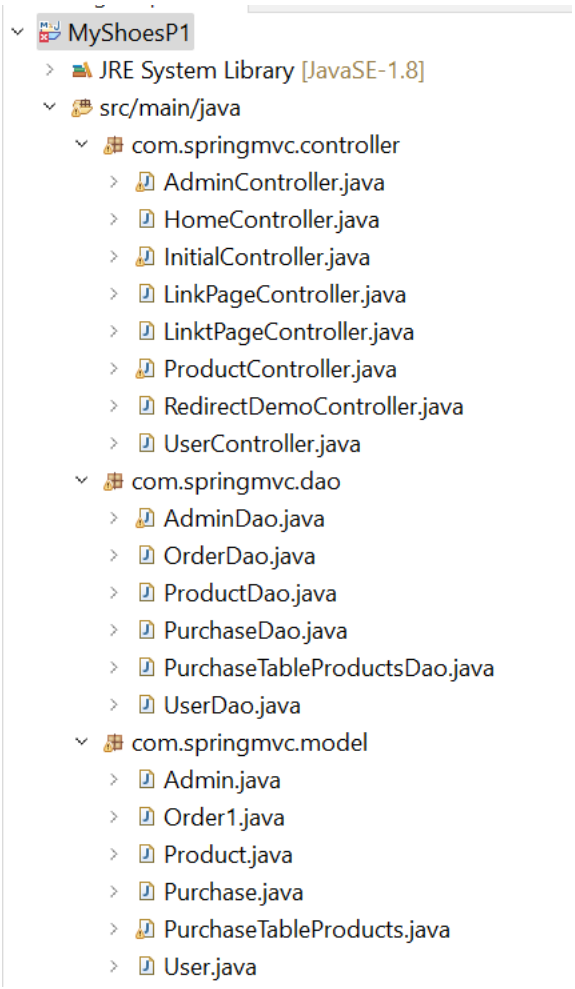
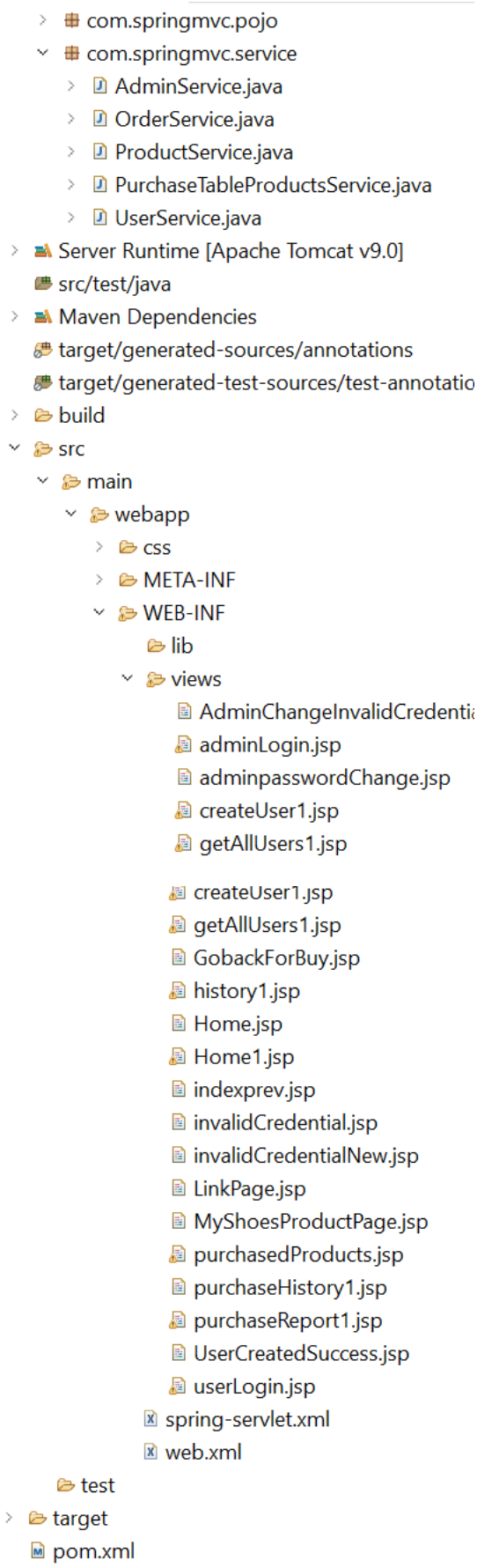
Project Name	An E-commerce Website for Sporty Shoes
Developer’s Name	Prathamesh Chinchamalatpure
Phase	Implement Framework DevOps Way
Part	Source Code

Folder Structure

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AdminController.java

```
package com.springmvc.controller;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.context.ApplicationContext;
import org.springframework.context.support.ClassPathXmlApplicationContext;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.RequestParam;

import com.springmvc.dao.AdminDao;
import com.springmvc.dao.AdminDao;
import com.springmvc.model.Admin;
import com.springmvc.service.AdminService;

@Controller
public class AdminController {

	@Autowired
	private AdminDao adminDao;

	@Autowired
	private AdminService adminService;

	@RequestMapping("/adminLoginProcess")
```

```
public String adminLoginValidation(@ModelAttribute Admin admin) {

		System.out.println(admin);
		List<Admin> list=adminDao.getAllAdmins();
		System.out.println(list);
		for(Admin a:list) {

			if(a.getUsername().equals(admin.getUsername()) &&
a.getPassword().equals(admin.getPassword())){

				System.out.println("Admin login successful");
		return "LinkPage";
			}

			}
			return "invalidCredential";
		}

	@RequestMapping(path="/changeThePasswordCheck",method=RequestMethod.POS
T)
	public String changePasswordCheck(@RequestParam("username") String username,
			@RequestParam("password") String password,
			@RequestParam("confirmpassword") String confirmpassword,Model
model
			)
	{
		System.out.println(username);
		System.out.println(password);
		System.out.println(confirmpassword);

		List<Admin> adminlist=adminDao.getAllAdmins();
```

```
                for(Admin a:adminlist) {


                        if(a.getUsername().equals(username)  &&
password.equals(confirmpassword)) {


                                this.adminDao.deleteAdmin();
                                Admin newAdmin=new Admin();
                          // newAdmin.setId(1);
                                newAdmin.setUsername(username);
                                newAdmin.setPassword(confirmpassword);
                                this.adminService.enterAdminCredential(newAdmin);
                                //model.addAttribute("Header", "Please Enter new
credentials");
                                //model.addAttribute("Description", "Please Enter new
credentials");
                                return "adminLogin";
                        }
                }


                return "AdminChangeInvalidCredential";
        }




         }
```

2.InitialController.java

```
package com.springmvc.controller;

import javax.servlet.http.HttpServletRequest;
```

```java
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.http.HttpRequest;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.RequestParam;

import com.springmvc.model.Admin;



@Controller
public class InitialController {

	/*@Autowired
	private UserService userService;*/

	@RequestMapping("/")
	public String showForm(Model model1) {

		return "indexprev";
	}

	@RequestMapping("/UserLogin")
	public String getuserLogin() {
		return "userLogin";
	}

	@RequestMapping("/HomePage")
	public String gotoHomePage() {
		return "Home";
	}

	@RequestMapping(path="/AdminLogin",method=RequestMethod.POST)
	public String getadminLogin() {
		return "adminLogin";
	}


	@RequestMapping("/changepasswordProcess")
	public String getchangepasswordOfAdmin() {
		return "adminpasswordChange";

	}
```

```
	}
```

3.LinkPageController:

```
package com.springmvc.controller;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.RequestMapping;

import com.springmvc.model.Order1;
import com.springmvc.model.User;
import com.springmvc.service.OrderService;
import com.springmvc.service.UserService;

@Controller
public class LinkPageController {

	@Autowired
	private UserService userService;

	@Autowired
	private OrderService orderService;

	@RequestMapping("/createUser")
	public String createUser() {
		return "createUser1";
	}
```

```
	@RequestMapping("/getAllUsers")
	public String getAllUsers(Model model) {

		List<User> list=this.userService.presentAllUsers();
		System.out.println(list);
		model.addAttribute("listofallUsers",list);
		return "getAllUsers1";
	}

	@RequestMapping("/purchaseHistory")
	public String purchaseHistory() {
	  return "purchaseHistory1";
	}

	@RequestMapping("purchaseReport")
	public String purchaseReport(Model model) {

		List<Order1> list=this.orderService.getAllOrdersForAllUsers();
		System.out.println(list);
		model.addAttribute("AllUserReport", list);
		return "purchaseReport1";
	}
}
```

4.LinktPageController

```
package com.springmvc.controller;

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

```
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;

import com.springmvc.model.Order1;
import com.springmvc.service.OrderService;

@Controller
public class LinktPageController {

	@Autowired
	private OrderService orderService;

	@RequestMapping(path="/history", method=RequestMethod.GET)
	public String getUserHistory(
			@ModelAttribute("username") String username,
			Model model) {
		List<Order1> list=this.orderService.getAllOrdersForAllUsers();
		System.out.println(list);
		System.out.println(username);
		List<Order1> list1=new ArrayList<Order1>();
		for(Order1 o:list) {
			if(o.getUsername().equals(username)) {
				list1.add(o);
			}
		}
		System.out.println("List1:"+list1);
```

```
            model.addAttribute("allOrders",list1);

            return "history1";

        }


}
```

5.ProductController

```
package com.springmvc.controller;

import java.time.LocalDate;
import java.time.format.DateTimeFormatter;
import java.util.ArrayList;
import java.util.List;

import javax.servlet.http.HttpServletRequest;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.RequestParam;

import com.springmvc.model.Order1;
import com.springmvc.model.PurchaseTableProducts;
import com.springmvc.model.User;
import com.springmvc.pojo.PurchaseTable;
import com.springmvc.service.OrderService;
import com.springmvc.service.ProductService;
import com.springmvc.service.PurchaseTableProductsService;

@Controller
public class ProductController {

        @Autowired
        private ProductService productService;

        @Autowired
        private OrderService orderservice;

        @Autowired
        private PurchaseTableProductsService purchaseTableProductsService;

        List<PurchaseTableProducts> list;
        List<PurchaseTableProducts> list1=new ArrayList<PurchaseTableProducts>();
```

```
	@RequestMapping(path="/purchase0", method=RequestMethod.POST)
	public String productControllertest0(@ModelAttribute User user) {
			System.out.println("IN 0");
			list=this.purchaseTableProductsService.getAllProducts();
			list1.add(list.get(0));
			System.out.println(list1);
	return "GobackForBuy";
			/*	List<PurchaseTable>
list=(List<PurchaseTable>)request.getAttribute("PurchaseTableData");
		String username=user.getUsername();
		PurchaseTable purT=(PurchaseTable)request.getAttribute("pur");
			System.out.println(list +"  "+username+" "+purT);*/
	}

	@RequestMapping(path="/purchase1", method=RequestMethod.POST)
	public String productControllertest1() {
			System.out.println("IN 1");
			list=this.purchaseTableProductsService.getAllProducts();
			list1.add(list.get(1));
			System.out.println(list1);
			return "GobackForBuy";
	}

	@RequestMapping(path="/purchase2", method=RequestMethod.POST)
	public String productControllertest2() {
			System.out.println("IN 2");
			list=this.purchaseTableProductsService.getAllProducts();
			list1.add(list.get(2));
			System.out.println(list1);
			return "GobackForBuy";
	}

	@RequestMapping(path="/purchase", method=RequestMethod.POST)
	public String buyTheProducts(Model model) {
			System.out.println("Buy The Products");
			LocalDate dt = LocalDate.parse(LocalDate.now().toString());
System.out.println(dt);

// Function call
DateTimeFormatter formatter = DateTimeFormatter.ofPattern("YYYY-MM-dd");
System.out.println(formatter.format(dt));
String username=new String();
Order1 orderTableInsert;
 int i=0;
for(PurchaseTableProducts l:list1) {
	orderTableInsert=new Order1();

	orderTableInsert.setUsername(l.getUsername());
	orderTableInsert.setProductname(l.getProductname());
	orderTableInsert.setCost(l.getCost());
```

```
            orderTableInsert.setDate1(dt);
            orderTableInsert.setCategory(l.getCategory());
            this.orderservice.enterOrderDetails(orderTableInsert);


        }
        list=this.purchaseTableProductsService.getAllProducts();
        for(PurchaseTableProducts l:list) {
            System.out.println(l.getMyPrimaryKey()+"****");
        this.purchaseTableProductsService.deleteAllPurchasedProducts(l.getMyPrimaryKey());
        }

        model.addAttribute("purchasedProducts", list1);
                    return "purchasedProducts";
            }



}
```

6.UserController

```
package com.springmvc.controller;


import java.util.List;


import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;


import com.springmvc.model.Product;
import com.springmvc.model.PurchaseTableProducts;
import com.springmvc.model.User;
import com.springmvc.service.ProductService;
import com.springmvc.service.PurchaseTableProductsService;
import com.springmvc.service.UserService;
```

```
@Controller
public class UserController {

	@Autowired
	private UserService userService;

	@Autowired
	private ProductService productService;

	@Autowired
	private PurchaseTableProductsService purchaseTableProductsService;

	@RequestMapping("/SignInUser")
	public String signInUser() {
		return "userLogin";
	}

	@RequestMapping(path="/processCreateUser" , method=RequestMethod.POST)
	public String processCreateUser(@ModelAttribute User user) {

		user.setUsername(user.getFname()+user.getLname()+user.getId());
		user.setPassword(user.getId()+user.getLname()+user.getFname());
		System.out.println(user);
		this.userService.saveCreatedUser(user);
		return "UserCreatedSuccess";
	}

	@RequestMapping(path="/Login",method=RequestMethod.POST)
	public String userLoginProcess(@ModelAttribute User user,Model model) {
```

```
System.out.println(user);
List<User> listOfUsers=this.userService.presentAllUsers();
System.out.println(listOfUsers);
for(User usern:listOfUsers) {
/*	System.out.println(usern.getUsername());
System.out.println(user.getUsername());
System.out.println(usern.getPassword());
System.out.println(user.getPassword());*/
if(usern.getUsername().equals(user.getUsername()) &&
usern.getPassword().equals(user.getPassword())){
System.out.println("Userl login successful");
List<Product>
listOfProducts=this.productService.getListOfAllProducts();
System.out.println(listOfProducts);
PurchaseTableProducts purTProducts;
for(Product l:listOfProducts) {
purTProducts=new PurchaseTableProducts();
purTProducts.setUsername(user.getUsername());
purTProducts.setProductname(l.getProductname());
purTProducts.setCost(l.getCost());
purTProducts.setCategory(l.getCategory());

purTProducts.setMyPrimaryKey(user.getUsername()+"_"+l.getProductname());

this.purchaseTableProductsService.saveallProductsinPurchaseTable(purTProducts);
}



model.addAttribute("listOfAllProducts", listOfProducts);
```

```
                        model.addAttribute("User", user);
                        return "Home1";
                    }

                }
                return "invalidCredentialNew";
            }
            //username=4_User_New, password=User_New_4
}
```

---

1. **AdminDao.java**

```
package com.springmvc.dao;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.orm.hibernate5.HibernateTemplate;
import org.springframework.stereotype.Repository;
import org.springframework.transaction.annotation.Transactional;

import com.springmvc.model.Admin;

@Repository
public class AdminDao {

	@Autowired
	private HibernateTemplate hibernateTemplate;

	public HibernateTemplate getHibernateTemplate() {
		return hibernateTemplate;
	}

	public void setHibernateTemplate(HibernateTemplate hibernateTemplate) {
		this.hibernateTemplate = hibernateTemplate;
	}

	public List<Admin> getAllAdmins() {
		// TODO Auto-generated method stub
		List<Admin> list=this.hibernateTemplate.loadAll(Admin.class);
```

```
		return list;
	}

	@Transactional
	public void deleteAdmin() {
		this.hibernateTemplate.deleteAll(getAllAdmins());
	}

	@Transactional
	public void insertAdmin(Admin admin) {
		int id=(Integer)this.hibernateTemplate.save(admin);
	}


}
```

2.OrderDao.java

```
package com.springmvc.dao;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.orm.hibernate5.HibernateTemplate;
import org.springframework.stereotype.Repository;
import org.springframework.transaction.annotation.Transactional;

import com.springmvc.model.Order1;

@Repository
public class OrderDao {
```

```
	@Autowired
	private HibernateTemplate hibernateTemplate;

	public HibernateTemplate getHibernateTemplate() {
		return hibernateTemplate;
	}

	public void setHibernateTemplate(HibernateTemplate hibernateTemplate) {
		this.hibernateTemplate = hibernateTemplate;
	}

	@Transactional
	public void insertOrder(Order1 order) {
		this.hibernateTemplate.save(order);
	}

	public List<Order1> getAllOrderRecords() {
		return this.hibernateTemplate.loadAll(Order1.class);
	}
}
```

3.ProductDao

```
package com.springmvc.dao;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.orm.hibernate5.HibernateTemplate;
import org.springframework.stereotype.Repository;
```

```
import com.springmvc.model.Product;

@Repository
public class ProductDao {

	@Autowired
	private HibernateTemplate hibernateTemplate;

	public HibernateTemplate getHibernateTemplate() {
		return hibernateTemplate;
	}

	public void setHibernateTemplate(HibernateTemplate hibernateTemplate) {
		this.hibernateTemplate = hibernateTemplate;
	}


   public List<Product> getAllProducts(){
	List<Product> list=this.hibernateTemplate.loadAll(Product.class);
	return list;
   }
}
```

4.PurchaseDao

```
package com.springmvc.dao;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.orm.hibernate5.HibernateTemplate;
import org.springframework.stereotype.Repository;
```

```
@Repository
public class PurchaseDao {

	@Autowired
	private HibernateTemplate hibernateTemplate;

	public HibernateTemplate getHibernateTemplate() {
		return hibernateTemplate;
	}

	public void setHibernateTemplate(HibernateTemplate hibernateTemplate) {
		this.hibernateTemplate = hibernateTemplate;
	}

	public void saveUsername() {
	}



}
```

5.PurchaseTableProductsDao.java

```
package com.springmvc.dao;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.orm.hibernate5.HibernateTemplate;
import org.springframework.stereotype.Repository;
```

```
import org.springframework.transaction.annotation.Transactional;

import com.springmvc.model.PurchaseTableProducts;

@Repository
public class PurchaseTableProductsDao {

	@Autowired
	private HibernateTemplate hibernateTemplate;

	public HibernateTemplate getHibernateTemplate() {
		return hibernateTemplate;
	}

	public void setHibernateTemplate(HibernateTemplate hibernateTemplate) {
		this.hibernateTemplate = hibernateTemplate;
	}

	@Transactional
	public void saveDataInTable(PurchaseTableProducts purtD) {
		this.hibernateTemplate.save(purtD);
	}

	public List<PurchaseTableProducts> getAllproducts(){
		List<PurchaseTableProducts>
list=this.hibernateTemplate.loadAll(PurchaseTableProducts.class);
	   return list;
	}

	@Transactional
	public void deleteAllpurchaseProduct(String myPrimaryKey) {
```

```
                PurchaseTableProducts
pur=this.hibernateTemplate.get(PurchaseTableProducts.class, myPrimaryKey);
            System.out.println(pur);
                this.hibernateTemplate.delete(pur);
            return;

        }




}
```

6.UserDao.java

```
package com.springmvc.dao;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.orm.hibernate5.HibernateTemplate;
import org.springframework.stereotype.Repository;
import org.springframework.transaction.annotation.Transactional;

import com.springmvc.model.User;

@Repository
public class UserDao {

        @Autowired
        private HibernateTemplate hibernateTemplate;

        public HibernateTemplate getHibernateTemplate() {
                return hibernateTemplate;
```

```
	}

	public void setHibernateTemplate(HibernateTemplate hibernateTemplate) {
		this.hibernateTemplate = hibernateTemplate;
	}

	@Transactional
	public void insertUser(User user) {
		this.hibernateTemplate.save(user);
	}

	public List<User> getAllUsers() {
		List<User> list=this.hibernateTemplate.loadAll(User.class);
		return list;
	}
}
```

1.Admin.java

```
package com.springmvc.model;

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

@Entity
public class Admin {

	@Id
	@GeneratedValue(strategy=GenerationType.AUTO)
	public int id;
	public String username,password;
	public int getId() {
		return id;
	}
	public void setId(int id) {
		this.id = id;
	}
	public String getUsername() {
		return username;
	}
	public void setUsername(String username) {
		this.username = username;
	}
	public String getPassword() {
		return password;
	}
```

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

	@Override
	public String toString() {
		return "Admin [id=" + id + ", username=" + username + ", password=" +
password + "]";
	}
}
```

2.Order1.java

```
package com.springmvc.model;
import java.time.LocalDate;

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

@Entity
public class Order1 {
   @Id
   @GeneratedValue(strategy=GenerationType.AUTO)
   public int id;

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

```
}

public String username;
public String productname;
public int cost;
public LocalDate date1;
public LocalDate getDate1() {
	return date1;
}
public void setDate1(LocalDate date1) {
	this.date1 = date1;
}

public String category;
public String getUsername() {
	return username;
}
public void setUsername(String username) {
	this.username = username;
}
public String getProductname() {
	return productname;
}
public void setProductname(String productname) {
	this.productname = productname;
}
public int getCost() {
	return cost;
}
public void setCost(int i) {
```

```
		this.cost = i;
	}

	public String getCategory() {
		return category;
	}
	public void setCategory(String category) {
		this.category = category;
	}
	@Override
	public String toString() {
		return "Order [id=" + id + ", username=" + username + ", productname=" +
productname + ", cost=" + cost
				+ ", date1=" + date1 + ", category=" + category + "]";
	}
}
```

3.Product.java

```
package com.springmvc.model;

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

@Entity
public class Product {

	@Id
	@GeneratedValue(strategy=GenerationType.AUTO)
	String productname;
```

```
int cost;

String category;

public String getProductname() {
	return productname;
}

public void setProductname(String productname) {
	this.productname = productname;
}

public int getCost() {
	return cost;
}

public void setCost(int cost) {
	this.cost = cost;
}

public String getCategory() {
	return category;
}

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

@Override
```

```
	public String toString() {
		return "Product [productname=" + productname + ", cost=" + cost + ",
category=" + category + "]";
	}
}
```

4.PurchaseTableProducts.java

```
package com.springmvc.model;

import java.util.List;

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

@Entity
public class PurchaseTableProducts {



	private String username;


	private String productname;


	private int cost;


	private String category;


	@Id
```

```
private String myPrimaryKey;

public String getMyPrimaryKey() {
	return myPrimaryKey;
}

public void setMyPrimaryKey(String myPrimaryKey) {
	this.myPrimaryKey = myPrimaryKey;
}

public String getUsername() {
	return username;
}

public void setUsername(String username) {
	this.username = username;
}

public String getProductname() {
	return productname;
}

public void setProductname(String productname) {
	this.productname = productname;
}

public int getCost() {
	return cost;
}
```

```
	public void setCost(int cost) {
		this.cost = cost;
	}

	public String getCategory() {
		return category;
	}

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

	@Override
	public String toString() {
		return "PurchaseTableProducts [username=" + username + ", productname="
+ productname + ", cost=" + cost
				+ ", category=" + category + "]";
	}



}
```

5.User.java

```
package com.springmvc.model;

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

@Entity
public class User {
```

```
    @Id
        @GeneratedValue(strategy=GenerationType.AUTO)
    public int Id;


    public String fname;


    public String lname;


    public String username;


    public String password;




public int getId() {
            return Id;
        }
        public void setId(int id) {
            Id = id;
        }
public String getFname() {
        return fname;
}
public void setFname(String fname) {
        this.fname = fname;
```

```
}
public String getLname() {
	return lname;
}
public void setLname(String lname) {
	this.lname = lname;
}

public String getUsername() {
	return username;
}
public void setUsername(String username) {
	this.username = username;
}
public String getPassword() {
	return password;
}
public void setPassword(String password) {
	this.password = password;
}



@Override
public String toString() {
	return "User [Id=" + Id + ", fname=" + fname + ", lname=" + lname + ", username="
+ username + ", password="
				+ password + "]";
}
}
```

1.AdminService.java

```
package com.springmvc.service;

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

import com.springmvc.dao.AdminDao;
import com.springmvc.model.Admin;

@Service
public class AdminService {

	public AdminService(AdminDao adminDao) {
		super();
		this.adminDao = adminDao;
	}



	@Autowired
	private AdminDao adminDao;



	public void enterAdminCredential(Admin admin) {
	    this.adminDao.insertAdmin(admin);
	}
}
```

2.OrderService.java

```
package com.springmvc.service;

import java.util.List;
```

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


import com.springmvc.dao.OrderDao;

import com.springmvc.model.Order1;

@Service
public class OrderService {

	@Autowired
	private OrderDao orderDao;

	public OrderService(OrderDao orderDao) {
		super();
		this.orderDao = orderDao;
	}


	public void enterOrderDetails(Order1 order) {
		this.orderDao.insertOrder(order);
	}

	public List<Order1> getAllOrdersForAllUsers() {
		return this.orderDao.getAllOrderRecords();
	}
```

}

3.ProductService.java

```
package com.springmvc.service;

import java.util.List;

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

import com.springmvc.dao.ProductDao;
import com.springmvc.model.Product;

@Service
public class ProductService {


	@Autowired
	private ProductDao productDao;

	public ProductService(ProductDao productDao) {
		super();
		this.productDao = productDao;
	}

	public List<Product> getListOfAllProducts(){

		return this.productDao.getAllProducts();

	}
```

}

4. PurchaseTableProductsService.java

```
package com.springmvc.service;

import java.util.List;

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



import com.springmvc.dao.PurchaseTableProductsDao;

import com.springmvc.model.PurchaseTableProducts;

public class PurchaseTableProductsService {

	@Autowired
	private PurchaseTableProductsDao purchaseTableProductsDao;



	public PurchaseTableProductsService(PurchaseTableProductsDao
purchaseTableProductDao) {
		super();
		this.purchaseTableProductsDao = purchaseTableProductDao;
	}



	public void saveallProductsinPurchaseTable(PurchaseTableProducts
purchaseTableProducts) {
```

```
		this.purchaseTableProductsDao.saveDataInTable(purchaseTableProducts);
	}

	public List<PurchaseTableProducts> getAllProducts(){
		return this.purchaseTableProductsDao.getAllproducts();
	}

	public void deleteAllPurchasedProducts(String myPrimaryKey) {
		this.purchaseTableProductsDao.deleteAllpurchaseProduct(myPrimaryKey);
	}

}
```

5.UserService.java

```
package com.springmvc.service;

import java.util.List;

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

import com.springmvc.dao.UserDao;
import com.springmvc.model.User;

public class UserService {

	@Autowired
   private UserDao userDao;

	public void saveCreatedUser(User user) {
		this.userDao.insertUser(user);
```

```
	}

	public UserService(UserDao userDao) {
		super();
		this.userDao = userDao;
	}

	public List<User> presentAllUsers() {
		List<User> listUsers=this.userDao.getAllUsers();
		return listUsers;
	}


}
```

---

css:

Login1.css

```
.center {
   margin: auto;
  width: 50%;
  border: 3px solid #000000;
  padding: 10px;
}

.center1 {
  margin: auto;
  width: 50%;
  padding: 10px;
}


table {
  font-family: arial, sans-serif;
  border-collapse: collapse;
  width: 100%;
}

td, th {
  border: 1px solid #dddddd;
```

```
  text-align: left;
  padding: 8px;
}

tr:nth-child(even) {
  background-color: #dddddd;
}
```

View

AdminChangeInvalidCredential.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Invalid change in password</title>
</head>
<body>
Please enter valid username and also note that password and confirm password should be
same.
</body>
</html>
```

adminLogin.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
        pageEncoding="ISO-8859-1"%>
<html>
<head>
<meta charset="ISO-8859-1">

<title>Login</title>

<link href="<c:url value="/css/login1.css" />" rel="stylesheet"></link>

</head>
<body>
        <div class="center">
                <div class="center1">
                        <h1>Admin Login</h1>
                        <form action="adminLoginProcess" method="post">

                                <label>Username : </label> <input type="text"
```

```
                placeholder="Enter Username" name="username"
required> <br>
                <br> <label>Password : </label> <input type="password"
                placeholder="Enter Password" name="password"
required> <br>
                <br>
                <div class="center1">

                <button type="submit">Login</button>
                <br> <br>
            </form>
            <form action="changepasswordProcess">
                <button type="submit">Change Password</button>
            </form>

        </div>
        <br /> <br> <input type="checkbox" checked="checked">
        Remember me
    </div>
    </div>
</body>
</html>
```

adminpasswordChange.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Change The Admin Password</title>
<link href="<c:url value="/css/login1.css" />" rel="stylesheet"></link>
</head>
<body>
<div class="center">
        <div class="center1">
            <h1>Change Admin Password</h1>
            Please enter valid username.
            Then enter password
            <form action="changeThePasswordCheck" method="POST">

                <label>Username : </label> <input type="text"
                placeholder="Enter Username" name="username"
required> <br>
                <br><br><label>Password : </label> <input type="password"
                placeholder="Enter Password" name="password"
required> <br>
                <br>
```

```
                                <br> <label>Reenter Password : </label> <input
type="password"
                                        placeholder="Confirm Password"
name="confirmpassword" required> <br>
                                <br>

                                <br>
                        <div class="center1">
                                <button type="submit">Change the Password</button>
                        </div>
                        <br />
                </form>
                </div>
        </div>
</body>
</html>
```

createUser1.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
        pageEncoding="ISO-8859-1"%>
<html>
<head>
<meta charset="ISO-8859-1">

<title>Create User</title>

<link href="<c:url value="/css/login1.css" />" rel="stylesheet"></link>

</head>
<body>
        <div class="center">
                <div class="center1">
                        <h1>Admin - Create User</h1>

                   <form action="processCreateUser" method="POST">

                        <label>Id: </label> <input type="text"
                                placeholder="Enter Id" name="Id" required> <br>
                        <br> <label>FName : </label> <input type="text"
                                placeholder="Enter FName" name="fname" required> <br>
                        <br>
                        <br> <label>LName : </label> <input type="text"
                                placeholder="Enter LName" name="lname" required> <br>
                        <br>
                <!-- <br> <label>Username : </label> <input type="text"
                                placeholder="Enter Username" name="username" required>
<br>
```

```
                        <br>
                        <br> <label>Password : </label> <input type="text"
                                placeholder="Enter password" name="password" required>
<br>
                        <br>-->
                        <div class="center1">
                                <button type="submit">Submit</button>
                        </div>
                        <br /> <br> <input type="checkbox" checked="checked">
                        Remember me



                </div>
        </div>
</body>
</html>
```

getAllUsers1.jsp

```
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<%@ page import ="java.util.List"%>
<%@ page import ="com.springmvc.model.User" %>
<%@ page isELIgnored="false" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Get All User</title>
</head>
<body>
<h1>ALL USER DATA</h1>
<%
List<User> listOfAllUsers=(List<User>)request.getAttribute("listofallUsers");
%>

<table border="2" width="70%" cellpadding="2">
<tr><th>Id</th><th>FName</th><th>LName</th><th>Username</th><th>Password</th><
/tr>
  <% for(User l:listOfAllUsers) {%>
                                        <tr>

                                        <th><%=l.getId()%></th>
                <th><%=l.getFname()%></th>
                <th><%=l.getLname()%></th>
                <th><%=l.getUsername()%></th>
```

```
                <th><%=l.getPassword() %>
                                                </tr>
            <%} %>
  </table>

</body>
</html>
```

GoBackForBuy.java

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Payment</title>
</head>
<body>
Please go back to purchase more product .
Click on buy the product to redirect to payment gateway.
</body>
</html>
```

History1.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import ="java.util.List"%>
<%@ page import ="com.springmvc.model.Order1" %>
<%@ page isELIgnored="false" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>

<h1>PURCHASE HISTORY OF USER</h1>
<%
List<Order1> listOfAllOrders=(List<Order1>)request.getAttribute("allOrders");

%>

<table border="2" width="70%" cellpadding="2">
<tr><th>Id</th><th>User Name</th><th>Product
Name</th><th>Cost</th><th>Date</th><th>Category</th></tr>
```

```
 <% for(Order1 l:listOfAllOrders) {%>
                                        <tr>

                                    <th><%=l.getId()%></th>
                <th><%=l.getUsername() %></th>
                <th><%=l.getProductname()%></th>
                <th><%=l.getCost()%></th>
                <th><%=l.getDate1()%></th>
                <th><%=l.getCategory()%></th>
                                        </tr>
            <%} %>
  </table>

</body>
</html>
```

Home.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>MyShoes</title>
</head>
<body>
        <form action="SignInUser" method="GET">
                        <button type="submit" >User Sign In</button>
                </form>

                <br>
                <br>
                <hr>

                <h1>Product 1</h1>
                <br>
                <br>
                <hr>

                <h1>Product 2</h1>
                <br>
                <br>
                <hr>

                <h1>Product 3</h1>
                <br>
                <br>
                <hr>
```

```
Product page
</body>
</html>
```

Home1.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<%@ page import ="java.util.List"%>
<%@ page import ="com.springmvc.model.Product" %>
<%@ page import ="com.springmvc.model.User" %>
<%@ page import="com.springmvc.pojo.PurchaseTable" %>
<%@ page import="org.springframework.web.servlet.ModelAndView"%>
<%@ page isELIgnored="false" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
List<Product> listOfAllProduct=(List<Product>)request.getAttribute("listOfAllProducts");
User user=(User)request.getAttribute("User");

%>

<br>
    User: <%=user.getUsername() %>


                    <br>
                    <hr>
        <% int i=0; %>
                    <% for(Product p:listOfAllProduct) {%>
                     ProductName :
                    <%=p.getProductname()  %><br>
                    Cost :
            <%=p.getCost() %> Rs.<br>
             Category :
            <%=p.getCategory() %><br>
                     <form action="purchase<%=i%>" method="POST">


                     <button type="submit">Purchase<%=i%></button>
                     </form>
                     <%i=i+1; %>
                    <hr>
```

```
                    <%} %>
                    <form action="purchase" method="POST">
            <button type="submit">Buy the Products</button>
            </form>
</body>
</html>
```

Indexprev.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
        pageEncoding="ISO-8859-1"%>
<html>
<head>
<meta charset="ISO-8859-1">

<title>Role</title>

<link href="<c:url value="/css/login1.css" />" rel="stylesheet"></link>

</head>
<body>
        <div class="center">
                <div class="center1">
                <h5>Click the button as per your Role</h5>



                    <div class="center1">
                     <form action="HomePage" method="GET">
                            <button type="submit" >User</button>
                    </form>
                    <form action="AdminLogin" method="POST">
                        <button type="submit">Admin</button>
                    </form>

                    </div>
                    <br /> <br>



                </div>
        </div>
</body>
</html>
```

invalidCredential.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
      Your credentials are not valid. Please Enter valid credential.
</body>
</html>
```

invalidCredentialNew.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
      Your credentials are not valid. Please Enter valid credential.


</body>
</html>
```

LinkPage.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Admin Link Page</title>
</head>
<body>
    1.<a href="createUser">Create User</a><br>
    2.<a href="getAllUsers">Get All users</a><br>
    3.<a href="purchaseHistory">Get all purchase History</a><br>
    4.<a href="purchaseReport">Purchase report filtered by date and category</a><br>
</body>
</html>
```

MyShoesProductPage.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>My Shoes Product Page</title>
</head>
<body>
<br>
                        <br>
                        <hr>

                        <h1>Shoes 1</h1>
                        <br>
                        <br>
                         <form action="purchaseProduct1" method="GET">
                                <button type="submit" >Purchase 1</button>
                        </form>
                        <hr>

                        <h1>Shoes 2</h1>
                        <br>
                        <br>
                         <form action="purchaseProduct2" method="GET">
                                <button type="submit" >Purchase 2</button>
                        </form>
                        <hr>

                        <h1>Shoes 3</h1>
                        <br>
                        <br>
                         <form action="purchaseProduct3" method="GET">
                                <button type="submit" >Purchase 3</button>
                        </form>
                        <hr>
                         <form action="BuyTheProducts" method="GET">
                                <button type="submit" >Buy The Shoes</button>
                        </form>
</body>
</html>
```

purchasedProducts.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
```

```
<%@ page import ="java.util.List"%>
<%@ page import ="com.springmvc.model.PurchaseTableProducts" %>
<%@ page isELIgnored="false" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%List<PurchaseTableProducts>
listOfAllPurchasedProducts=(List<PurchaseTableProducts>)request.getAttribute("purchased
Products"); %>



<hr>

                        <% for(PurchaseTableProducts p:listOfAllPurchasedProducts) {%>
                          ProductName :
                        <%=p.getProductname()  %><br>
                        Cost :
                <%=p.getCost() %> Rs.<br>
                 Category :
                <%=p.getCategory() %><br>


                        <hr>
                        <%} %>
Redirecting to Payment Gateway...
</body>
</html>
```

purchaseHistory1.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
Purchase History of Single User
<form action="history" method="get">
        <input type="text"  name="username" placeholder="Enter username"/>
        <button type="Submit">Search User Transactions</button>
```

```
</form>
</body>
</html>
```

PurchaseReports1.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<%@ page import ="java.util.List"%>
<%@ page import ="com.springmvc.model.Order1" %>
<%@ page isELIgnored="false" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Purchase Report</title>
</head>
<body>
<h1>Purchase Report of ALL User With Date & Category</h1>

<%
List<Order1> listOfAllOrders=(List<Order1>)request.getAttribute("AllUserReport");

%>

<table border="2" width="70%" cellpadding="2">
<tr><th>Id</th><th>User Name</th><th>Product
Name</th><th>Cost</th><th>Date</th><th>Category</th></tr>
  <% for(Order1 l:listOfAllOrders) {%>
                                        <tr>

                                    <th><%=l.getId()%></th>
                <th><%=l.getUsername() %></th>
                <th><%=l.getProductname()%></th>
                <th><%=l.getCost()%></th>
                <th><%=l.getDate1()%></th>
                <th><%=l.getCategory()%></th>
                                        </tr>
              <%} %>
  </table>

</body>
</html>
```

UserCreatedSuccess.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>User Creation Success</title>
</head>
<body>
User created successfully.
</body>
</html>
```

userLogin.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
         pageEncoding="ISO-8859-1"%>
<html>
<head>
<meta charset="ISO-8859-1">

<title>Login</title>

<link href="<c:url value="/css/login1.css" />" rel="stylesheet"></link>

</head>
<body>
        <div class="center">
                <div class="center1">
                        <h1>User Login</h1>

                    <form action="Login" method="POST">

                        <label>Username : </label> <input type="text"
                                placeholder="Enter Username" name="username" required>
<br>
                        <br> <label>Password : </label> <input type="password"
                                placeholder="Enter Password" name="password" required>
<br>
                        <br>
                        <div class="center1">
                                <button type="submit">Login</button>
                        </div>
                        <br /> <br> <input type="checkbox" checked="checked">
                        Remember me
```

```
                </div>
        </div>
</body>
</html>
```

Spring-servlet.jsp

```
<?xml version="1.0" encoding="UTF-8"?>
<beans
        xmlns="http://www.springframework.org/schema/beans"
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns:context="http://www.springframework.org/schema/context"
        xmlns:p="http://www.springframework.org/schema/p"
        xmlns:tx="http://www.springframework.org/schema/tx"
        xmlns:mvc="http://www.springframework.org/schema/mvc"
        xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
        http://www.springframework.org/schema/context
        http://www.springframework.org/schema/context/spring-context.xsd
         http://www.springframework.org/schema/tx
   http://www.springframework.org/schema/tx/spring-tx.xsd
    http://www.springframework.org/schema/mvc
   http://www.springframework.org/schema/mvc/spring-mvc.xsd"
        >
        <tx:annotation-driven/>
        <context:component-scan base-
package="com.springmvc.controller"></context:component-scan>
        <context:component-scan base-
package="com.springmvc.service"></context:component-scan>


        <mvc:annotation-driven/>
        <mvc:resources mapping="/css/**" location="/css/" />

        <bean name="viewResolver"
class="org.springframework.web.servlet.view.InternalResourceViewResolver">
        <property name="prefix" value="/WEB-INF/views/"></property>
        <property name="suffix" value=".jsp"></property>
        </bean>


        <bean
                class="org.springframework.jdbc.datasource.DriverManagerDataSource"
                name="ds">
```

```
		<property name="driverClassName"
			value="com.mysql.jdbc.Driver" />
		<property name="url"
			value="jdbc:mysql://localhost:3306/springecommerce" />
		<property name="username" value="root" />
		<property name="password" value="1234"></property>

	</bean>




	<bean
		class="org.springframework.orm.hibernate5.LocalSessionFactoryBean"
		name="factory">

		<!-- data source -->
		<property name="dataSource" ref="ds"></property>

		<!-- hibernate properties -->
		<property name="hibernateProperties">
			<props>
				<prop
key="hibernate.dialect">org.hibernate.dialect.MySQL8Dialect</prop>
				<prop key="hibernate.show_sql">true</prop>
				<prop key="hibernate.hbm2ddl.auto">update</prop>
			</props>
		</property>

		<!-- annotated classes -->
		<property name="annotatedClasses">
			<list>
				<value>
					com.springmvc.model.Admin

				</value>
				<value>
					com.springmvc.model.User

				</value>
				<value>
					com.springmvc.model.Product

				</value>

				<value>
					com.springmvc.model.PurchaseTableProducts
```

```
                        </value>

                        <value>
                                com.springmvc.model.Order1

                        </value>

                </list>
        </property>
        <!--  <property name="annotatedClasses">

                        <value>
                                com.springmvc.model.User

                        </value>

        </property>-->


</bean>



<bean
        class=" org.springframework.orm.hibernate5.HibernateTemplate"
        name="hibernateTemplate">
        <property name="sessionFactory" ref="factory"></property>

</bean>



<bean id="adminDao" class="com.springmvc.dao.AdminDao" >
        <property name="hibernateTemplate" ref="hibernateTemplate"></property>
</bean>

<bean class="com.springmvc.service.AdminService" name="adminService">
        <constructor-arg ref="adminDao"/>
</bean>


<bean id="userDao" class="com.springmvc.dao.UserDao" >
        <property name="hibernateTemplate" ref="hibernateTemplate"></property>
</bean>

<bean class="com.springmvc.service.UserService" name="userService">
        <constructor-arg ref="userDao"/>
</bean>
```

```
	<bean id="productDao" class="com.springmvc.dao.ProductDao" >
		<property name="hibernateTemplate" ref="hibernateTemplate"></property>
	</bean>

	<bean class="com.springmvc.service.ProductService" name="productService">
		<constructor-arg ref="productDao"/>
	</bean>


	<bean id="purchaseTableProductsDao"
class="com.springmvc.dao.PurchaseTableProductsDao" >
		<property name="hibernateTemplate" ref="hibernateTemplate"></property>
	</bean>

	<bean class="com.springmvc.service.PurchaseTableProductsService"
name="purchaseTableProductsService">
		<constructor-arg ref="purchaseTableProductsDao"/>
	</bean>


	<bean id="orderDao" class="com.springmvc.dao.OrderDao" >
		<property name="hibernateTemplate" ref="hibernateTemplate"></property>
	</bean>

	<bean class="com.springmvc.service.OrderService" name="orderService">
		<constructor-arg ref="orderDao"/>
	</bean>

	<bean
		class="org.springframework.orm.hibernate5.HibernateTransactionManager"
		name="transactionManager">
		<property name="sessionFactory" ref="factory"></property>
	</bean>
</beans>
```

Web.xml

```
<!DOCTYPE web-app PUBLIC
 "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"
 "http://java.sun.com/dtd/web-app_2_3.dtd" >

<web-app>
	<display-name>Archetype Created Web Application</display-name>



	<servlet>
```

```
		<servlet-name>spring</servlet-name>
		<servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>

	</servlet>

	<servlet-mapping>
		<servlet-name>spring</servlet-name>
		<url-pattern>/</url-pattern>
	</servlet-mapping>
</web-app>
```

Pom.xml

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
	xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
	xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
	<modelVersion>4.0.0</modelVersion>
	<groupId>MyShoesP1</groupId>
	<artifactId>MyShoesP1</artifactId>
	<version>0.0.1-SNAPSHOT</version>
	<packaging>war</packaging>


	<dependencies>



		<dependency>
			<groupId>taglibs</groupId>
			<artifactId>standard</artifactId>
			<version>1.1.2</version>
		</dependency>
		<!-- https://mvnrepository.com/artifact/org.springframework/spring-webmvc -->
		<dependency>
			<groupId>org.springframework</groupId>
			<artifactId>spring-webmvc</artifactId>
			<version>5.2.4.RELEASE</version>
		</dependency>

		<!-- https://mvnrepository.com/artifact/org.springframework/spring-orm -->
		<dependency>
			<groupId>org.springframework</groupId>
			<artifactId>spring-orm</artifactId>
			<version>5.2.3.RELEASE</version>
		</dependency>
		<!-- https://mvnrepository.com/artifact/org.hibernate/hibernate-core -->
```

```
		<dependency>
			<groupId>org.hibernate</groupId>
			<artifactId>hibernate-core</artifactId>
			<version>5.4.2.Final</version>
		</dependency>



		<!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -->
		<dependency>
			<groupId>mysql</groupId>
			<artifactId>mysql-connector-java</artifactId>
			<version>8.0.27</version>
		</dependency>
		<dependency>
			<groupId>junit</groupId>
			<artifactId>junit</artifactId>
			<version>4.11</version>
			<scope>test</scope>
		</dependency>



		<!-- https://mvnrepository.com/artifact/org.apache.tomcat.embed/tomcat-
embed-jasper -->
		<dependency>
			<groupId>org.apache.tomcat.embed</groupId>
			<artifactId>tomcat-embed-jasper</artifactId>
			<version>10.1.5</version>
		</dependency>

	</dependencies>
	<build>
		<plugins>
			<plugin>
				<artifactId>maven-compiler-plugin</artifactId>
				<version>3.8.1</version>
				<configuration>
					<release>17</release>
				</configuration>
			</plugin>
			<plugin>
				<artifactId>maven-war-plugin</artifactId>
				<version>3.2.3</version>
			</plugin>
		</plugins>
	</build>
</project>
```