayAdminHomePage"><h5>Admin Home</h5></a>

      <br /><br />

      <a *href*="/"><h4>Customer home</h4></a>

      <br /><br />

    </div>

  </body>

</html>

## JSP admin-search-users-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib uri="http://java.sun.com/jsp/jstl/core"

prefix="c" %> <%@ taglib prefix="form"

uri="http://www.springframework.org/tags/form" %>

<!DOCTYPE *html*>

<html>

  <head>

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

*.align-right* {

        text-align: right;

      }

    </style>

    <style>

      body {

        background-color: lightblue;

      }

      th,

      td {

        text-align: center;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <div align="center">

        <h2>Search Users Page</h2>

        <form:form

*action*="searchUsers"

*method*="post"

*modelAttribute*="searchUserChoice"

        >

          <form:label *path*="genderType">Gender:</form:label>

          <form:select *path*="genderType" *items*="${genderTypeList}" /><br />

          <form:label *path*="ageType">Age Type:</form:label>

          <form:select *path*="ageType" *items*="${ageTypeList}" /><br />

          <form:button>Search Users</form:button>

        </form:form>

      </div>

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP admin-search-users-result-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib uri="http://java.sun.com/jsp/jstl/core"

prefix="c" %>

<!DOCTYPE *html*>

<html>

  <head>

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

*.align-right* {

        text-align: right;

      }

    </style>

    <style>

      body {

        background-color: lightblue;

      }

      th,

      td {

        text-align: center;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>User Search Results</h2>

      <br />

    </center>

    <div align="center">

      <caption>

        <h3>Qualifying Users</h3>

      </caption>

      <table border="1" *cellpadding*="5" *class*="table">

        <thead *class*="thead-dark">

          <tr>

            <th>Username</th>

            <th>Email</th>

            <th>Gender</th>

            <th>Age</th>

            <th>First Name</th>

            <th>Last Name</th>

            <th>Address Line 1</th>

            <th>Address Line 2</th>

            <th>City</th>

            <th>State</th>

            <th>Zip Code</th>

            <th>Country</th>

            <th>Home Ph No</th>

            <th>Cell Ph No</th>

          </tr>

        </thead>

        <c:forEach *var*="user" *items*="${listOfUsers}">

          <tr>

            <td><c:out *value*="${user.userName}" /></td>

            <td><c:out *value*="${user.email}" /></td>

            <td><c:out *value*="${user.gender}" /></td>

            <td><c:out *value*="${user.age}" /></td>

            <td><c:out *value*="${user.firstName}" /></td>

            <td><c:out *value*="${user.lastName}" /></td>

            <td><c:out *value*="${user.homeAddress.addressLine1}" /></td>

            <td><c:out *value*="${user.homeAddress.addressLine2}" /></td>

            <td><c:out *value*="${user.homeAddress.city}" /></td>

            <td><c:out *value*="${user.homeAddress.state}" /></td>

            <td><c:out *value*="${user.homeAddress.zipCode}" /></td>

            <td><c:out *value*="${user.homeAddress.country}" /></td>

            <td><c:out *value*="${user.homePhoneNo}" /></td>

            <td><c:out *value*="${user.cellPhoneNo}" /></td>

          </tr>

        </c:forEach>

      </table>

      <br />

      <a *href*="/admin/displayAdminHomePage"><h5>Admin Home</h5></a>

      <br /><br />

      <a *href*="/"><h4>Customer home</h4></a>

      <br /><br />

    </div>

  </body>

</html>

## JSP admin-signed-up-users-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib uri="http://java.sun.com/jsp/jstl/core"

prefix="c" %>

<!DOCTYPE *html*>

<html>

  <head>

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

*.align-right* {

        text-align: right;

      }

    </style>

    <style>

      body {

        background-color: lightblue;

      }

      th,

      td {

        text-align: center;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Admin Site</h2>

      <br />

    </center>

    <div align="center">

      <caption>

        <h3>All Signed Up Users</h3>

      </caption>

      <table border="1" *cellpadding*="5" *class*="table">

        <thead *class*="thead-dark">

          <tr>

            <th>Username</th>

            <th>Email</th>

            <th>Gender</th>

            <th>Age</th>

            <th>First Name</th>

            <th>Last Name</th>

            <th>Address Line 1</th>

            <th>Address Line 2</th>

            <th>City</th>

            <th>State</th>

            <th>Zip Code</th>

            <th>Country</th>

            <th>Home Ph No</th>

            <th>Cell Ph No</th>

          </tr>

        </thead>

        <c:forEach *var*="user" *items*="${listSignedUpUsers}">

          <tr>

            <td><c:out *value*="${user.userName}" /></td>

            <td><c:out *value*="${user.email}" /></td>

            <td><c:out *value*="${user.gender}" /></td>

            <td><c:out *value*="${user.age}" /></td>

            <td><c:out *value*="${user.firstName}" /></td>

            <td><c:out *value*="${user.lastName}" /></td>

            <td><c:out *value*="${user.homeAddress.addressLine1}" /></td>

            <td><c:out *value*="${user.homeAddress.addressLine2}" /></td>

            <td><c:out *value*="${user.homeAddress.city}" /></td>

            <td><c:out *value*="${user.homeAddress.state}" /></td>

            <td><c:out *value*="${user.homeAddress.zipCode}" /></td>

            <td><c:out *value*="${user.homeAddress.country}" /></td>

            <td><c:out *value*="${user.homePhoneNo}" /></td>

            <td><c:out *value*="${user.cellPhoneNo}" /></td>

          </tr>

        </c:forEach>

      </table>

      <br />

      <a *href*="/admin/displayAdminHomePage"><h5>Admin Home</h5></a>

      <br /><br />

      <a *href*="/"><h4>Customer home</h4></a>

      <br /><br />

    </div>

  </body>

</html>

## JSP admin-update-password-failure-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>Admin - Update Password</h2>

      <br />

      <br />

      <h4>

        Sorry, your password update was unsuccessful. Please try again later or

        contact the Help Desk.

      </h4>

      <br /><br />

      <a *href*="/admin/displayAdminHomePage"

        ><h5>Return to Admin Home page</h5></a

      >

      <br />

      <a *href*="/"><h5>Return to Customer Home Page</h5></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP admin-update-password-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%><%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>Admin Update Password:</h2>

      <br /><br />

      <form *action*="/admin/updateAdminPassword" *method*="post">

        <div *class*="form-group">

          Admin Username:

          <input

*type*="text"

*name*="adminUserName"

*value*="${sessionScope.adminusername}"

*readonly*

          />

          <br /><br />

          New Admin Password: <input *type*="password" *name*="adminPwd" />

          <br /><br />

        </div>

        <input

*type*="submit"

*class*="btn btn-primary mb-2"

*value*="Update Password"

        />

      </form>

    </center>

  </body>

</html>

## JSP admin-update-password-success-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>Admin - Update Password</h2>

      <br />

      <br />

      <h4>Congratulations! You have successfully updated your password!</h4>

      <br /><br />

      <a *href*="/admin/displayAdminHomePage"

        ><h5>Return to Admin Home page</h5></a

      >

      <br />

      <a *href*="/"><h5>Return to Customer Home Page</h5></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP order-checkout-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib uri="http://java.sun.com/jsp/jstl/core"

prefix="c" %>

<!DOCTYPE *html*>

<html>

  <head>

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

*.align-right* {

        text-align: right;

      }

    </style>

    <style>

      body {

        background-color: lightblue;

      }

      th,

      td {

        text-align: center;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>All Sporty Shoes</h2>

      <br />

      <div align="center">

        <caption>

          <h3>Order Checkout and Payment Page</h3>

        </caption>

        <table border="1" *cellpadding*="5" *class*="table">

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

            <tr>

              <th>Order Item Id</th>

              <th>Shoe Id</th>

              <th>Shoe</th>

              <th>Quantity</th>

              <th>Item Price</th>

              <th>Action</th>

            </tr>

          </thead>

          <c:forEach *var*="orderItem" *items*="${listOfAllOrderItems}">

            <tr>

              <td><c:out *value*="${orderItem.id}" /></td>

              <td><c:out *value*="${orderItem.shoeId}" /></td>

              <td><c:out *value*="${orderItem.shoeName}" /><br />

                <img *src*="${orderItem.imageUrl}" *height*="200" *width*="200"></td>

              <td><c:out *value*="${orderItem.purchaseQuantity}" /></td>

              <td><c:out *value*="$${orderItem.price}" /></td>

              <td>

                <a

*href*="/cart/deleteOrderItem/<c:out value='${orderItem.id}' />"

                  >Delete</a

                >

              </td>

            </tr>

          </c:forEach>

          <tr>

            <td><h5>Subtotal</h5></td>

            <td></td>

            <td></td>

            <td></td>

            <td><h5>$${subtotal}</h5></td>

            <td></td>

          </tr>

          <tr>

            <td><h5>Tax</h5></td>

            <td></td>

            <td></td>

            <td></td>

            <td><h5>$${tax}</h5></td>

            <td></td>

          </tr>

          <tr>

            <td><h5>Total before shipping costs</h5></td>

            <td></td>

            <td></td>

            <td></td>

            <td><h5>$${total}</h5></td>

            <td></td>

          </tr>

        </table>

        <div align="center">

            <h2>Payment Details:</h2>

            <form:form

*action*="addPaymentDetails"

*method*="post"

*modelAttribute*="paymentDetails"

            >

              <form:label *path*="shoeName">Shoe Name:</form:label>

              <form:input *path*="shoeName" /><br />

              <form:label *path*="stockId">Stock Id:</form:label>

              <form:input *path*="stockId" /><br />

              <form:label *path*="shoeType">Shoe Type:</form:label>

              <form:select *path*="shoeType" *items*="${shoeTypeList}" /><br />

              <form:label *path*="brand">Size:</form:label>

              <form:select *path*="brand" *items*="${brandList}" /><br />

              <form:label *path*="color">Color:</form:label>

              <form:select *path*="color" *items*="${colorList}" /><br />

              <form:label *path*="gender">Gender:</form:label>

              <form:radiobutton *path*="gender" *value*="Male" />Male

              <form:radiobutton *path*="gender" *value*="Female" />Female<br />

              <form:label *path*="size">Size:</form:label>

              <form:select *path*="size" *items*="${sizeList}" /><br />

              <form:label *path*="quantityOnHand">Quantity:</form:label>

              <form:input *path*="quantityOnHand" /><br />

              <form:label *path*="inventoryCost">Inventory Cost:</form:label>

              <form:input *path*="inventoryCost" /><br />

              <form:label *path*="marketPrice">Market Price:</form:label>

              <form:input *path*="marketPrice" /><br />

              <form:label *path*="countryOfManufacture"

                >Country of Manufacture:</form:label

              >

              <form:select

*path*="countryOfManufacture"

*items*="${countryOfManufactureList}"

              /><br />

              <form:label *path*="imageUrl">Image Url:</form:label>

              <form:input *path*="imageUrl" /><br /><br />

              <form:button>Register</form:button>

            </form:form>

          </div>

      </div>

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP order-select-shipping-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib uri="http://java.sun.com/jsp/jstl/core"

prefix="c" %>

<%@ taglib prefix="form"

uri="http://www.springframework.org/tags/form" %>

<!DOCTYPE *html*>

<html>

  <head>

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

*.align-right* {

        text-align: right;

      }

    </style>

    <style>

      body {

        background-color: lightblue;

      }

      th,

      td {

        text-align: center;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>All Sporty Shoes</h2>

      <br />

      <div align="center">

        <caption>

          <h3>Order Checkout and Payment Page</h3>

        </caption>

        <table border="1" *cellpadding*="5" *class*="table">

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

            <tr>

              <th>Order Item Id</th>

              <th>Shoe Id</th>

              <th>Shoe</th>

              <th>Quantity</th>

              <th>Item Price</th>

              <th>Action</th>

            </tr>

          </thead>

          <c:forEach *var*="orderItem" *items*="${listOfAllOrderItems}">

            <tr>

              <td><c:out *value*="${orderItem.id}" /></td>

              <td><c:out *value*="${orderItem.shoeId}" /></td>

              <td><c:out *value*="${orderItem.shoeName}" /><br />

                <img *src*="${orderItem.imageUrl}" *height*="200" *width*="200"></td>

              <td><c:out *value*="${orderItem.purchaseQuantity}" /></td>

              <td><c:out *value*="$${orderItem.price}" /></td>

              <td>

                <a

*href*="/cart/deleteOrderItem/<c:out value='${orderItem.id}' />"

                  >Delete</a

                >

              </td>

            </tr>

          </c:forEach>

          <tr>

            <td><h5>Subtotal</h5></td>

            <td></td>

            <td></td>

            <td></td>

            <td><h5>$${subtotal}</h5></td>

            <td></td>

          </tr>

          <tr>

            <td><h5>Tax</h5></td>

            <td></td>

            <td></td>

            <td></td>

            <td><h5>$${tax}</h5></td>

            <td></td>

          </tr>

          <tr>

            <td><h5>Total before shipping costs</h5></td>

            <td></td>

            <td></td>

            <td></td>

            <td><h5>$${total}</h5></td>

            <td></td>

          </tr>

        </table>

        <div align="center">

            <h2>Select Shipping:</h2>

            <form:form

*action*="addShippingChoice"

*method*="post"

*modelAttribute*="shippingChoice"

            >

              <form:label *path*="shippingCarrier">Shipping Carrier:</form:label>

              <form:select *path*="shippingCarrier" *items*="${shippingCarrierList}" /><br />

              <form:label *path*="shippingType">Shipping Type:</form:label>

              <form:select *path*="shippingType" *items*="${shippingTypeList}" /><br />

              <form:button>Add Shipping Choice</form:button>

            </form:form>

          </div>

      </div>

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP shoe-order-add-payment-details-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%><%@ taglib prefix="form"

uri="http://www.springframework.org/tags/form" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

*.paymentdetail-div* {

        display: flex;

        justify-content: center;

        align-items: center;

        flex-direction: column;

      }

*.form-label-and-input* {

        display: flex;

        justify-content: right;

        flex-direction: row;

      }

*.form-label* {

        display: flex;

        justify-content: left;

        flex-direction: row;

        width: 200px;

        height: 30px;

      }

*.form-input* {

        display: flex;

        justify-content: right;

        flex-direction: row;

        width: 200px;

        height: 30px;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Add Payment Detail</h2>

      <br />

      <br />

      <h3>Payment Information:</h3><br />

      <div align="center" *class*="paymentdetail-div">

        <form:form

*action*="addPaymentDetail"

*method*="post"

*modelAttribute*="paymentDetail"

        >

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="payerFirstName">Payer First Name:</form:label></span>

            <span *class*="form-input"><form:input *path*="payerFirstName" /></span>

          </div>

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="payerLastName">Payer Last Name:</form:label></span>

            <span *class*="form-input"><form:input *path*="payerLastName" /></span>

          </div>

          <br /><h4>Billing Address:</h4><br />

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="billingAddress.addressLine1">Address Line 1:</form:label></span>

            <span *class*="form-input"><form:input *path*="billingAddress.addressLine1" /></span>

          </div>

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="billingAddress.addressLine2">Address Line 2:</form:label></span>

            <span *class*="form-input"><form:input *path*="billingAddress.addressLine2" /></span>

          </div>

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="billingAddress.city">City:</form:label></span>

            <span *class*="form-input"><form:input *path*="billingAddress.city" /></span>

          </div>

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="billingAddress.state">State:</form:label></span>

            <span *class*="form-input"><form:input *path*="billingAddress.state" /></span>

          </div>

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="billingAddress.zipCode">Zip Code:</form:label></span>

            <span *class*="form-input"><form:input *path*="billingAddress.zipCode" /></span>

          </div>

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="billingAddress.country">Country:</form:label></span>

            <span *class*="form-input"><form:select *path*="billingAddress.country" *items*="${countryList}" /></span>

          </div>

          <br /><h4></h4><br />

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="billingPhoneNo">Billing Phone No:</form:label></span>

            <span *class*="form-input"><form:input *path*="billingPhoneNo" /></span>

          </div>

          <br /><h4>Card Details:</h4><br />

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="paymentType">Card Type:</form:label></span>

            <span *class*="form-input"><form:select *path*="paymentType" *items*="${paymentTypeList}" /></span>

          </div>

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="cardNo">Card No:</form:label></span>

            <span *class*="form-input"><form:input *path*="cardNo" /></span>

          </div>

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="cardExpirationMonth">Card Exp Month:</form:label></span>

            <span *class*="form-input"><form:select *path*="cardExpirationMonth" *items*="${expMonthList}" /></span>

          </div>

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="cardExpirationYear">Card Exp Year:</form:label></span>

            <span *class*="form-input"><form:select *path*="cardExpirationYear" *items*="${expYearList}" /></span>

          </div>

          <div *class*="form-label-and-input">

            <span *class*="form-label"><form:label *path*="cardCvvCode">Card Cvv Code:</form:label></span>

            <span *class*="form-input"><form:input *path*="cardCvvCode" /></span>

          </div>

          <div *class*="form-label-and-input">

            <span *class*="form-label"></span>

            <span *class*="form-input"><form:button>Add Payment Details</form:button></span>

          </div>

        </form:form>

    </center>

  </body>

</html>

## JSP shoe-order-submit-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib uri="http://java.sun.com/jsp/jstl/core"

prefix="c" %> <%@ taglib prefix="form"

uri="http://www.springframework.org/tags/form" %>

<!DOCTYPE *html*>

<html>

  <head>

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

*.align-right* {

        text-align: right;

      }

    </style>

    <style>

      body {

        background-color: lightblue;

      }

      th,

      td {

        text-align: center;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Submit Shoe Order</h2>

      <br />

      <div align="center">

        <div align="center">

          <h2>Click to submit order:</h2>

          <form:form

*action*="submitShoeOrder"

*method*="post"

*modelAttribute*="shoeOrder"

          >

            <form:button>Submit Order</form:button>

          </form:form>

        </div>

      </div>

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-shoe-order-add-paymentdetail-failure-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Adding Payment Detail to Shoe Order</h2>

      <br />

      <br />

      <h4>${sessionScope.error}</h4>

      <br /><br />

      <br /><br />

      <a *href*="/checkout/displayAddPaymentDetailsPage"

        ><h4>Add Payment Details</h4></a

      >

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-shoe-order-add-paymentdetail-success-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Adding Payment Detail to Shoe Order</h2>

      <br />

      <br />

      <h4>${sessionScope.success}</h4>

      <br /><br />

      <br /><br />

      <a *href*="/checkout/displaySubmitShoeOrderPage"

        ><h4>Submit Order Page</h4></a

      >

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-shoe-order-add-shipping-failure-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Adding Shipping to Shoe Order</h2>

      <br />

      <br />

      <h4>${sessionScope.error}</h4>

      <br /><br />

      <br /><br />

      <a *href*="/checkout/displayAddPaymentDetailsPage"

        ><h4>Add Payment Details</h4></a

      >

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-shoe-order-add-shipping-success-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Adding Shipping to Shoe Order</h2>

      <br />

      <br />

      <h4>${sessionScope.success}</h4>

      <br /><br />

      <br /><br />

      <a *href*="/checkout/displayAddPaymentDetailsPage"

        ><h4>Add Payment Details</h4></a

      >

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-shoe-order-submit-failure-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Submitting Shoe Order</h2>

      <br />

      <br />

      <h4>${sessionScope.error}</h4>

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-shoe-order-submit-success-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Submitting Shoe Order</h2>

      <br />

      <br />

      <h4>${sessionScope.success}</h4>

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP admin-add-shoe-failure-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>Admin - Add Shoe to Inventory</h2>

      <br /><br />

      <h4>${sessionScope.errormsg}</h4>

      <br /><br />

      <a *href*="/shoe/displayAddShoeToInventoryPage"

        ><h5>Return to Admin Add Shoe to Inventory page</h5></a

      >

      <br />

      <a *href*="/admin/displayAdminHomePage"

        ><h5>Return to Admin Home page</h5></a

      >

      <br />

      <a *href*="/"><h5>Return to Customer Home Page</h5></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP admin-add-shoe-success-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>Admin - Add Shoe to Inventory</h2>

      <br />

      <br />

      <h4>

        Congratulations! You have successfully added shoe

        ${sessionScope.successmsg} to inventory!

      </h4>

      <br /><br />

      <a *href*="/shoe/displayAddShoeToInventoryPage"

        ><h5>Return to Admin Add Shoe to Inventory page</h5></a

      >

      <br />

      <a *href*="/admin/displayAdminHomePage"

        ><h5>Return to Admin Home page</h5></a

      >

      <br />

      <a *href*="/"><h5>Return to Customer Home Page</h5></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP admin-add-shoe-form Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib prefix="form"

uri="http://www.springframework.org/tags/form" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

    <style *type*="text/css">

      label {

        display: inline-block;

        width: 200px;

        margin: 5px;

        text-align: left;

      }

      input[*type*='text'],

      input[*type*='email'],

      input[*type*='password'],

      select {

        width: 200px;

      }

      input[*type*='radio'] {

        display: inline-block;

        margin-left: 45px;

      }

      input[*type*='checkbox'] {

        display: inline-block;

        margin-right: 190px;

      }

      button {

        padding: 5px;

        margin: 5px;

        border-radius: 10%;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <div align="center">

        <h2>Add Shoe To Inventory:</h2>

        <form:form

*action*="addShoeToInventory"

*method*="post"

*modelAttribute*="shoe"

        >

          <form:label *path*="shoeName">Shoe Name:</form:label>

          <form:input *path*="shoeName" /><br />

          <form:label *path*="stockId">Stock Id:</form:label>

          <form:input *path*="stockId" /><br />

          <form:label *path*="shoeType">Shoe Type:</form:label>

          <form:select *path*="shoeType" *items*="${shoeTypeList}" /><br />

          <form:label *path*="brand">Size:</form:label>

          <form:select *path*="brand" *items*="${brandList}" /><br />

          <form:label *path*="color">Color:</form:label>

          <form:select *path*="color" *items*="${colorList}" /><br />

          <form:label *path*="gender">Gender:</form:label>

          <form:radiobutton *path*="gender" *value*="Male" />Male

          <form:radiobutton *path*="gender" *value*="Female" />Female<br />

          <form:label *path*="size">Size:</form:label>

          <form:select *path*="size" *items*="${sizeList}" /><br />

          <form:label *path*="quantityOnHand">Quantity:</form:label>

          <form:input *path*="quantityOnHand" /><br />

          <form:label *path*="inventoryCost">Inventory Cost:</form:label>

          <form:input *path*="inventoryCost" /><br />

          <form:label *path*="marketPrice">Market Price:</form:label>

          <form:input *path*="marketPrice" /><br />

          <form:label *path*="countryOfManufacture"

            >Country of Manufacture:</form:label

          >

          <form:select

*path*="countryOfManufacture"

*items*="${countryOfManufactureList}"

          /><br />

          <form:label *path*="imageUrl">Image Url:</form:label>

          <form:input *path*="imageUrl" /><br /><br />

          <form:button>Add Shoe</form:button>

        </form:form>

      </div>

    </center>

  </body>

</html>

## JSP user-cart-item-add-failure-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Add Item to Cart</h2>

      <br />

      <br />

      <h4>${sessionScope.error}</h4>

      <br /><br />

      <br /><br />

      <a *href*="/cart/displayCustomerCartPage"><h4>Display cart</h4></a>

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-cart-item-delete-failure-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Delete Item from Cart</h2>

      <br />

      <br />

      <h4>${sessionScope.error}</h4>

      <br /><br />

      <br /><br />

      <a *href*="/cart/displayCustomerCartPage"><h4>Display cart</h4></a>

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-cart-item-delete-success-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Delete Item from Cart</h2>

      <br />

      <br />

      <h4>${sessionScope.success}</h4>

      <br /><br />

      <br /><br />

      <a *href*="/cart/displayCustomerCartPage"><h4>Display cart</h4></a>

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-cart-item-successfully-added-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>Add Item to Cart</h2>

      <br />

      <br />

      <h4>${sessionScope.success}</h4>

      <br /><br />

      <br /><br />

      <a *href*="/cart/displayCustomerCartPage"><h4>Display cart</h4></a>

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-cart-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib uri="http://java.sun.com/jsp/jstl/core"

prefix="c" %>

<!DOCTYPE *html*>

<html>

  <head>

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

*.align-right* {

        text-align: right;

      }

    </style>

    <style>

      body {

        background-color: lightblue;

      }

      th,

      td {

        text-align: center;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>All Sporty Shoes</h2>

      <br />

      <div align="center">

        <caption>

          <h3>Customer Shopping Cart</h3>

        </caption>

        <table border="1" *cellpadding*="5" *class*="table">

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

            <tr>

              <th>Order Item Id</th>

              <th>Shoe Id</th>

              <th>Shoe</th>

              <th>Quantity</th>

              <th>Item Price</th>

              <th>Action</th>

            </tr>

          </thead>

          <c:forEach *var*="orderItem" *items*="${listOfAllOrderItems}">

            <tr>

              <td><c:out *value*="${orderItem.id}" /></td>

              <td><c:out *value*="${orderItem.shoeId}" /></td>

              <td><c:out *value*="${orderItem.shoeName}" /><br />

                <img *src*="${orderItem.imageUrl}" *height*="200" *width*="200"></td>

              <td><c:out *value*="${orderItem.purchaseQuantity}" /></td>

              <td><c:out *value*="$${orderItem.price}" /></td>

              <td>

                <a

*href*="/cart/deleteOrderItem/<c:out value='${orderItem.id}' />"

                  >Delete</a

                >

              </td>

            </tr>

          </c:forEach>

          <tr>

            <td><h5>Subtotal</h5></td>

            <td></td>

            <td></td>

            <td></td>

            <td><h5>$${subtotal}</h5></td>

            <td></td>

          </tr>

          <tr>

            <td><h5>Tax</h5></td>

            <td></td>

            <td></td>

            <td></td>

            <td><h5>$${tax}</h5></td>

            <td></td>

          </tr>

          <tr>

            <td><h5>Total before shipping costs</h5></td>

            <td></td>

            <td></td>

            <td></td>

            <td><h5>$${total}</h5></td>

            <td></td>

          </tr>

        </table>

      </div>

      <br />

      <a *href*="/checkout/displaySelectShippingPage"><h4>Checkout</h4></a>

      <br /><br />

      <br />

      <a *href*="/user/displayLoggedInCustomerHomePage"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-list-all-shoes-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib uri="http://java.sun.com/jsp/jstl/core"

prefix="c" %>

<!DOCTYPE *html*>

<html>

  <head>

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

*.align-right* {

        text-align: right;

      }

    </style>

    <style>

      body {

        background-color: lightblue;

      }

      th, td {

        text-align: center;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>All Sporty Shoes</h2>

      <br />

    </center>

    <div align="center">

      <caption>

        <h3>List of All Sporty Shoes</h3>

      </caption>

      <table border="1" *cellpadding*="5" *class*="table">

        <thead *class*="thead-dark">

          <tr>

            <th>Id</th>

            <th>Shoe Name</th>

            <th>Shoe Type</th>

            <th>Brand</th>

            <th>Color</th>

            <th>Gender</th>

            <th>Size</th>

            <th>Price</th>

            <th>Image</th>

            <th>Action</th>

          </tr>

        </thead>

        <c:forEach *var*="shoe" *items*="${listShoes}">

          <tr>

            <td><c:out *value*="${shoe.id}" /></td>

            <td><c:out *value*="${shoe.shoeName}" /></td>

            <td><c:out *value*="${shoe.shoeType}" /></td>

            <td><c:out *value*="${shoe.brand}" /></td>

            <td><c:out *value*="${shoe.color}" /></td>

            <td><c:out *value*="${shoe.gender}" /></td>

            <td><c:out *value*="${shoe.size}" /></td>

            <td *class*="align-right"><c:out *value*="$${shoe.marketPrice}" /></td>

            <td *class*="align-right"><img *src*="${shoe.imageUrl}" *height*="200" *width*="200"></td>

            <td>

              <a *href*="/cart/addItemToCart/<c:out value='${shoe.id}' />">Buy</a>

            </td>

          </tr>

        </c:forEach>

      </table>

      <br />

      <a *href*="/"><h4>Customer home</h4></a>

      <br /><br />

    </div>

  </body>

</html>

## JSP user-logged-in-home-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>User Home Page</h2>

      <br /><br />

      <br /><br />

      <a *href*="/user/searchSportyShoes"><h2>Search for sporty shoes</h2></a>

      <br />

      <a *href*="/user/listAllSportyShoes"><h2>List all sporty shoes</h2></a>

      <br /><br /><br />

      <a *href*="/cart/displayCustomerCartPage"><h5>Display shopping cart</h5></a>

      <br />

    </center>

  </body>

</html>

## JSP userlogin-error-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>User Login Error: Please relogin</h2>

      <a *href*="/user/displayUserLoginPage"><h5>Return to User Login</h5></a>

      <br /><br />

      <a *href*="/"><h5>Return to Customer Home Page</h5></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-login-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>User Login:</h2>

      <form *action*="/user/validateUserLogin" *method*="post">

        <div *class*="form-group">

          Username: <input *type*="text" *name*="userName" /> <br /><br />

          Password: <input *type*="password" *name*="userPwd" /> <br /><br />

        </div>

        <input *type*="submit" *class*="btn btn-primary mb-2" *value*="Login" />

      </form>

      <br />

      <a *href*="/"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-registration-failure Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>User Registration</h2>

      <br />

      <br />

      <h4>${sessionScope.error}</h4>

    </center>

  </body>

</html>

## JSP user-registration-form Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ taglib prefix="form"

uri="http://www.springframework.org/tags/form" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

    <style *type*="text/css">

      label {

        display: inline-block;

        width: 200px;

        margin: 5px;

        text-align: left;

      }

      input[*type*='text'],

      input[*type*='email'],

      input[*type*='password'],

      select {

        width: 200px;

      }

      input[*type*='radio'] {

        display: inline-block;

        margin-left: 45px;

      }

      input[*type*='checkbox'] {

        display: inline-block;

        margin-right: 190px;

      }

      button {

        padding: 5px;

        margin: 5px;

        border-radius: 10%;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <div align="center">

        <h2>User Registration:</h2>

        <form:form *action*="registerUser" *method*="post" *modelAttribute*="user">

          <form:label *path*="userName">Username:</form:label>

          <form:input *path*="userName" /><br />

          <form:label *path*="email">E-mail:</form:label>

          <form:input *path*="email" /><br />

          <form:label *path*="password">Password:</form:label>

          <form:password *path*="password" /><br />

          <form:label *path*="gender">Gender:</form:label>

          <form:radiobutton *path*="gender" *value*="Male" />Male

          <form:radiobutton *path*="gender" *value*="Female" />Female

          <form:radiobutton *path*="gender" *value*="Other" />Other<br />

          <form:label *path*="age">Age:</form:label>

          <form:input *path*="age" /><br />

          <form:label *path*="firstName">First Name:</form:label>

          <form:input *path*="firstName" /><br />

          <form:label *path*="lastName">Last Name:</form:label>

          <form:input *path*="lastName" /><br /><br />

          <h4>Home Address:</h4>

          <form:label *path*="homeAddress.addressLine1"

            >Address Line 1:</form:label

          >

          <form:input *path*="homeAddress.addressLine1" /><br />

          <form:label *path*="homeAddress.addressLine2"

            >Address Line 2:</form:label

          >

          <form:input *path*="homeAddress.addressLine2" /><br />

          <form:label *path*="homeAddress.city">City:</form:label>

          <form:input *path*="homeAddress.city" /><br />

          <form:label *path*="homeAddress.state">State:</form:label>

          <form:input *path*="homeAddress.state" /><br />

          <form:label *path*="homeAddress.zipCode">Zip Code:</form:label>

          <form:input *path*="homeAddress.zipCode" /><br />

          <form:label *path*="homeAddress.country">Country:</form:label>

          <form:input *path*="homeAddress.country" /><br /><br />

          <form:label *path*="homePhoneNo">Home Phone No:</form:label>

          <form:input *path*="homePhoneNo" /><br />

          <form:label *path*="cellPhoneNo">Cell Phone No:</form:label>

          <form:input *path*="cellPhoneNo" /><br /><br />

          <form:button>Register</form:button>

        </form:form>

      </div>

      <br />

      <a *href*="/"><h4>Customer home</h4></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP user-registration-succcess Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <h2>User Registration</h2>

      <br />

      <br />

      <h4>

        Congratulations! You have successfully registered with username

        ${sessionScope.username}!

      </h4>

    </center>

  </body>

</html>

## JSP user-unathorized-access-page Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%> <%@ page session="true" %>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Sporty Shoes</h1>

      <br />

      <h2>Unauthorized Page Access Error:</h2>

      <br /><br />

      <h4>${sessionScope.usererror}</h4>

      <br /><br />

      <a *href*="/"><h5>Return to Customer Home Page</h5></a>

      <br /><br />

    </center>

  </body>

</html>

## JSP home Source Code

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

<!DOCTYPE *html*>

<html>

  <head>

    <meta *charset*="UTF-8" />

    <title>Sporty Shoes Web Application</title>

    <!-- Required meta tags -->

    <meta *charset*="utf-8" />

    <meta

*name*="viewport"

*content*="width=device-width, initial-scale=1, shrink-to-fit=no"

    />

    <!-- Bootstrap CSS -->

    <link

*rel*="stylesheet"

*href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"

*integrity*="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"

*crossorigin*="anonymous"

    />

    <script

*src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.min.js"

*integrity*="sha384-skAcpIdS7UcVUC05LJ9Dxay8AXcDYfBJqt1CJ85S/CFujBsIzCIv+l9liuYLaMQ/"

*crossorigin*="anonymous"

    ></script>

    <style>

      body {

        background-color: lightblue;

      }

    </style>

  </head>

  <body>

    <center>

      <h1>Welcome to Sporty Shoes, the world's greatest footwear site!</h1>

      <br /><br />

      <img

*src*="mens/sneakers/daniel-storek-JM-qKEd1GMI-unsplash.jpg"

*height*="200"

*width*="200"

      />

      <img

*src*="womens/sneakers/irene-kredenets-dwKiHoqqxk8-unsplash.jpg"

*height*="200"

*width*="200"

      />

      <img

*src*="mens/shoes/iman-ameli-jng0VFa-jRw-unsplash.jpg"

*height*="200"

*width*="200"

      />

      <img

*src*="womens/shoes/alyssa-hurley-1MW0oT45Epo-unsplash.jpg"

*height*="200"

*width*="200"

      />

      <img

*src*="mens/boots/clem-onojeghuo-cjjKEdaBobk-unsplash.jpg"

*height*="200"

*width*="200"

      />

      <img

*src*="womens/boots/alex-quezada-qAyOt0aGsCo-unsplash.jpg"

*height*="200"

*width*="200"

      />

      <img

*src*="mens/sneakers/ervan-m-wirawan-6r280\_Z7Efc-unsplash.jpg"

*height*="200"

*width*="200"

      />

      <br /><br />

      <br /><br />

      <a *href*="/user/searchSportyShoes"><h2>Search for sporty shoes</h2></a>

      <br />

      <a *href*="/user/listAllSportyShoes"><h2>List all sporty shoes</h2></a>

      <br /><br /><br />

      <a *href*="/user/displayUserLoginPage"><h5>Login to order</h5></a>

      <br />

      <a *href*="/user/displayUserRegistrationPage"

        ><h5>New User Registration</h5></a

      >

      <br />

      <a *href*="/admin/displayAdminLoginPage"><h5>Login as an Admin</h5></a>

      <br /><br />

    </center>

  </body>

</html>