AdminController.java:-

package com.simplilearn.kitchenStoryFoods.controller;

import com.simplilearn.kitchenStoryFoods.models.Products;

import com.simplilearn.kitchenStoryFoods.service.ProductService;

import com.simplilearn.kitchenStoryFoods.service.PurchaseService;

import com.simplilearn.kitchenStoryFoods.service.UserService;

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

import org.springframework.stereotype.Controller;

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

import org.springframework.web.multipart.MultipartFile;

import org.springframework.web.servlet.ModelAndView;

import java.io.IOException;

import java.nio.file.Files;

import java.nio.file.Path;

import java.nio.file.Paths;

@Controller

public class AdminController {

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

@Autowired

ProductService productService;

@Autowired

UserService userService;

@Autowired

PurchaseService purchaseService;

//Admin module

@GetMapping("/admin")

public String getAdminPage(){

return "adminHome";

}

//Users Module

@GetMapping("/admin/userData")

public ModelAndView getUserData(){

ModelAndView mv = new ModelAndView();

mv.addObject("users",userService.getAllUsers());

mv.setViewName("userData");

return mv;

}

@GetMapping("/admin/userData/sort")

public ModelAndView sortingOfUsers(){

ModelAndView mv = new ModelAndView();

mv.addObject("users",userService.findAllUsersOrderByName());

mv.setViewName("userData");

return mv;

}

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

public String deleteUser(@PathVariable int id){

return "redirect:/admin/userData";

}

// Product module

@GetMapping("/admin/products")

public ModelAndView getProductData(){

ModelAndView mv = new ModelAndView();

mv.addObject("products",productService.getAllProducts());

mv.setViewName("products");

return mv;

}

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

public String addProductData(@ModelAttribute Products product, @RequestParam("productImage")MultipartFile multipartFile, @RequestParam("imageName") String imageName) throws IOException {

String imageUUID;

if(!multipartFile.isEmpty()){

imageUUID = multipartFile.getOriginalFilename();

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

Files.write(filenameAndPath,multipartFile.getBytes());

}else{

imageUUID = imageName;

}

product.setImageName(imageUUID);

productService.saveProduct(product);

return "redirect:/admin/products";

}

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

public ModelAndView productAdded(){

ModelAndView mv = new ModelAndView();

mv.addObject("product", new Products());

mv.setViewName("productsAdd");

return mv;

}

//purchase module

@GetMapping("/admin/purchaseData")

public ModelAndView getPurchaseDetails(){

ModelAndView mv = new ModelAndView();

mv.addObject("purchases",purchaseService.getPurchaseData());

mv.setViewName("purchaseReport");

return mv;

}

@GetMapping("/admin/purchase/sortByName")

public ModelAndView getPurchaseDetailsSortByName(){

ModelAndView mv = new ModelAndView();

mv.addObject("purchases",purchaseService.getPurchaseDataSortedWithName());

mv.setViewName("purchaseReport");

return mv;

}

@GetMapping("/admin/purchase/sortByPrice")

public ModelAndView getPurchaseDetailsSortByPrice(){

ModelAndView mv = new ModelAndView();

mv.addObject("purchases",purchaseService.getPurchaseDataSortedWithPrice());

mv.setViewName("purchaseReport");

return mv;

}

}

HomeController.java:-

package com.simplilearn.kitchenStoryFoods.controller;

import com.simplilearn.kitchenStoryFoods.models.Users;

import com.simplilearn.kitchenStoryFoods.service.ProductService;

import com.simplilearn.kitchenStoryFoods.service.UserService;

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

import org.springframework.stereotype.Controller;

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

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

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

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

import org.springframework.web.servlet.ModelAndView;

@Controller

public class HomeController {

@Autowired

ProductService productService;

@Autowired

UserService userService;

public int userId;

@GetMapping("/")

public String showHomePage(){

return "index";

}

@GetMapping("/logout")

public String showLogoutPage(){

return "index";

}

@GetMapping("/login")

public String showLoginPage(){

return "login";

}

@PostMapping("/login")

public String validateLoginDetails(@RequestParam("email")String email,@RequestParam("password") String password){

Users user = userService.getUserDetailByEmail(email);

if(user.getEmail().equalsIgnoreCase(email) && user.getPassword().equals(password)){

userId=user.getId();

if(password.equals("admin"))

return "adminHome";

return "redirect:/shop";

}else {

return "login";

}

}

@GetMapping("/register")

public ModelAndView showRegisterPage(){

ModelAndView mv = new ModelAndView();

mv.addObject("user",new Users());

mv.setViewName("register");

return mv;

}

@PostMapping("/register")

public String showLogin(@ModelAttribute("user")Users user){

userService.saveUser(user);

return "login";

}

@GetMapping("/shop")

public ModelAndView getShopPage(){

ModelAndView mv = new ModelAndView();

mv.addObject("products",productService.getAllProducts());

mv.setViewName("shop");

return mv;

}

@GetMapping("/shop/highToLow")

public ModelAndView sortLowToHigh(){

ModelAndView mv = new ModelAndView();

mv.addObject("products",productService.getSortedHighToLow());

mv.setViewName("shop");

return mv;

}

@GetMapping("/shop/lowToHigh")

public ModelAndView sortHighToLow(){

ModelAndView mv = new ModelAndView();

mv.addObject("products",productService.getSortedLowToHigh());

mv.setViewName("shop");

return mv;

}

}

PurchaseController.java:-

package com.simplilearn.kitchenStoryFoods.controller;

import com.simplilearn.kitchenStoryFoods.models.Products;

import com.simplilearn.kitchenStoryFoods.models.Purchase;

import com.simplilearn.kitchenStoryFoods.models.Users;

import com.simplilearn.kitchenStoryFoods.service.ProductService;

import com.simplilearn.kitchenStoryFoods.service.PurchaseService;

import com.simplilearn.kitchenStoryFoods.service.UserService;

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

import org.springframework.stereotype.Controller;

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

import org.springframework.web.servlet.ModelAndView;

@Controller

public class PurchaseController {

@Autowired

ProductService productService;

@Autowired

UserService userService;

@Autowired

PurchaseService purchaseService;

@Autowired

HomeController homeController;

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

public ModelAndView addTOCart(@PathVariable("id")Long id){

Products product = productService.findProductById(id);

ModelAndView mv = new ModelAndView();

mv.addObject("cart",product);

mv.setViewName("cart");

return mv;

}

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

public ModelAndView addTOCheckout(@PathVariable("id")Long id){

Products product = productService.findProductById(id);

ModelAndView mv = new ModelAndView();

mv.addObject("cart",product);

mv.setViewName("checkout");

return mv;

}

@PostMapping("/payNow/{id}")

public ModelAndView generateReceipt(@PathVariable("id")Long id){

Users user = userService.findUserById(homeController.userId);

Products product = productService.findProductById(id);

Purchase purchase = new Purchase();

purchase.setName(user.getFirstName()+" "+user.getLastName());

purchase.setPrice(product.getPrice());

purchase.setProduct(product.getName());

purchase.setQuantity(1);

purchaseService.savePurchaseData(purchase);

ModelAndView mv = new ModelAndView();

mv.addObject("cart",product);

mv.setViewName("orderPlaced");

return mv;

}

}