SportyShoes
An E-Commerce Website

Source Code

File 1: SportyshoesApplication.java

```java
package com.project.sportyshoes;


import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;


@SpringBootApplication

public class SportyshoesApplication {


    public static void main(String[] args) {

        SpringApplication.run(SportyshoesApplication.class, args);

    }

}
```

File 2: SecurityConfig.java

```java
package com.project.sportyshoes.configuration;

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

import org.springframework.context.annotation.Bean;

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

```java
import org.springframework.security.config.annotation.authentication.builders.AuthenticationManagerBuilder;

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

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

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

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

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

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

import com.project.sportyshoes.service.CustomUserDetailService;


@Configuration

@EnableWebSecurity

public class SecurityConfig extends WebSecurityConfigurerAdapter {



        @Autowired

        CustomUserDetailService customUserDetailService;



        @Override

        protected void configure(HttpSecurity http) throws Exception {


                http

                        .authorizeRequests()
```

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

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

                        .anyRequest()

                        .authenticated()

                        .and()

                        .formLogin()

                        .loginPage("/login")

                        .permitAll()

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

                        .defaultSuccessUrl("/")

                        .usernameParameter("email")

                        .passwordParameter("password")

                        .and()

                        .logout()

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

                        .logoutSuccessUrl("/login")

                        .invalidateHttpSession(true)

                        .deleteCookies("JSESSIONID")

                        .and()

                        .exceptionHandling()

                        .and()

                        .csrf()

                        .disable();


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

```java
        }


    @Bean

    public BCryptPasswordEncoder bCryptPasswordEncoder() {

            return new BCryptPasswordEncoder();

    }


    @Override

    protected void configure(AuthenticationManagerBuilder auth) throws Exception {


            auth.userDetailsService(customUserDetailService);



    }



    @Override

    public void configure(WebSecurity web) throws Exception {



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

                    ;

    }
}
```

File 3: AdminController.java

```java
package com.project.sportyshoes.controller;

import java.io.IOException;
```

```java
import java.nio.file.Files;

import java.nio.file.Path;

import java.nio.file.Paths;

import java.util.ArrayList;

import java.util.List;

import java.util.Optional;


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

import org.springframework.stereotype.Controller;

import org.springframework.ui.Model;

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

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

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

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

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

import org.springframework.web.multipart.MultipartFile;


import com.project.sportyshoes.dto.ProductDTO;

import com.project.sportyshoes.global.PurchaseReport;

import com.project.sportyshoes.model.Category;

import com.project.sportyshoes.model.Product;

import com.project.sportyshoes.model.Purchase;

import com.project.sportyshoes.model.User;

import com.project.sportyshoes.repository.UserRepository;

import com.project.sportyshoes.service.CategoryService;

import com.project.sportyshoes.service.ProductService;
```

```java
import com.project.sportyshoes.service.PurchaseService;

@Controller
public class AdminController {

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

    @Autowired
    CategoryService categoryService;

    @Autowired
    ProductService productService;

    @Autowired
    PurchaseService purchaseService;

    @Autowired
    UserRepository userRepository;

    @GetMapping("/admin")
    public String adminHome() {

            return "adminHome";
    }
```

```java
@GetMapping("/admin/categories")
public String getCat(Model model) {

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

        return "categories";

}


@GetMapping("/admin/categories/add")
public String getCatAdd(Model model) {

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

        return "categoriesAdd";

}


@PostMapping("/admin/categories/add")
public String postCatAdd(@ModelAttribute("category") Category category) {

        categoryService.addCategory(category);

        return "redirect:/admin/categories";

}


@GetMapping("/admin/categories/delete/{id}")
public String deleteCat(@PathVariable int id) {


        categoryService.removeCategoryById(id);


        return "redirect:/admin/categories";

}
```

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

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


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


        if(category.isPresent()) {

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

                return "categoriesAdd";

        }else {

                return "404";

        }

    }
// Product Section

    @GetMapping("/admin/products")

    public String showProducts(Model model) {


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


        return "products";

    }

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

    public String addProduct(Model model) {
```

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

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

        return "productsAdd";

    }



    @PostMapping("/admin/products/add")
    public String productAddPost(@ModelAttribute ("productDTO") ProductDTO
productDTO ,

    @RequestParam("productImage") MultipartFile file,

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


        Product product = new Product();


        product.setId(productDTO.getId());

        product.setName(productDTO.getName());


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

        product.setPrice(productDTO.getPrice());

        product.setWeight(productDTO.getWeight());

        product.setDescription(productDTO.getDescription());

        String imageUUID;

        if (!file.isEmpty()) {

            imageUUID = file.getOriginalFilename();

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

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

        }else {


            imageUUID = imgName;

        }



        product.setImageName(imageUUID);

        productService.addProduct(product);




        return "redirect:/admin/products";



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

public String deleteProd(@PathVariable long id) {



        productService.removeProductById(id);



        return "redirect:/admin/products";

}



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

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

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

```java
        ProductDTO productDTO = new ProductDTO();

        productDTO.setId(product.getId());

        productDTO.setName(product.getName());

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

        productDTO.setPrice(product.getPrice());

        productDTO.setWeight(product.getWeight());

        productDTO.setDescription(product.getDescription());

        productDTO.setImageName(product.getImageName());


        model.addAttribute("productDTO" , productDTO);

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


        return "productsAdd";
}
//Purchase Report
@GetMapping("/admin/purchaseReport")
public String purchaseReport(Model model) {


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



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



        for(Purchase pur : purchaseList) {

                Product product = new Product();
```

```java
User user = new User();

Category category = new Category();

PurchaseReport purchaseReport =  new PurchaseReport();

Long productId = pur.getProductId();

int userId = pur.getUserId();



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

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

category = product.getCategory();



purchaseReport.setEmail(user.getEmail());

purchaseReport.setName(user.getFirstName());

purchaseReport.setProductId(product.getId());

purchaseReport.setProductName(product.getName());

purchaseReport.setPrice(product.getPrice());

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

purchaseReport.setCategory(category.getName());

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



purchaseReportList.add(purchaseReport);


}

model.addAttribute("puchaseList" , purchaseReportList);

return "purchaseReport";

}
```

```java
    @GetMapping("/admin/users")

    public String listUsers(Model model) {

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

            model.addAttribute("userlist" , userList);



            return "userList";

    }

}
```

File 4: CartController.java

```java
package com.project.sportyshoes.controller;

import java.time.LocalDate;
import java.util.ArrayList;
import java.util.List;
import java.util.Random;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.security.core.Authentication;
import org.springframework.security.core.context.SecurityContextHolder;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;

import com.project.sportyshoes.global.GlobalData;
import com.project.sportyshoes.model.Product;
import com.project.sportyshoes.model.Purchase;
import com.project.sportyshoes.model.User;
import com.project.sportyshoes.repository.PurchaseRepository;
import com.project.sportyshoes.repository.UserRepository;
import com.project.sportyshoes.service.ProductService;

@Controller
public class CartController {

        @Autowired
        ProductService productService;
```

```java
@Autowired
UserRepository userRepository;

@Autowired
PurchaseRepository purchaseRepository;

@GetMapping("/addToCart/{id}")
public String addToCart(@PathVariable int id) {
        GlobalData.cart.add(productService.getProductById(id).get());
        return "redirect:/shop";
}

@GetMapping("/cart")
public String cartGet(Model model) {
        model.addAttribute("cartCount" , GlobalData.cart.size());
        model.addAttribute("total" ,
GlobalData.cart.stream().mapToDouble(Product::getPrice).sum());
        model.addAttribute("cart" , GlobalData.cart);
        return "cart";



}

@GetMapping("/cart/removeItem/{index}")
public String cartItemRemove(@PathVariable int index) {
        GlobalData.cart.remove(index);
        return "redirect:/cart";
}

@GetMapping("/checkout")
public String checkout(Model model) {
        model.addAttribute("total" ,
GlobalData.cart.stream().mapToDouble(Product::getPrice).sum());
        return "checkout";
}

@PostMapping("/payNow")
public String orderConfirmation(Model model) {
        model.addAttribute("total" ,
GlobalData.cart.stream().mapToDouble(Product::getPrice).sum());
        Authentication auth =
SecurityContextHolder.getContext().getAuthentication();
        String currentPrincipalName = auth.getName();

        List<Purchase>purchaseList = new ArrayList<Purchase>();
        //System.out.println(currentPrincipalName);
        User user = userRepository.findUserByEmail(currentPrincipalName).get();
        for(Product product: GlobalData.cart) {
                Purchase purchase = new Purchase();
                //System.out.println(product.getId() + " " + product.getName());
```

```java
                    purchase.setProductId(product.getId());
                    purchase.setUserId(user.getId());
                    purchase.setOrderDate(LocalDate.now());
                    purchaseList.add(purchase);
            }

            int n = 10000 + new Random().nextInt(90000);
            model.addAttribute("Reciept" , n);
            //System.out.println(purchaseList.toString());
            model.addAttribute("products" , GlobalData.cart);
            purchaseRepository.saveAll(purchaseList);

            return "orderPlaced";
    }


}
```

File 5: HomeController.java

package com.project.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 com.project.sportyshoes.global.GlobalData;
import com.project.sportyshoes.service.CategoryService;
import com.project.sportyshoes.service.ProductService;

@Controller
public class HomeController {

        @Autowired
        CategoryService categoryService;

        @Autowired
        ProductService productService;

        @GetMapping({"/" , "/home"})
        public String home(Model model) {
                model.addAttribute("cartCount" , GlobalData.cart.size());
                return "index";
        }

        @GetMapping("/shop")
        public String shop(Model model) {

```java
                model.addAttribute("cartCount" , GlobalData.cart.size());
                model.addAttribute("categories" , categoryService.getAllCategories());
                model.addAttribute("products" , productService.getAllProducts());

                return "shop";
        }

        @GetMapping("/shop/category/{id}")
        public String shopByCategory(Model model , @PathVariable int id) {
                model.addAttribute("cartCount" , GlobalData.cart.size());
                model.addAttribute("categories" , categoryService.getAllCategories());
                model.addAttribute("products" ,
productService.getAllProductsByCategoryId(id));

                return "shop";
        }

        @GetMapping("/shop/viewproduct/{id}")
        public String viewProduct(Model model , @PathVariable long id) {
                model.addAttribute("product" , productService.getProductById(id).get());
                model.addAttribute("cartCount" , GlobalData.cart.size());
                return "viewProduct";
        }


}
```

File 6: LoginController.java

```java
package com.project.sportyshoes.controller;

import java.util.ArrayList;
import java.util.List;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServletRequest;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.security.crypto.bcrypt.BCryptPasswordEncoder;
import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.PostMapping;

import com.project.sportyshoes.global.GlobalData;
import com.project.sportyshoes.model.Role;
import com.project.sportyshoes.model.User;
import com.project.sportyshoes.repository.RoleRepository;
import com.project.sportyshoes.repository.UserRepository;
```

```java
@Controller
public class LoginController {

        @Autowired
        private BCryptPasswordEncoder bCryptPasswordEncoder;

        @Autowired
        UserRepository userRepository;

        @Autowired
        RoleRepository roleRepository;

        @GetMapping("/login")
        public String login() {
                GlobalData.cart.clear();
                return "login";
        }

        @GetMapping("/register")
        public String registerGet() {
                return "register";
        }

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

                String passoword = user.getPassword();

                user.setPassword(bCryptPasswordEncoder.encode(passoword));
                List<Role>roles = new ArrayList<Role>();
                roles.add(roleRepository.findById(2).get());
                user.setRoles(roles);
                userRepository.save(user);
                request.login(user.getEmail(), passoword);
                return "redirect:/";

        }

}
```

File 7: ProductDTO.java

```java
package com.project.sportyshoes.dto;

public class ProductDTO {

        private Long id;
```

```java
private String name;
private int categoryId;
private double price;
private double weight;
private String description;
private String imageName;

public Long getId() {
        return id;
}

public void setId(Long id) {
        this.id = id;
}

public String getName() {
        return name;
}

public void setName(String name) {
        this.name = name;
}

public int getCategoryId() {
        return categoryId;
}

public void setCategoryId(int categoryId) {
        this.categoryId = categoryId;
}

public double getPrice() {
        return price;
}

public void setPrice(double price) {
        this.price = price;
}

public double getWeight() {
        return weight;
}

public void setWeight(double weight) {
        this.weight = weight;
}

public String getDescription() {
        return description;
}
```

```java
        public void setDescription(String description) {
                this.description = description;
        }

        public String getImageName() {
                return imageName;
        }

        public void setImageName(String imageName) {
                this.imageName = imageName;
        }

}
```

File 8: GlobalData.java

```java
package com.project.sportyshoes.global;

import java.util.ArrayList;
import java.util.List;

import com.project.sportyshoes.model.Product;

public class GlobalData {

        public static List<Product>cart;

        static {
                cart = new ArrayList<Product>();
        }



}
```

File 9: PurchaseReport.java

```java
package com.project.sportyshoes.global;

import org.springframework.stereotype.Component;

@Component
public class PurchaseReport {

        private String email;

        private String name;
```

```java
private Long productId;

private String productName;

private double price;

private String date;

private String category;

public String getCategory() {
        return category;
}

public void setCategory(String category) {
        this.category = category;
}

public String getEmail() {
        return email;
}

public void setEmail(String email) {
        this.email = email;
}

public String getName() {
        return name;
}

public void setName(String name) {
        this.name = name;
}

public Long getProductId() {
        return productId;
}

public void setProductId(Long productId) {
        this.productId = productId;
}

public String getProductName() {
        return productName;
}

public void setProductName(String productName) {
        this.productName = productName;
}
```

```java
        public double getPrice() {
                return price;
        }

        public void setPrice(double price) {
                this.price = price;
        }

        public String getDate() {
                return date;
        }

        public void setDate(String date) {
                this.date = date;
        }




}
```

File 10: Category.java


```java
package com.project.sportyshoes.model;

import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;

@Entity
public class Category {

        @Id
        @GeneratedValue(strategy = GenerationType.AUTO)
        @Column(name = "category_id")
        private int id;

        private String name;

        public int getId() {
                return id;
        }

        public void setId(int id) {
                this.id = id;
        }
```

```java
public String getName() {
        return name;
}

public void setName(String name) {
        this.name = name;
}
}
```

File 11: CustomUserDetail

```java
package com.project.sportyshoes.model;

import java.util.ArrayList;
import java.util.Collection;
import java.util.List;

import org.springframework.security.core.GrantedAuthority;
import org.springframework.security.core.authority.SimpleGrantedAuthority;
import org.springframework.security.core.userdetails.UserDetails;

public class CustomUserDetail extends User implements UserDetails {

        public CustomUserDetail(User user) {
                super(user);
        }

        @Override
        public Collection<? extends GrantedAuthority> getAuthorities() {

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

                super.getRoles().forEach(role -> {
                        authorityList.add(new SimpleGrantedAuthority(role.getName()));
                });

                return authorityList;
        }

        @Override
        public String getPassword() {
                // TODO Auto-generated method stub
                return super.getPassword();
        }

        @Override
        public String getUsername() {
                // TODO Auto-generated method stub
```

```java
            return super.getEmail();
        }

        @Override
        public boolean isAccountNonExpired() {
            // TODO Auto-generated method stub
            return true;
        }

        @Override
        public boolean isAccountNonLocked() {
            // TODO Auto-generated method stub
            return true;
        }

        @Override
        public boolean isCredentialsNonExpired() {
            // TODO Auto-generated method stub
            return true;
        }

        @Override
        public boolean isEnabled() {
            // TODO Auto-generated method stub
            return true;
        }

}
```

File 12: Product.java

```java
package com.project.sportyshoes.model;

import javax.persistence.Entity;
import javax.persistence.FetchType;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
import javax.persistence.JoinColumn;
import javax.persistence.ManyToOne;


@Entity
public class Product {

        @Id
        @GeneratedValue(strategy = GenerationType.AUTO)
        private Long id;
```

```java
        private String name;


        @ManyToOne(fetch = FetchType.LAZY)
        @JoinColumn(name = "category_id" , referencedColumnName = "category_id")
        private Category category;

        private double price;

        private double weight;

        private String description;

        private String imageName;

        public Long getId() {
                return id;
        }

        public void setId(Long id) {
                this.id = id;
        }

        public String getName() {
                return name;
        }

        public void setName(String name) {
                this.name = name;
        }

        public Category getCategory() {
                return category;
        }

        public void setCategory(Category category) {
                this.category = category;
        }

        public double getPrice() {
                return price;
        }

        public void setPrice(double price) {
                this.price = price;
        }

        public double getWeight() {
                return weight;
```

```java
        }

        public void setWeight(double weight) {
                this.weight = weight;
        }

        public String getDescription() {
                return description;
        }

        public void setDescription(String description) {
                this.description = description;
        }

        public String getImageName() {
                return imageName;
        }

        public void setImageName(String imageName) {
                this.imageName = imageName;
        }


}
```

File 12: Purchase.java

package com.project.sportyshoes.model;

import java.time.LocalDate;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

@Entity

public class Purchase {

    @Id

    @GeneratedValue(strategy = GenerationType.SEQUENCE)

    private long id;

    private int userId;

    private Long productId;

    @Column(name = "order_date")

    private LocalDate orderDate;

    public long getId() {

        return id;

    }

    public void setId(long id) {

```java
        this.id = id;

    }


    public int getUserId() {

        return userId;

    }


    public void setUserId(int userId) {

        this.userId = userId;

    }


    public Long getProductId() {

        return productId;

    }


    public void setProductId(Long productId) {

        this.productId = productId;

    }

    public LocalDate getOrderDate() {

        return orderDate;

    }

    public void setOrderDate(LocalDate orderDate) {

        this.orderDate = orderDate;

    }

}
```

File 13: Role.java

```java
package com.project.sportyshoes.model;

import java.util.List;

import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
import javax.persistence.ManyToMany;
import javax.persistence.Table;
import javax.validation.constraints.NotEmpty;

@Entity
@Table(name = "roles")
public class Role {

        @Id
        @GeneratedValue(strategy = GenerationType.AUTO)
        private Integer id;

        @Column(nullable = false , unique = true)
        @NotEmpty
        private String name;

        @ManyToMany(mappedBy = "roles")
        private List<User>users;

        public Integer getId() {
                return id;
        }

        public void setId(Integer id) {
                this.id = id;
        }

        public String getName() {
                return name;
        }

        public void setName(String name) {
                this.name = name;
        }

        public List<User> getUsers() {
                return users;
        }
```

```java
        public void setUsers(List<User> users) {
                this.users = users;
        }

}
```

File 14: User.java

```java
package com.project.sportyshoes.model;

import java.util.List;

import javax.persistence.CascadeType;
import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.FetchType;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
import javax.persistence.JoinColumn;
import javax.persistence.JoinTable;
import javax.persistence.ManyToMany;
import javax.persistence.Table;
import javax.validation.constraints.Email;
import javax.validation.constraints.NotEmpty;

@Entity
@Table(name = "users")
public class User {

        @Id
        @GeneratedValue(strategy = GenerationType.AUTO)
        private Integer id;

        @NotEmpty
        @Column(nullable = false)
        private String firstName;


        private String lastName;

        @NotEmpty
        @Column(nullable = false , unique = true)
        @Email(message = "{errors.invalid_email}")
        private String email;

        private String password;

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

```java
                name = "user_role",
                joinColumns = {@JoinColumn( name = "USER_ID" ,
referencedColumnName = "ID" )},
                inverseJoinColumns = {@JoinColumn( name = "ROLE_ID" ,
referencedColumnName = "ID" )}

                )
    private List<Role>roles;

    public Integer getId() {
            return id;
    }

    public void setId(Integer id) {
            this.id = id;
    }

    public String getFirstName() {
            return firstName;
    }

    public void setFirstName(String firstName) {
            this.firstName = firstName;
    }

    public String getLastName() {
            return lastName;
    }

    public void setLastName(String lastName) {
            this.lastName = lastName;
    }

    public String getEmail() {
            return email;
    }

    public void setEmail(String email) {
            this.email = email;
    }

    public String getPassword() {
            return password;
    }

    public void setPassword(String passsword) {
            this.password = passsword;
    }
```

```java
        public List<Role> getRoles() {
                return roles;
        }

        public void setRoles(List<Role> roles) {
                this.roles = roles;
        }

        public User(User user) {
                super();
                this.firstName = user.getFirstName();
                this.lastName = user.getLastName();
                this.email = user.getEmail();
                this.password = user.getPassword();
                this.roles = user.getRoles();
        }

        public User() {}

}
```

File 15: CategoryRepository.java

```java
package com.project.sportyshoes.repository;

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

import com.project.sportyshoes.model.Category;

public interface CategoryRepository extends JpaRepository<Category, Integer> {


}
```

File 16: ProductRepository.java

```java
package com.project.sportyshoes.repository;

import java.util.List;

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

import com.project.sportyshoes.model.Product;

public interface ProductRepository extends JpaRepository<Product, Long> {

        List<Product> findAllByCategory_Id(int id);
```

}

File 17: PurchaseRepository.java

package com.project.sportyshoes.repository;

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

import com.project.sportyshoes.model.Purchase;

public interface PurchaseRepository extends JpaRepository<Purchase, Long> {

}

File 18: RoleRepository.java

package com.project.sportyshoes.repository;

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

import com.project.sportyshoes.model.Role;

public interface RoleRepository extends JpaRepository<Role, Integer> {

}

File 19: UserRepository.java

package com.project.sportyshoes.repository;

import java.util.Optional;

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

import com.project.sportyshoes.model.User;

public interface UserRepository extends JpaRepository<User, Integer> {

        Optional<User>findUserByEmail(String email);

}

File 20: CategoryService.java

package com.project.sportyshoes.service;

import java.util.List;
import java.util.Optional;

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

import com.project.sportyshoes.model.Category;
import com.project.sportyshoes.repository.CategoryRepository;

```java
@Service
public class CategoryService {

        @Autowired
        CategoryRepository categoryRepository;

        public List<Category> getAllCategories(){

                return categoryRepository.findAll();

        }

        public void addCategory(Category category) {

                categoryRepository.save(category);
        }

        public void removeCategoryById(int id) {
                categoryRepository.deleteById(id);
        }


        public Optional<Category> getCatById(int id) {

                return categoryRepository.findById(id);

        }

}
```

File 20: CustomUserDetailService.java

package com.project.sportyshoes.service;

```java
import java.util.Optional;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.security.core.userdetails.UserDetails;
import org.springframework.security.core.userdetails.UserDetailsService;
import org.springframework.security.core.userdetails.UsernameNotFoundException;
import org.springframework.stereotype.Service;

import com.project.sportyshoes.model.CustomUserDetail;
import com.project.sportyshoes.model.User;
import com.project.sportyshoes.repository.UserRepository;
@Service
public class CustomUserDetailService implements UserDetailsService {

        @Autowired
        UserRepository userRepository;


        @Override
        public UserDetails loadUserByUsername(String username) throws
UsernameNotFoundException {

                Optional<User> user = userRepository.findUserByEmail(username);
                user.orElseThrow(() -> new UsernameNotFoundException("User Not
Found"));
                return user.map(CustomUserDetail::new).get();


        }

}
```

File 20: ProductService.java

```java
package com.project.sportyshoes.service;

import java.util.List;
import java.util.Optional;

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

import com.project.sportyshoes.model.Product;
import com.project.sportyshoes.repository.ProductRepository;

@Service
public class ProductService {
```

```java
    @Autowired
    ProductRepository productRepository;

    public List<Product> getAllProducts(){

            return productRepository.findAll();

    }

    public void addProduct(Product product) {

            productRepository.save(product);

    }

    public void removeProductById(long id) {

            productRepository.deleteById(id);
    }

    public Optional<Product> getProductById(long id){
            return productRepository.findById(id);
    }

    public List<Product> getAllProductsByCategoryId(int id){
            return productRepository.findAllByCategory_Id(id);

    }



}
```

File 21: PurchaseService.java

```java
package com.project.sportyshoes.service;

import java.util.List;

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

import com.project.sportyshoes.model.Purchase;
import com.project.sportyshoes.repository.PurchaseRepository;

@Service
public class PurchaseService {
```

```java
@Autowired
PurchaseRepository purchaseRepository;

public List<Purchase> getAllPurchases(){

        return purchaseRepository.findAll();

    }

}
```

File 22: SportyshoesApplicationTests.java

```java
package com.project.sportyshoes;

import org.junit.jupiter.api.Test;
import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest
class SportyshoesApplicationTests {

        @Test
        void contextLoads() {
        }

}
```

File 23: adminHome.html

```html
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
      content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
      integrity="sha384-
lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
  <title>SportyShoes</title>
```

```html
</head>
<body>
<nav class="navbar navbar-expand-lg navbar-light bg-light" >
    <div class="container-fluid">
        <a class="navbar-brand" href="#">
            <img th:src="@{/images/logo.jpg}"  src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
            SportyShoes.com
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto"></ul>
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/admin}" href="#">Admin-Home</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/logout}" href="#">Logout</a>
                </li>

            </ul>

        </div>
    </div>
</nav>
<div class="jumbotron text-center">
    <h1 class="display-4">Welcome back, Admin</h1>
    <p>Easily manage your data from this admin <mark>CMS</mark></p>
</div>
<div class="container-fluid">
    <div class="row">
        <div class="col-sm-3 pt-3" >
            <div class="card" style="background-color:white;">
                <div class="card-body">
                    <h4 class="card-title">Categories</h4>
                    <p class="card-text">Manage the categories section here.</p>
                    <a href="#" th:href="@{/admin/categories}" class="card-link btn btn-
primary">Manage</a>

                </div>
            </div>
        </div>
        <div class="col-sm-3 pt-3" >
            <div class="card" style="background-color:white;">
                <div class="card-body">
                    <h4 class="card-title">Products</h4>
```

```html
                    <p class="card-text">Manage all the products here.</p>
                    <a href="#" th:href="@{/admin/products}" class="card-link btn btn-
primary">Manage</a>

                </div>
            </div>
        </div>

        <div class="col-sm-3 pt-3" >
            <div class="card" style="background-color:white;">
                <div class="card-body">
                    <h4 class="card-title">Registered Users</h4>
                    <p class="card-text">See All Registered Users Here.</p>
                    <a href="#" th:href="@{/admin/users}" class="card-link btn btn-primary">List
Users</a>

                </div>
            </div>
        </div>

        <div class="col-sm-3 pt-3" >
            <div class="card" style="background-color:white;">
                <div class="card-body">
                    <h4 class="card-title">Purchase Report</h4>
                    <p class="card-text">See Purchase Report Here</p>
                    <a href="#" th:href="@{/admin/purchaseReport}" class="card-link btn btn-
primary">Purchase Report</a>

                </div>
            </div>
        </div>

    </div>
</div>



<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
</body>
</html>
```

File 23: cart.html

```html
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org"
    xmlns:sec="http://www.thymeleaf.org/thymeleaf-extras-springsecurity3">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.11.2/css/all.css">

    <title>Sporty Shoes</title>
</head>
<body>


<nav class="navbar navbar-expand-lg navbar-light bg-light" >
    <div class="container-fluid">
        <a class="navbar-brand" href="#">
            <img th:src="@{/images/logo.jpg}" src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
            SportyShoes.com
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto"></ul>
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/}" href="#">Home</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/shop}" href="#">Shop</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" sec:authorize="isAnonymous()" th:href="@{/login}"
href="#">Login</a>
                </li>
                <li class="nav-item active">
```

```html
          <a class="nav-link" sec:authorize="isAuthenticated()" th:href="@{/logout}"
href="#">Logout</a>
          </li>
          <li class="nav-item active">
            <a class="nav-link" th:href="@{/cart}" href="#">Cart</a>
          </li>
          <li class="nav-item active">
            <span class="nav-link" th:text="${cartCount}">0</span>
          </li>
        </ul>

      </div>
    </div>
</nav>
<main>
  <div class="container">

    <!--Section: Block Content-->
    <section class="mt-5 mb-4">

      <!--Grid row-->
      <div class="row">

        <!--Grid column-->
        <div class="col-lg-8">

          <!-- Card -->
          <div class="card wish-list mb-4">
            <div class="card-body">

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

              <div class="row mb-4" th:each="item, iStat : ${cart}">
                <div class="col-md-5 col-lg-3 col-xl-3">
                  <div class="mb-3 mb-md-0">
                    <img class="img-fluid w-100"
                      th:src="@{${'/productImages/' + item.imageName}}"
src="https://mdbootstrap.com/img/Photos/Horizontal/E-commerce/Vertical/12a.jpg" alt="Sample">

                  </div>
                </div>
                <div class="col-md-7 col-lg-9 col-xl-9">
                  <div>
                    <div class="d-flex justify-content-between">
                      <div>
                        <h5 th:text="${item.name}">Blue denim shirt</h5>
                        <p class="mb-3 text-uppercase small">Weight: <span th:text="$
{item.weight}"></span> grams</p>
<!--                        <p class="mb-2 text-uppercase small">Category: <span
th:text="${item.category.name}"></span></p>-->
```

```html
                        </div>

                      </div>
                      <div class="mt-5 d-flex justify-content-between align-items-center">
                        <div>
                          <a href="#!" th:href="@{/cart/removeItem/{index}(index=$
{iStat.index})}"  type="button" class="card-link-secondary small text-uppercase mr-3"><i
                              class="fas fa-trash-alt mr-1"></i> Remove item </a>

                        </div>
                        <p class="mb-0"><span><strong>₹<span th:text="$
{item.price}"></span></strong></span></p>
                      </div>
                    </div>
                  </div>
                </div>
                <hr class="mb-4">

                <p class="text-primary mb-0"><i class="fas fa-info-circle mr-1"></i> Do not
delay the purchase, adding
                  items to your cart does not mean booking them.</p>

              </div>
            </div>



        </div>
        <!--Grid column-->

        <!--Grid column-->
        <div class="col-lg-4">

          <!-- Card -->
          <div class="card mb-4">
            <div class="card-body">

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

              <ul class="list-group list-group-flush">
                <li class="list-group-item d-flex justify-content-between align-items-center
border-0 px-0 pb-0">
                  Amount Payable
                  <span>₹<span th:text="${total}"></span></span>
                </li>
                <li class="list-group-item d-flex justify-content-between align-items-center px-
0">

                  Shipping
                  <span>Gratis</span>
```

```html
                    </li>
                    <li class="list-group-item d-flex justify-content-between align-items-center border-0 px-0 mb-3">
                        <div>
                            <strong>The total amount of</strong>
                            <strong>
                                <p class="mb-0">(including VAT)</p>
                            </strong>
                        </div>
                        <span><strong>₹<span th:text="${total}"></span></strong></span>
                    </li>
                </ul>

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

            </div>
        </div>
        <!-- Card -->

        <!-- Card -->
        <div class="card mb-4">
            <div class="card-body">

                <a class="dark-grey-text d-flex justify-content-between" data-toggle="collapse" href="#collapseExample"
                    aria-expanded="false" aria-controls="collapseExample">
                    Add a discount code (optional)
                    <span><i class="fas fa-chevron-down pt-1"></i></span>
                </a>

                <div class="collapse" id="collapseExample">
                    <div class="mt-3">
                        <div class="md-form md-outline mb-0">
                            <input type="text" id="discount-code" class="form-control font-weight-light"
                                placeholder="Enter discount code">
                        </div>
                    </div>
                </div>
            </div>
        </div>
        <!-- Card -->

    </div>
    <!--Grid column-->

</div>
<!--Grid row-->
```

```html
      </section>
      <!--Section: Block Content-->

    </div>
</main>
<!--Main layout-->




<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
</body>
</html>
```

File 24: categories.html

```html
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
     content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
     integrity="sha384-
lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
  <title>Sporty Shoes</title>
</head>
<body>
<nav class="navbar navbar-expand-lg navbar-light bg-light" >
  <div class="container-fluid">
    <a class="navbar-brand" href="#">
      <img th:src="@{/images/logo.jpg}"  src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
```

```html
                    SportyShoes.com
            </a>
            <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>

            <div class="collapse navbar-collapse" id="navbarSupportedContent">
                <ul class="navbar-nav mr-auto"></ul>
                <ul class="navbar-nav">
                    <li class="nav-item active">
                        <a class="nav-link" th:href="@{/admin}" href="#">Admin-Home</a>
                    </li>
                    <li class="nav-item active">
                        <a class="nav-link" th:href="@{/logout}" href="#">Logout</a>
                    </li>

                </ul>

            </div>
        </div>
</nav>
<div class="container">

    <a th:href="@{/admin/categories/add}" style="margin: 20px 0" class="btn btn-primary">Add
Category</a>
    <table class="table">
        <thead class="thead-light">
        <tr>
            <th scope="col">SN</th>
            <th scope="col">Category Name</th>
            <th scope="col">Delete</th>
            <th scope="col">Update</th>
        </tr>
        </thead>
        <tbody>

        <tr th:each="category, iStat : ${categories}">
            <th scope="row" th:text="${iStat.index + 1}">1</th>
            <td th:text="${category.name}">Larry</td>

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

        </tr>
        </tbody>
    </table>
</div>
```

```
<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
</body>
</html>
```

File 25: categoriesAdd.html

```
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
        integrity="sha384-
lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
    <title>Sporty Shoes</title>
</head>
<body>
<nav class="navbar navbar-expand-lg navbar-light bg-light" >
    <div class="container-fluid">
        <a class="navbar-brand" href="#">
            <img th:src="@{/images/logo.jpg}"  src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
            SportyShoes.com
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
```

```html
        <div class="collapse navbar-collapse" id="navbarSupportedContent">
          <ul class="navbar-nav mr-auto"></ul>
          <ul class="navbar-nav">
            <li class="nav-item active">
              <a class="nav-link" th:href="@{/admin}" href="#">Admin-Home</a>
            </li>
            <li class="nav-item active">
              <a class="nav-link" th:href="@{/logout}" href="#">Logout</a>
            </li>

          </ul>

        </div>
      </div>
    </nav>
<div class="container">
  <div class="row">
    <div class="col-sm-4">
      <form th:action="@{/admin/categories/add}" method="post" th:object="${category}">
        <input type="hidden" name="id"  th:field="*{id}">
        <div class="form-group">
          <label for="name">Name</label>
          <input type="text" class="form-control" required th:field="*{name}" name="name"
id="name"  placeholder="Enter name">

        </div>

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


<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
</body>
</html>
```

File 27: checkout.html

```html
<!doctype html>
```

```html
<html lang="en" xmlns:th="http://www.thymeleaf.org"
    xmlns:sec="http://www.thymeleaf.org/thymeleaf-extras-springsecurity3">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.11.2/css/all.css">

    <title>Sporty Shoes</title>
</head>
<body>


<nav class="navbar navbar-expand-lg navbar-light bg-light" >
    <div class="container-fluid">
        <a class="navbar-brand" href="#">
            <img th:src="@{/images/logo.jpg}"  src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
            SportyShoes.com
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto"></ul>
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/}" href="#">Home</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/shop}" href="#">Shop</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" sec:authorize="isAnonymous()" th:href="@{/login}"
href="#">Login</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" sec:authorize="isAuthenticated()" th:href="@{/logout}"
href="#">Logout</a>
                </li>
                <li class="nav-item active">
```

```html
            <a class="nav-link" th:href="@{/cart}" href="#">Cart</a>
          </li>
          <li class="nav-item active">
            <span class="nav-link" th:text="${cartCount}">0</span>
          </li>
        </ul>

    </div>
  </div>
</nav>
<div class="container">

  <!--Section: Block Content-->
  <section class="mt-5 mb-4">

    <!--Grid row-->
    <div class="row">

      <!--Grid column-->
      <div class="col-lg-8 mb-4">

        <!-- Card -->
        <div class="card wish-list pb-1">
          <div class="card-body">

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

            <!-- Grid row -->
            <div class="row">

              <!-- Grid column -->
              <div class="col-lg-6">

                <!-- First name -->
                <div class="md-form md-outline mb-0 mb-lg-4">
                  <label for="firstName">First name</label>
                  <input type="text" id="firstName" required class="form-control mb-0 mb-lg-2">
                </div>

              </div>
              <!-- Grid column -->

              <!-- Grid column -->
              <div class="col-lg-6">

                <!-- Last name -->
                <div class="md-form md-outline">
                  <label for="lastName">Last name</label>
                  <input type="text" id="lastName" required class="form-control">
                </div>
```

```html
        </div>
        <!-- Grid column -->

    </div>
    <!-- Grid row -->



    <!-- Country -->
    <div class="d-flex flex-wrap">
        <div class="select-outline position-relative w-100">
            <label>Country - <strong>INDIA</strong></label>



        </div>
    </div>

    <!-- Address Part 1 -->
    <div class="md-form md-outline mt-2">
        <label for="form14">Address (Line 1)</label>
        <input type="text" required id="form14" placeholder="House number and street
name" class="form-control">
    </div>

    <!-- Address Part 2 -->
    <div class="md-form md-outline mt-2">
        <label for="form15">Address (Line 2)</label>
        <input type="text" id="form15" placeholder="Apartment, suite, unit etc.
(optional)"

            class="form-control">
    </div>

    <!-- Postcode / ZIP -->
    <div class="md-form md-outline mt-3">
        <label for="form16">Postcode / ZIP</label>
        <input type="text" maxlength="6" minlength="6" required id="form16"
class="form-control">
    </div>

    <!-- Town / City -->
    <div class="md-form md-outline mt-2">
        <label for="form17">Town / City</label>
        <input type="text" required id="form17" class="form-control">

    </div>

    <!-- Phone -->
    <div class="md-form md-outline mt-2">
        <label for="form18">Phone</label>
```

```html
                    <input type="number" minlength="10" maxlength="10" required id="form18"
class="form-control">
                </div>

                <!-- Email address -->
                <div class="md-form md-outline mt-2">
                    <label for="form19">Email address</label>
                    <input type="email" required id="form19" class="form-control">
                </div>

                <!-- Additional information -->
                <div class="md-form md-outline mt-2">
                    <label for="form76">Additional information</label>
                    <textarea id="form76" class="md-textarea form-control" rows="4"></textarea>
                </div>



        </div>
    </div>
    <!-- Card -->

</div>
<!--Grid column-->

<!--Grid column-->
<div class="col-lg-4">

    <!-- Card -->
    <div class="card mb-4">
        <div class="card-body">

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

            <ul class="list-group list-group-flush">
                <li class="list-group-item d-flex justify-content-between align-items-center
border-0 px-0 pb-0">
                    Amount Payable
                    <span>₹<span th:text="${total}"></span></span>
                </li>
                <li class="list-group-item d-flex justify-content-between align-items-center px-
0">

                    Shipping
                    <span>Gratis</span>
                </li>
                <li class="list-group-item d-flex justify-content-between align-items-center
border-0 px-0 mb-3">
                    <div>
                        <strong>The total amount of</strong>
                        <strong>
                            <p class="mb-0">(including VAT)</p>
```

```html
                    </strong>
                </div>
                <span><strong>₹<span th:text="${total}"></span></strong></span>
            </li>
        </ul>

        <form action="" method="post" th:action="@{/payNow}" >
            <button type="submit"  class="btn btn-primary btn-block waves-effect waves-
light">Pay Now</button>
        </form>


    </div>
</div>
<!-- Card -->

<!-- Card -->
<div class="card mb-4">
    <div class="card-body">

        <a class="dark-grey-text d-flex justify-content-between" data-toggle="collapse"
href="#collapseExample"
            aria-expanded="false" aria-controls="collapseExample">
          Add a discount code (optional)
          <span><i class="fas fa-chevron-down pt-1"></i></span>
        </a>

        <div class="collapse" id="collapseExample">
            <div class="mt-3">
                <div class="md-form md-outline mb-0">
                    <input type="text" id="discount-code" class="form-control font-weight-
light"

                        placeholder="Enter discount code">
                </div>
            </div>
        </div>
    </div>
</div>
<!-- Card -->

</div>
<!--Grid column-->

</div>
<!--Grid row-->

</section>
<!--Section: Block Content-->


</div>
```

```html
<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
</body>
</html>
```

File 28: index.html

```html
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org"
    xmlns:sec="http://www.thymeleaf.org/thymeleaf-extras-springsecurity3">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
      content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
      integrity="sha384-
IZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
  <title>Sporty Shoes</title>

  <style th:inline="text">

  header {
  height: 90vh;
  background-image: linear-gradient(rgba(0, 0, 0, .4), rgba(0, 0, 0, .6)),
url([[@{/images/header.jpg}]]);
  background-position: center;
  background-size: cover;
  background-attachment: fixed;
  background-repeat: no-repeat;
  }
```

```
      .foot {
      position: fixed;
      left: 0;
      bottom: 0;
      width: 100%;
      background-color: rgb(186, 144, 238);
      color: black ;
      text-align: center;
      }

      </style>

</head>
<body>


<nav class="navbar navbar-expand-lg navbar-light bg-light" >
   <div class="container-fluid">
      <a class="navbar-brand" href="#">
          <img th:src="@{/images/logo.jpg}"  src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
          SportyShoes.com
      </a>
      <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
          <span class="navbar-toggler-icon"></span>
      </button>

      <div class="collapse navbar-collapse" id="navbarSupportedContent">
         <ul class="navbar-nav mr-auto"></ul>
         <ul class="navbar-nav">
            <li class="nav-item active">
               <a class="nav-link" th:href="@{/}" href="#">Home</a>
            </li>
            <li class="nav-item active">
               <a class="nav-link" th:href="@{/shop}" href="#">Shop</a>
            </li>
            <li class="nav-item active">
               <a class="nav-link" sec:authorize="isAnonymous()" th:href="@{/login}"
href="#">Login</a>
            </li>
            <li class="nav-item active">
               <a class="nav-link" sec:authorize="isAuthenticated()" th:href="@{/logout}"
href="#">Logout</a>
            </li>
            <li class="nav-item active">
               <a class="nav-link" th:href="@{/cart}" href="#">Cart</a>
            </li>
            <li class="nav-item active">
```

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


    </div>
  </div>
</nav>
<header class="d-flex align-items-center pt-2 mt-2">
    <div class="container">


      <div class="row">
        <div class="col text-center">
          <h3
            class="text-uppercase font-weight-bold display-4 text-light banner-
heading">Welcome
            to sportyshoes.com</h3>
          <h3 class="display-4 text-light banner-heading pt-3 pb-4">Get the Style that suits
you the best</h3>
          <a th:href="@{/shop}" href="#"
            class="btn btn-lg btn-outline-primary text-uppercase px-5">
            Click to Buy Shoes</a>
        </div>
      </div>
    </div>
  </header>
 <div class="foot">
   <p>SportyShoes Ltd. All Rights Reserved. This Website is developed by Ashraf M. Husain
@2023</p>
</div>



<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
</body>
</html>
```

File 29: login.html

```html
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
  <meta charset="UTF-8">
```

```html
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
        integrity="sha384-
IZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
    <title>Sporty Shoes</title>
</head>
<body>


<nav class="navbar navbar-expand-lg navbar-light bg-light" >
    <div class="container-fluid">
        <a class="navbar-brand" href="#">
            <img th:src="@{/images/logo.jpg}"  src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
            SportyShoes.com
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto"></ul>
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/}" href="#">Home</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/shop}" href="#">Shop</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" href="#">Sign Up</a>
                </li>

            </ul>


        </div>
    </div>
</nav>
<div class="container">
    <div class="row">
```

```
        <div class="col-sm-6">
            <h2>Login</h2>
            <p>Please fill out this to login</p>
            <form th:action="@{/login}" method="post">
                <div class="form-group">
                    <label for="email">Email</label>
                    <input type="email" name="email" id="email" placeholder="Your Email"
class="form-control form-control-lg">
                </div>

                <div class="form-group">
                    <label for="password">Password</label>
                    <input type="password" class="form-control form-control-lg" placeholder="Password"
name="password" id="password">
                </div>
                <div th:if="${param.error}" class="alert alert-error text-danger">
                    Invalid username or password.
                </div>

                <input type="submit" value="Login" class="btn btn-primary btn-block">
                <br>
                <span >Don't have an account <a class="linkControl" href="./register.html"
                            th:href="@{/register}">Register here</a></span>
            </form>

        </div>

    </div>
</div>

<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
</body>
</html>
```

File 30: orderPlaced.html

```
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org"
    xmlns:sec="http://www.thymeleaf.org/thymeleaf-extras-springsecurity3">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
```

```html
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.11.2/css/all.css">

    <title>Sporty Shoes</title>
</head>
<body>


<nav class="navbar navbar-expand-lg navbar-light bg-light" >
    <div class="container-fluid">
        <a class="navbar-brand" href="#">
            <img th:src="@{/images/logo.jpg}"  src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
            SportyShoes.com
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto"></ul>
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/}" href="#">Home</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/shop}" href="#">Shop</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" sec:authorize="isAnonymous()" th:href="@{/login}"
href="#">Login</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" sec:authorize="isAuthenticated()" th:href="@{/logout}"
href="#">Logout</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/cart}" href="#">Cart</a>
                </li>
<!--            <li class="nav-item active">-->
<!--                <span class="nav-link" th:text="${cartCount}">0</span>-->
<!--            </li>-->
```

```html
          </ul>

      </div>
    </div>
</nav>
<div class="container">
    <div class="row">
      <div class="well col-xs-10 col-sm-10 col-md-6 col-xs-offset-1 col-sm-offset-1 col-md-offset-3">
          <div class="row">
            <div class="col-xs-6 col-sm-6 col-md-6">
                <strong th:text="${result}"></strong>
                <br>
            </div>
            <div class="col-xs-6 col-sm-6 col-md-6 text-right">
                <p>
                  <em>Receipt #: </em>
                  <em th:text="${Reciept}">Receipt #: 34522677W</em>
                </p>
            </div>
          </div>
          <div class="row">
            <div class="text-center">
                <h1>Receipt</h1>
            </div>

            <table class="table table-hover">
                <thead>
                <tr>
                  <th scope="col">SN</th>
                  <th scope="col">Product</th>
                  <th scope="col">Price</th>
                </tr>
                </thead>
                <tbody>

                <tr th:each="item, iStat : ${products}">
                  <th scope="row" th:text="${iStat.index + 1}">1</th>
                  <td th:text="${item.name}">Larry</td>
                  <td th:text="${item.price}">Larry</td>

                </tr>
                </tbody>
            </table>

            <div class="text-center">
                <h3>Total Amount Paid: </h3>
                <h3 th:text="${total}"> </h3>
            </div>
```

```
            </div>
          </div>
        </div>
      </div>



<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
</body>
</html>
```

File 31: products.html

```
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

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

    <title>Sporty Shoes</title>
</head>
<body>
<nav class="navbar navbar-expand-lg navbar-light bg-light" >
  <div class="container-fluid">
    <a class="navbar-brand" href="#">
       <img th:src="@{/images/logo.jpg}" src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
       SportyShoes.com
    </a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
```

```html
            <span class="navbar-toggler-icon"></span>
        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto"></ul>
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/admin}" href="#">Admin-HOme</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/logout}" href="#">Logout</a>
                </li>

            </ul>

        </div>
    </div>
</nav>
<div class="container-fluid">

    <a th:href="@{/admin/products/add}" style="margin: 20px 0" class="btn btn-primary">Add
Product</a>
    <table class="table">
        <thead class="thead-light">
        <tr>
            <th scope="col">SN</th>
            <th scope="col">Product Name</th>
            <th scope="col">Category</th>
            <th scope="col">Preview</th>
            <th scope="col">Delete</th>
            <th scope="col">Update</th>
        </tr>
        </thead>
        <tbody>

        <tr th:each="product, iStat : ${products}">
            <th scope="row" th:text="${iStat.index + 1}">1</th>
            <td th:text="${product.name}">Larry</td>
            <td th:text="${product.category.name}">Larry</td>
            <td><img src="" height="100px" width="100px"  th:src="@{${'/productImages/' +
product.imageName}}"></td>

            <td><a href="" th:href="@{/admin/product/delete/{id}(id=${product.id})}" class="btn
btn-danger">Delete</a></td>
            <td><a href="" th:href="@{/admin/product/update/{id}(id=${product.id})}" class="btn
btn-warning">Update</a></td>

        </tr>
        </tbody>
    </table>
</div>
```

```
<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
</body>
</html>
```

File 32: productsAdd.html

```
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
        integrity="sha384-
lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
    <title>Sporty Shoes</title>
</head>
<body>
<nav class="navbar navbar-expand-lg navbar-light bg-light">
    <div class="container-fluid">
        <a class="navbar-brand" href="#">
            <img th:src="@{/images/logo.jpg}" src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
            SportyShoes.com
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent"
            aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle
navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
```

```html
    <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <ul class="navbar-nav mr-auto"></ul>
      <ul class="navbar-nav">
        <li class="nav-item active">
          <a class="nav-link" th:href="@{/admin}" href="#">Admin-Home</a>
        </li>
        <li class="nav-item active">
          <a class="nav-link" th:href="@{/logout}" href="#">Logout</a>
        </li>

      </ul>

    </div>
  </div>
</nav>
<div class="container">
  <h3>Add a new Product</h3>
  <form th:action="@{/admin/products/add}" method="post" th:object="${productDTO}"
enctype="multipart/form-data">
    <div class="row">
      <div class="col-sm-5">

        <input type="hidden" name="id" th:field="*{id}">
        <div class="form-group">
          <label for="name">Name</label>
          <input type="text" class="form-control" required th:field="*{name}" name="name"
id="name"
                 placeholder="Enter name">

        </div>
        <div class="form-group">
          <label for="category">Select Category</label>
          <select class="form-control" th:field="*{categoryId}" id="category"
name="category">
              <option th:each="category :${categories}"
                  th:value="${category.id}"
                  th:text="${category.name}"
              >
          </select>
        </div>
        <div class="form-group">
          <label for="price">Price</label>
          <input type="number" class="form-control" required th:field="*{price}"
name="price" id="price"
                 placeholder="Price">
        </div>
        <div class="form-group">
          <label for="weight">Weight in grams</label>
          <input type="number" class="form-control" required th:field="*{weight}"
name="weight" id="weight"
                 placeholder="Weight">
```

```html
            </div>
            <div class="form-group">
                <label for="description">Product Description</label>
                <textarea class="form-control" rows="5" th:field="*{description}"
name="description" id="description"></textarea>
            </div>
        </div>
        <div class="col-sm-5">
            <p>Product Image</p>
            <div class="custom-file">
                <input type="file"  class="custom-file-input" name="productImage"
accept="image/jpeg, image/png"  id="productImage"/>
                <label class="custom-file-label" for="productImage">Choose file</label>
            </div>
            <div class="form-group">
                <img src="#" id="imgPreview" height="100px" width="100px"
th:src="@{${'/productImages/' + productDTO.imageName}}" style="margin-top: 20px" alt=" ">
            </div>
            <input type="hidden" name="imgName" th:value="${productDTO.imageName}">
            <button type="submit" class="btn btn-primary">Submit</button>
        </div>
    </div>
</form>
</div>


<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js"
    integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
    integrity="sha384-
wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
    crossorigin="anonymous"></script>
<script>
    function readURL(input){
        if(input.files && input.files[0]){
            var reader = new FileReader();
            reader.onload = function(e){
                $('#imgPreview').attr('src', e.target.result).width(100).height(100);
            }
            reader.readAsDataURL(input.files[0])
        }
    }
    $('#productImage').change(function(){
        readURL(this);
    });
```

```
    $(".custom-file-input").on("change", function() {
        var fileName = $(this).val().split("\\").pop();
        $(this).siblings(".custom-file-label").addClass("selected").html(fileName);
    });
</script>
</body>
</html>
```

File 33: purchaseReport.html

```html
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet" href="https://cdn.datatables.net/1.10.24/css/jquery.dataTables.min.css"
/>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
        integrity="sha384-
lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
    <title>Sporty Shoes</title>
</head>
<body>
<nav class="navbar navbar-expand-lg navbar-light bg-light" >
    <div class="container-fluid">
        <a class="navbar-brand" href="#">
            <img th:src="@{/images/logo.jpg}" src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
            SportyShoes.com
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto"></ul>
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/admin}" href="#">Admin-Home</a>
```

```html
            </li>
            <li class="nav-item active">
              <a class="nav-link" th:href="@{/logout}" href="#">Logout</a>
            </li>

        </ul>

      </div>
    </div>
</nav>
<div class="container">
    <div class="row">
      <div class="well col-xs-10 col-sm-10 col-md-10 col-xs-offset-1 col-sm-offset-1 col-md-offset-
3">

        <div class="row">
          <div class="text-center">
            <h1>Purchase Report</h1>
          </div>

          <table id="purchaseReport" class="table table-hover">
            <thead>
            <tr>
              <th scope="col">SN</th>
              <th scope="col">User Email</th>
              <th scope="col">User Name</th>
              <th scope="col">Product Id</th>
              <th scope="col">Category</th>
              <th scope="col">Product Name</th>
              <th scope="col">Product Price</th>
              <th scope="col">Order Date</th>
            </tr>
            </thead>
            <tbody>

            <tr th:each="purchase, iStat : ${puchaseList}">
              <th scope="row" th:text="${iStat.index + 1}">1</th>
              <td th:text="${purchase.email}">Larry</td>
              <td th:text="${purchase.name}">Larry</td>
              <td th:text="${purchase.productId}">Larry</td>
              <td th:text="${purchase.category}">Larry</td>
              <td th:text="${purchase.productName}">Larry</td>
              <td th:text="${purchase.price}">Larry</td>
              <td th:text="${purchase.date}">Larry</td>


            </tr>
            </tbody>
          </table>

        </div>
```

```
        </div>
    </div>
</div>



<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
<script src="https://cdn.datatables.net/1.10.24/js/jquery.dataTables.min.js"></script>
<script>
$(document).ready(function () {
    $('#purchaseReport').dataTable({
        "lengthMenu": [5, 7, 10, 12, 15, 20],
        "ordering": false
    });
    $('.dataTables_length').addClass('bs-select');

});
</script>
</body>
</html>
```

File 34: register.html

```
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
        integrity="sha384-
lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
    <title>Sporty Shoes</title>
</head>
```

```html
<body>


<nav class="navbar navbar-expand-lg navbar-light bg-light" >
   <div class="container-fluid">
      <a class="navbar-brand" href="#">
         <img th:src="@{/images/logo.jpg}"  src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
         SportyShoes.com
      </a>
      <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
         <span class="navbar-toggler-icon"></span>
      </button>

      <div class="collapse navbar-collapse" id="navbarSupportedContent">
         <ul class="navbar-nav mr-auto"></ul>
         <ul class="navbar-nav">
            <li class="nav-item active">
               <a class="nav-link" th:href="@{/}" href="#">Home</a>
            </li>
            <li class="nav-item active">
               <a class="nav-link" th:href="@{/shop}" href="#">Shop</a>
            </li>
            <li class="nav-item active">
               <a class="nav-link" href="#">Sign Up</a>
            </li>

         </ul>

      </div>
   </div>
</nav>
<div class="container">
   <div class="col-sm-6">
      <h3 style="margin-top: 10px">Sign Up Now</h3>
      <p>Please fill out this to register</p>
      <form th:action="@{/register}" th:object="${user}" method="post">
         <div class="form-group">
            <label for="firstName">First Name</label>
            <input type="text" name="firstName" id="firstName" required placeholder="Your
Firstname" class="form-control form-control-lg">
         </div>
         <div class="form-group">
            <label for="lastName">Last Name</label>
            <input type="text" name="lastName" id="lastName" required placeholder="Your
Lastname" class="form-control form-control-lg">
         </div>
         <div class="form-group">
            <label for="email">Email address</label>
```

```html
                <input type="email" class="form-control form-control-lg" required minlength="6"
placeholder="Email" name="email" id="email"
                aria-describedby="emailHelp">
            <small id="emailHelp" class="form-text text-muted">We'll never share your email with
            anyone else.</small>
        </div>
        <div class="form-group">
            <label for="password">Password</label>
            <input type="password" class="form-control form-control-lg" required
placeholder="Password" name="password"
                id="password">
        </div>

        <input type="submit" value="Register" class="btn btn-primary btn-block">
        <span style="margin-top: 10px">Already have an account <a class="linkControl"
href="./login.html"
                                        th:href="@{/login}">Login here</a></span>
    </form>
  </div>
</div>


<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
</body>
</html>
```

File 35: shop.html

```html
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org"
    xmlns:sec="http://www.thymeleaf.org/thymeleaf-extras-springsecurity3">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
     content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
```

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

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
        integrity="sha384-
lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
    <title>Sporty Shoes</title>
</head>
<body>


<nav class="navbar navbar-expand-lg navbar-light bg-light" >
    <div class="container-fluid">
        <a class="navbar-brand" href="#">
            <img th:src="@{/images/logo.jpg}"  src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
            SportyShoes.com
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto"></ul>
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/}" href="#">Home</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/shop}" href="#">Shop</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" sec:authorize="isAnonymous()" th:href="@{/login}"
href="#">Login</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" sec:authorize="isAuthenticated()" th:href="@{/logout}"
href="#">Logout</a>
                </li>
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/cart}" href="#">Cart</a>
                </li>
                <li class="nav-item active">
                    <span class="nav-link" th:text="${cartCount}">0</span>
                </li>
            </ul>
```

```html
            </div>
        </div>
    </nav>
<div class="container" style="margin-top: 30px">
    <div class="row">
        <div class="col-sm-3">
            <h4>Categories</h4>
            <ul class="list-group">
                <a th:href="@{/shop}"><li class="list-group-item">All Products</li></a>
                <a href="" th:each="category, iStat : ${categories}"
                   th:href="@{/shop/category/{id}(id=${category.id})}"><li
                        class="list-group-item" th:text="${category.name}"></li></a>


            </ul>
        </div>
        <div class="col-sm-9">
            <div class="card" style="margin-top: 20px" th:each="product : ${products}">
                <div class="row no-gutters">
                    <div class="col-sm-5 d-flex justify-content-center">
                        <img class="" height="150px" width="150px" th:src="@{${'/productImages/' +
product.imageName}}" th:alt="${product.name}">
                    </div>
                    <div class="col-sm-7 d-flex justify-content-center">
                        <div class="card-body">
                            <h5 class="card-title" th:text="${product.name}"></h5>
                            <h4>₹ <span th:text="${product.price}"></span></h4>
                            <p th:text="${product.description}" >Suresh Dasari is a founder and technical
lead developer in tutlane.</p>
                            <a href="#" th:href="@{/shop/viewproduct/{id}(id=${product.id})}" class="btn
btn-primary">View Product</a>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>





<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
```

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

File 36: userList.html

```
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet" href="https://cdn.datatables.net/1.10.24/css/jquery.dataTables.min.css"
/>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
        integrity="sha384-
lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
    <title>Sporty Shoes</title>
</head>
<body>
<nav class="navbar navbar-expand-lg navbar-light bg-light" >
    <div class="container-fluid">
        <a class="navbar-brand" href="#">
            <img th:src="@{/images/logo.jpg}"  src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
            SportyShoes.com
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto"></ul>
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a class="nav-link" th:href="@{/admin}" href="#">Admin-Home</a>
                </li>
                <li class="nav-item active">
```

```html
          <a class="nav-link" th:href="@{/logout}" href="#">Logout</a>
        </li>

      </ul>

    </div>
  </div>
</nav>
<div class="container">
  <div class="row">
    <div class="well col-xs-10 col-sm-10 col-md-10 col-xs-offset-1 col-sm-offset-1 col-md-offset-3">

      <div class="row">


        <table id="userReport" class="table table-hover mt-3 pt-3">
          <thead>
          <tr>
            <th scope="col">SN</th>
            <th scope="col">User Id</th>
            <th scope="col">Email</th>
            <th scope="col">First Name</th>
            <th scope="col">Last Name</th>
          </tr>
          </thead>
          <tbody>

          <tr th:each="user, iStat : ${userlist}">
            <th scope="row" th:text="${iStat.index + 1}">1</th>
            <td th:text="${user.id}">Larry</td>
            <td th:text="${user.email}">Larry</td>
            <td th:text="${user.firstName}">Larry</td>
            <td th:text="${user.lastName}">Larry</td>

          </tr>
          </tbody>
        </table>


      </div>
    </div>
  </div>
</div>


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

```
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvl9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
<script src="https://cdn.datatables.net/1.10.24/js/jquery.dataTables.min.js"></script>
<script>
$(document).ready(function () {
    $('#userReport').dataTable({
        "lengthMenu": [5, 7, 10, 12, 15, 20],
        "ordering": false
    });
    $('.dataTables_length').addClass('bs-select');


});
</script>


</body>
</html>
```

File 37: viewProduct.html

```
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org"
    xmlns:sec="http://www.thymeleaf.org/thymeleaf-extras-springsecurity3">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css"
        integrity="sha384-
IZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ"
crossorigin="anonymous">
    <title>Sporty Shoes</title>
</head>
<body>


<nav class="navbar navbar-expand-lg navbar-light bg-light">
    <div class="container-fluid">
        <a class="navbar-brand" href="#">
```

```html
          <img th:src="@{/images/logo.jpg}"  src="../static/images/logo.jpg" width="auto"
height="40" class="d-inline-block align-top" alt=""/>
          SportyShoes.com
      </a>
      <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent"
            aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle
navigation">
          <span class="navbar-toggler-icon"></span>
      </button>

      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mr-auto"></ul>
        <ul class="navbar-nav">
          <li class="nav-item active">
            <a class="nav-link" th:href="@{/}" href="#">Home</a>
          </li>
          <li class="nav-item active">
            <a class="nav-link" th:href="@{/shop}" href="#">Shop</a>
          </li>
          <li class="nav-item active">
            <a class="nav-link" sec:authorize="isAnonymous()" th:href="@{/login}"
href="#">Login</a>
          </li>
          <li class="nav-item active">
            <a class="nav-link" sec:authorize="isAuthenticated()" th:href="@{/logout}"
href="#">Logout</a>
          </li>
          <li class="nav-item active">
            <a class="nav-link" th:href="@{/cart}" href="#">Cart</a>
          </li>
          <li class="nav-item active">
            <span class="nav-link" th:text="${cartCount}"></span>
          </li>
        </ul>

      </div>
    </div>
</nav>
<div class="container mt-5">
    <div class="row">
      <div class="col-sm-5 d-flex justify-content-center">
        <img class="mt-5" height="300px" width="300px" src="" th:src="@{${'/productImages/'
+ product.imageName}}"
            alt="">
      </div>
      <div class="col-sm-7 mt-5">
        <h2 th:text="${product.name}"></h2>
        <p th:text="${product.category.name}"></p>
        <h2>₹ <span th:text="${product.price}"></span></h2>
        <h5>Weight:
```

```
        <spna th:text="${product.weight}"></spna> grams.
      </h5>
      <p th:text="${product.description}"></p>
      <a href="" th:href="@{/addToCart/{id}(id = ${product.id})}" class="btn btn-
primary">Add to cart</a>
    </div>
  </div>
</div>


<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js"
    integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
    integrity="sha384-
wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
    crossorigin="anonymous"></script>
</body>
</html>
```

File 37: application.properties

spring.h2.console.enabled=true

spring.datasource.url=jdbc:h2:file:./db
spring.datasource.driverClassName=org.h2.Driver
spring.datasource.username=sa
spring.datasource.password=

spring.jpa.database-platform=org.hibernate.dialect.H2Dialect
spring.jpa.hibernate.ddl-auto=update

server.port=8080

spring.jpa.properties.hibernate.jdbc.batch_size=100

File 38: pom.xml

```
<?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"
```

```xml
        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>2.5.0</version>
                <relativePath /> <!-- lookup parent from repository -->
        </parent>
        <groupId>com.project</groupId>
        <artifactId>sportyshoes</artifactId>
        <version>0.0.1-SNAPSHOT</version>
        <name>sportyshoes</name>
        <description>Spring boot E-Commerce Application</description>

        <dependencies>
                <dependency>
                        <groupId>org.springframework.boot</groupId>
                        <artifactId>spring-boot-starter-data-jpa</artifactId>
                </dependency>
                <dependency>
                        <groupId>org.springframework.boot</groupId>
                        <artifactId>spring-boot-starter-oauth2-client</artifactId>
                </dependency>
                <dependency>
                        <groupId>org.springframework.boot</groupId>
                        <artifactId>spring-boot-starter-security</artifactId>
                </dependency>
                <dependency>
                        <groupId>org.springframework.boot</groupId>
                        <artifactId>spring-boot-starter-thymeleaf</artifactId>
                </dependency>
                <dependency>
                        <groupId>org.springframework.boot</groupId>
                        <artifactId>spring-boot-starter-web</artifactId>
                </dependency>
                <dependency>
                        <groupId>com.h2database</groupId>
                        <artifactId>h2</artifactId>
                        <scope>runtime</scope>
                </dependency>
                <dependency>
                        <groupId>org.thymeleaf.extras</groupId>
                        <artifactId>thymeleaf-extras-springsecurity5</artifactId>
                </dependency>

                <dependency>
                        <groupId>org.springframework.boot</groupId>
                        <artifactId>spring-boot-devtools</artifactId>
                        <scope>runtime</scope>
```

```xml
                    <optional>true</optional>
            </dependency>
            <dependency>
                    <groupId>org.projectlombok</groupId>
                    <artifactId>lombok</artifactId>
                    <optional>true</optional>
            </dependency>
            <dependency>
                    <groupId>org.springframework.boot</groupId>
                    <artifactId>spring-boot-starter-test</artifactId>
                    <scope>test</scope>
            </dependency>
            <dependency>
                    <groupId>org.springframework.security</groupId>
                    <artifactId>spring-security-test</artifactId>
                    <scope>test</scope>
            </dependency>
            <dependency>
                    <groupId>org.springframework.boot</groupId>
                    <artifactId>spring-boot-starter-validation</artifactId>
            </dependency>
            <dependency>
                    <groupId>org.springframework.boot</groupId>
                    <artifactId>spring-boot-configuration-processor</artifactId>
                    <optional>true</optional>
            </dependency>

    </dependencies>

    <build>
            <plugins>
                    <plugin>
                            <groupId>org.springframework.boot</groupId>
                            <artifactId>spring-boot-maven-plugin</artifactId>
                            <configuration>
                                    <excludes>
                                            <exclude>
                                                    <groupId>org.projectlombok</groupId>
                                                    <artifactId>lombok</artifactId>
                                            </exclude>
                                            <exclude>

    <groupId>org.springframework.boot</groupId>
                                                    <artifactId>spring-boot-configuration-
processor</artifactId>
                                            </exclude>
                                    </excludes>
                            </configuration>
                    </plugin>
```

```xml
            <plugin>
                <artifactId>maven-compiler-plugin</artifactId>
                <configuration>
                    <source>12</source>
                    <target>12</target>
                </configuration>
            </plugin>

        </plugins>
    </build>

</project>
```