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| **Sporty Shoes**  **(Project Source Code)** |

**Version History:**

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| --- | --- |
| Author | Jaydeep Kumar Mandal |
| Purpose | Source Code of the application |
| Date | 21st January 2021 |
| Version | 1.0 |

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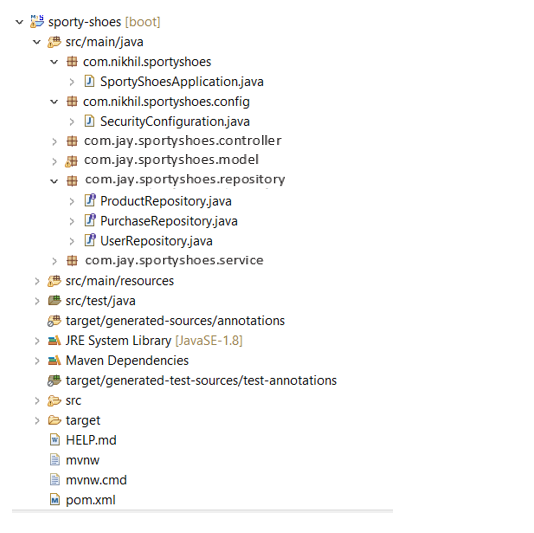
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* **Project Link**

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| Repository Name | **Sporty Shoes** |
| GitHub Link | <https://github.com/Jaydeep-K-Mandal/Sporty-Shoes> |

* **Folder Structure**



* **Source Code**

**Configuration**

# SecurityConfiguration.java

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| **package** com.jay.sportyshoes.config;  **import** org.springframework.beans.factory.annotation.Autowired;  **import** org.springframework.context.annotation.Bean;  **import** org.springframework.context.annotation.Configuration;  **import** org.springframework.security.authentication.dao.DaoAuthenticationProvider;  **import** org.springframework.security.config.annotation.authentication.builders.AuthenticationManagerBuilder;  **import** org.springframework.security.config.annotation.web.builders.HttpSecurity;  **import** org.springframework.security.config.annotation.web.configuration.EnableWebSecurity;  **import** org.springframework.security.config.annotation.web.configuration.WebSecurityConfigurerAdapter;  **import** org.springframework.security.core.userdetails.UserDetailsService;  **import** org.springframework.security.crypto.password.~~NoOpPasswordEncoder~~;  **import** org.springframework.security.crypto.password.PasswordEncoder;  **import** org.springframework.security.web.util.matcher.AntPathRequestMatcher;  @SuppressWarnings("deprecation")  @Configuration  @EnableWebSecurity  **public** **class** SecurityConfiguration **extends** WebSecurityConfigurerAdapter {  @Autowired  UserDetailsService userDetailsService;    @Bean  **public** PasswordEncoder passwordEncoder() {  **return** ~~NoOpPasswordEncoder~~.~~getInstance~~();  }    @Bean  **public** DaoAuthenticationProvider authenticationProvider()  {  DaoAuthenticationProvider auth = **new** DaoAuthenticationProvider();  auth.setUserDetailsService(userDetailsService);  auth.setPasswordEncoder(passwordEncoder());  **return** auth;  }    // authentication  @Override  **protected** **void** configure(AuthenticationManagerBuilder auth) **throws** Exception {  auth.authenticationProvider(authenticationProvider());  }    // authorization  @Override  **protected** **void** configure(HttpSecurity http) **throws** Exception {  http.authorizeRequests()  .antMatchers("/admindashboard\*\*").hasAuthority("ADMIN")  .antMatchers("/product\*\*", "/registeredusers\*\*").hasAuthority("ADMIN")  .antMatchers("/checkout").hasAnyAuthority("ADMIN","USER")  .antMatchers("/").permitAll()  .and()  .formLogin()  .loginPage("/login")  .permitAll()  .and()  .logout()  .invalidateHttpSession(**true**)  .clearAuthentication(**true**)  .logoutRequestMatcher(**new** AntPathRequestMatcher("/logout"))  .logoutSuccessUrl("/login?logout")  .permitAll();    http.cors().and().csrf().disable();  }    } |

**Controllers**

# AdminRegistrationController.java

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| **package** com.jay.sportyshoes.controller;  **import** org.springframework.beans.factory.annotation.Autowired;  **import** org.springframework.stereotype.Controller;  **import** org.springframework.ui.Model;  **import** org.springframework.web.bind.annotation.GetMapping;  **import** org.springframework.web.bind.annotation.ModelAttribute;  **import** org.springframework.web.bind.annotation.PostMapping;  **import** org.springframework.web.bind.annotation.RequestMapping;  **import** com.jay.sportyshoes.model.User;  **import** com.jay.sportyshoes.service.UserService;  @Controller  @RequestMapping("/adminregistration")  **public** **class** AdminRegistrationController {    @Autowired  **private** UserService service;    @GetMapping  **public** String adminRegistrationPage(Model model)  {  model.addAttribute("admin", **new** User());  **return** "adminregistration";  }    @PostMapping  **public** String registerAdminAccount(@ModelAttribute("admin") User user)  {  user.setRoles("ADMIN");  service.registerUser(user);  **return** "redirect:/adminregistration?success";  }  } |

# CartController.java

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| **package** com.jay.sportyshoes.controller;  **import** org.springframework.beans.factory.annotation.Autowired;  **import** org.springframework.stereotype.Controller;  **import** org.springframework.ui.Model;  **import** org.springframework.web.bind.annotation.GetMapping;  **import** org.springframework.web.bind.annotation.PathVariable;  **import** org.springframework.web.bind.annotation.RequestMapping;  **import** com.jay.sportyshoes.model.Cart;  **import** com.jay.sportyshoes.model.Product;  **import** com.jay.sportyshoes.service.ProductService;  @Controller  @RequestMapping("/cart")  **public** **class** CartController {    @Autowired  **private** ProductService service;    @GetMapping  **public** String getCartPage(Model model)  {  model.addAttribute("cartCount", Cart.*cart*.size());  model.addAttribute("total", Cart.*cart*.stream().mapToDouble(Product::getPrice).sum());  model.addAttribute("cart", Cart.*cart*);  **return** "cart";  }    @GetMapping("/{prodId}")  **public** String addToCart(@PathVariable Long prodId, Model model)  {  Cart.*cart*.add(service.getProductById(prodId));  model.addAttribute("cart", Cart.*cart*);  model.addAttribute("total", Cart.*cart*.stream().mapToDouble(Product::getPrice).sum());  model.addAttribute("cartCount", Cart.*cart*.size());  **return** "redirect:/cart";  }    @GetMapping("/delete/{index}")  **public** String removeFromCart(@PathVariable **int** index, Model model)  {  Cart.*cart*.remove(index);  model.addAttribute("cart", Cart.*cart*);  **return** "redirect:/cart";  }  } |

# HomeController.java

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| **package** com.jay.sportyshoes.controller;  **import** java.util.List;  **import** org.springframework.beans.factory.annotation.Autowired;  **import** org.springframework.stereotype.Controller;  **import** org.springframework.ui.Model;  **import** org.springframework.web.bind.annotation.GetMapping;  **import** com.jay.sportyshoes.model.Cart;  **import** com.jay.sportyshoes.model.Product;  **import** com.jay.sportyshoes.service.ProductService;  @Controller  **public** **class** HomeController {    @Autowired  **private** ProductService service;    @GetMapping("/")  **public** String home(Model model)  {  model.addAttribute("cartCount", Cart.*cart*.size());  List<Product> productlist = service.getAllProducts();  model.addAttribute("prodlist", productlist);  **return** "index";  }    @GetMapping("/login")  **public** String loginPage()  {  **return** "login";  }    @GetMapping("/admindashboard")  **public** String admin(Model model)  {  List<Product> productlist = service.getAllProducts();  model.addAttribute("prods", productlist);  **return** "admindashboard";  }  } |

# ProductController.java

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| **package** com.jay.sportyshoes.controller;  **import** org.springframework.beans.factory.annotation.Autowired;  **import** org.springframework.stereotype.Controller;  **import** org.springframework.ui.Model;  **import** org.springframework.web.bind.annotation.GetMapping;  **import** org.springframework.web.bind.annotation.ModelAttribute;  **import** org.springframework.web.bind.annotation.PathVariable;  **import** org.springframework.web.bind.annotation.PostMapping;  **import** org.springframework.web.bind.annotation.RequestMapping;  **import** com.jay.sportyshoes.model.Product;  **import** com.jay.sportyshoes.service.ProductService;  @Controller  @RequestMapping("/product")  **public** **class** ProductController  {  @Autowired  **private** ProductService service;    @GetMapping  **public** String addProductPage(Model model)  {  model.addAttribute("product", **new** Product());  **return** "addproduct";  }    @PostMapping  **public** String addProduct(@ModelAttribute("product") Product product)  {  service.addProduct(product);  **return** "redirect:/product?success";  }    @GetMapping("/{prodId}")  **public** String editProductById(@PathVariable Long prodId, Model model)  {  Product product = service.getProductById(prodId);  model.addAttribute("prod", product);  **return** "editproduct";  }    @GetMapping("/delete/{prodId}")  **public** String deleteProduct(@PathVariable("prodId") Long prodId, Model model) {  service.deleteProductById(prodId);  **return** "redirect:/admindashboard?success";  }  } |

# PurchaseController.java

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| **package** com.jay.sportyshoes.controller;  **import** java.text.SimpleDateFormat;  **import** java.util.Date;  **import** java.util.List;  **import** java.util.stream.Collectors;  **import** org.springframework.beans.factory.annotation.Autowired;  **import** org.springframework.stereotype.Controller;  **import** org.springframework.ui.Model;  **import** org.springframework.web.bind.annotation.GetMapping;  **import** com.jay.sportyshoes.model.Cart;  **import** com.jay.sportyshoes.model.Product;  **import** com.jay.sportyshoes.model.Purchase;  **import** com.jay.sportyshoes.service.MyUserDetailsService;  **import** com.jay.sportyshoes.service.PurchaseService;  @Controller  **public** **class** PurchaseController {  @Autowired  **private** MyUserDetailsService detailsService;    @Autowired  **private** PurchaseService service;    @GetMapping("/checkout")  **public** String checkout(Model model)  {  String productName = Cart.*cart*.stream().map(Product::getProductName)  .collect(Collectors.*joining*(", "));;  String purchaseDate = **new** SimpleDateFormat("dd-MM-yyyy").format(**new** Date());  **double** totalCost = Cart.*cart*.stream().mapToDouble(Product::getPrice).sum();  String user = detailsService.getLoggedInUsername();  Purchase purchase = **new** Purchase(productName, purchaseDate, totalCost , user);  service.addPurchaseDetails(purchase);  model.addAttribute("cart", Cart.*cart*);  model.addAttribute("total", Cart.*cart*.stream().mapToDouble(Product::getPrice).sum());  **return** "checkout";  }  @GetMapping("/purchasereport")  **public** String getPurchaseReport(Model model)  {  List<Purchase> purchases = service.getAllPurchaseReport();  model.addAttribute("purchases", purchases);  **return** "purchasereport";  }  } |

# RegistrationController.java

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| **package** com.jay.sportyshoes.controller;  **import** java.util.List;  **import** org.springframework.beans.factory.annotation.Autowired;  **import** org.springframework.stereotype.Controller;  **import** org.springframework.ui.Model;  **import** org.springframework.web.bind.annotation.GetMapping;  **import** org.springframework.web.bind.annotation.ModelAttribute;  **import** org.springframework.web.bind.annotation.PostMapping;  **import** com.jay.sportyshoes.model.User;  **import** com.jay.sportyshoes.service.UserService;  @Controller  **public** **class** RegistrationController {    @Autowired  **private** UserService service;    @GetMapping("/registration")  **public** String userRegistrationPage(Model model)  {  model.addAttribute("user", **new** User());  **return** "registration";  }    @PostMapping("/registration")  **public** String registerUserAccount(@ModelAttribute("user") User user)  {  user.setRoles("USER");  service.registerUser(user);  **return** "redirect:/registration?success";  }    @GetMapping("/registeredusers")  **public** String getRegisteredUsers(Model model)  {  List<User> users = service.getAllRegisteredUser();  model.addAttribute("users", users);  **return** "registeredusers";  }    } |