동영상에 제시한 CSEmall을 수행하는 프로그램을 작성하라.
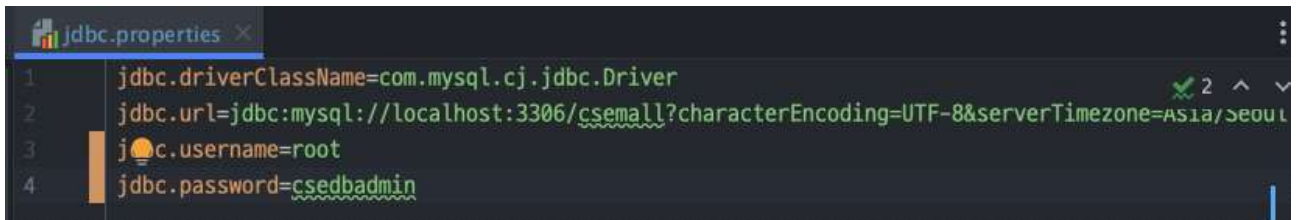
1871069 김진웅
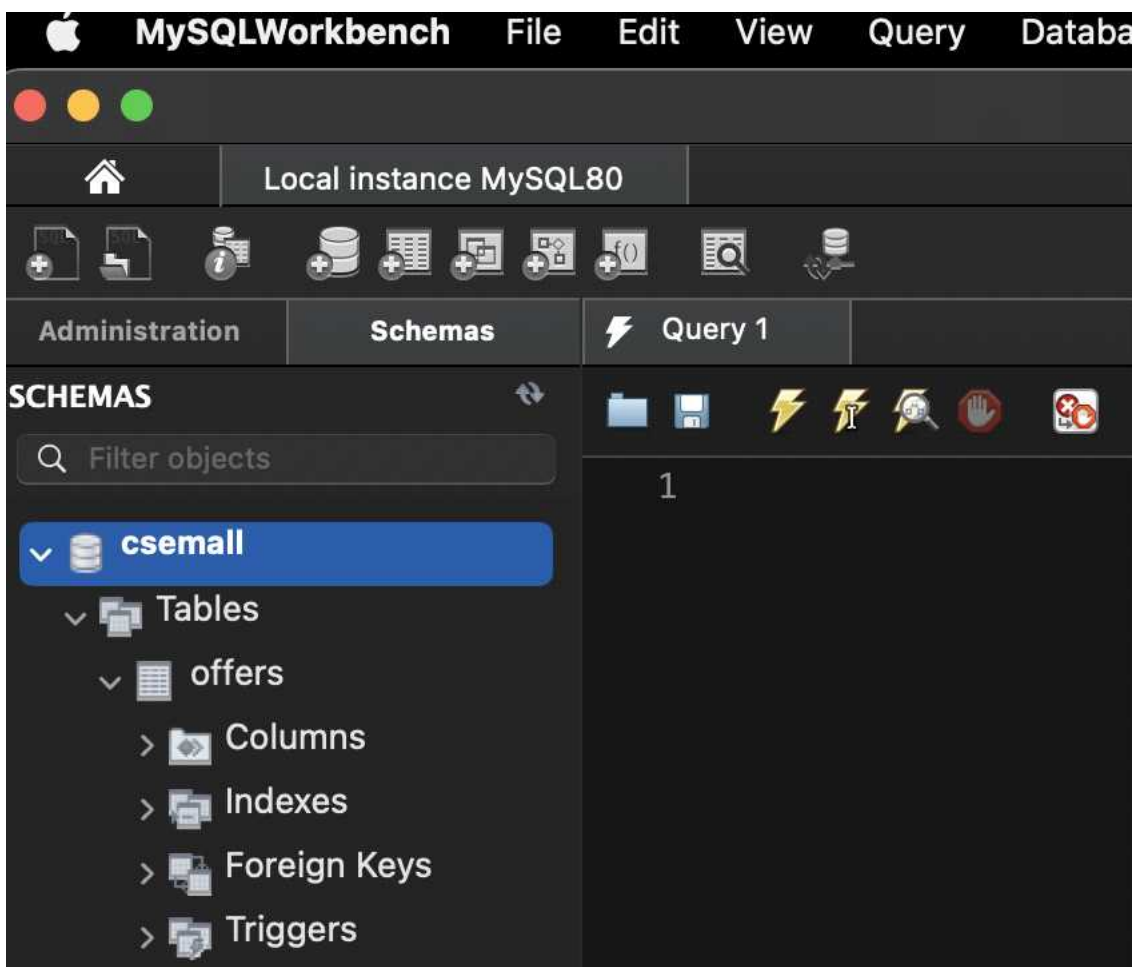
1. props/jdbc.properties

MySQL server에 로그인하기 위한 root, password 입력

2. csemall 데이터베이스 생성

3. spring configration

servlet-context.xml : Package "kr.ac.hasnung.cse.controller"를 스캔하여 bean을 등록하는 코드 추가

```xml
    xmlns:context="http://www.springframework.org/schema/context"
    xsi:schemaLocation="http://www.springframework.org/schema/mvc http://www.spring
        http://www.springframework.org/schema/beans http://www.springframework.org/
        http://www.springframework.org/schema/context http://www.springframework.o

    <!-- DispatcherServlet Context: defines this servlet's request-processing
        infrastructure -->

    <!-- Enables the Spring MVC @Controller programming model -->
    <annotation-driven/>

    <!-- Handles HTTP GET requests for /resources/** by efficiently serving
        up static resources in the ${webappRoot}/resources directory -->
    <resources mapping="/resources/**" location="/resources/" />


    <beans:bean id="tilesViewResolver"
        class="org.springframework.web.servlet.view.tiles3.TilesViewResolver">
    </beans:bean>

    <beans:bean id="tilesConfigurer"
        class="org.springframework.web.servlet.view.tiles3.TilesConfigurer">
        <beans:property name="definitions">
            <beans:list>
                <beans:value>/WEB-INF/tiles-def/tiles.xml</beans:value>
            </beans:list>
        </beans:property>
    </beans:bean>

    <context:component-scan base-package="kr.ac.hansung.cse.controller" />

</beans:beans>
```

service-context.xml : Package "kr.ac.hansung.cse.service"를 스캔하여 bean 등록하는 코드 추가

```xml
MVC appServlet 서블릿 컨텍스트      모듈 eStore 내. 파일이 4개 컨텍스트에 포함되어 있습니
    <?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"
        xsi:schemaLocation="http://www.springframework.org/schema/beans http://
            http://www.springframework.org/schema/context http://www.springfra

        <context:annotation-config></context:annotation-config>-->
        <context:component-scan base-package="kr.ac.hansung.cse.service" />

    </beans>
```

4. edit.jsp

<코드>

```jsp
            <sf:input path="name" id="name" class="form-control" />
            <sf:errors path="name" cssStyle="color:#ff0000;"/>
        </div>


        <%--
                여기를 추가하여 완성할 것
        --%>
        <div class="form-group">
            <label for="category">Category:</label>
            <sf:radiobutton path="category" id="computer" value="컴퓨터" checked="checked"/
            <sf:radiobutton path="category" id="appliance" value="가전"/><label for="applia
            <sf:radiobutton path="category" id="goods" value="잡화"/><label for="goods">
        </div>

        <div class="form-group">
            <label for="description">Description</label>
            <sf:textarea path="description" id="description" class="form-control" rows="2"
            <sf:errors path="description" cssStyle="color:#ff0000;"/>
        </div>

        <div class="form-group">
            <label for="price">Price</label>
            <sf:input path="price" id="price" class="form-control" type="number" min="0" />
            <sf:errors path="price" cssStyle="color:#ff0000;"/>
        </div>

        <div class="form-group">
            <label for="unitInStock">Unit In Stock</label>
            <sf:input path="unitInStock" id="unitInStock" class="form-control" type="number
            <sf:errors path="unitInStock" cssStyle="color:#ff0000;"/>
        </div>
```

<결과>

5. AdminController.java 작성

5-1. product 추가

<코드>

```java
@PostMapping("/productInventory/addProduct")
public String addProductPost(@Valid Product product, BindingResult result) {
    if(result.hasErrors()) {
        System.out.println("Form data has some errors");
        List<ObjectError> errors = result.getAllErrors();

        for(ObjectError error:errors) {
            System.out.println(error.getDefaultMessage());
        }
        return "editProduct";
    }

    productService.addProduct(product);
    return "redirect:/productInventory";
}
```

<결과 (추가 및 결과 순으로)>

localhost:8080/eStore/productInventory

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CSEmall   상품관리   상품보기

Product Inventory

제품 재고 현황입니다.

Name	Category	Price	Manufacturer	UnitInStock	Description	
노트북	컴퓨터	1500	삼성전자	100	가볍고 빨라요.	✗ ✎
TV	가전	2000	LG 전자	100	65인치	✗ ✎

Add Product

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5-2. 특정 Product 삭제

<코드>
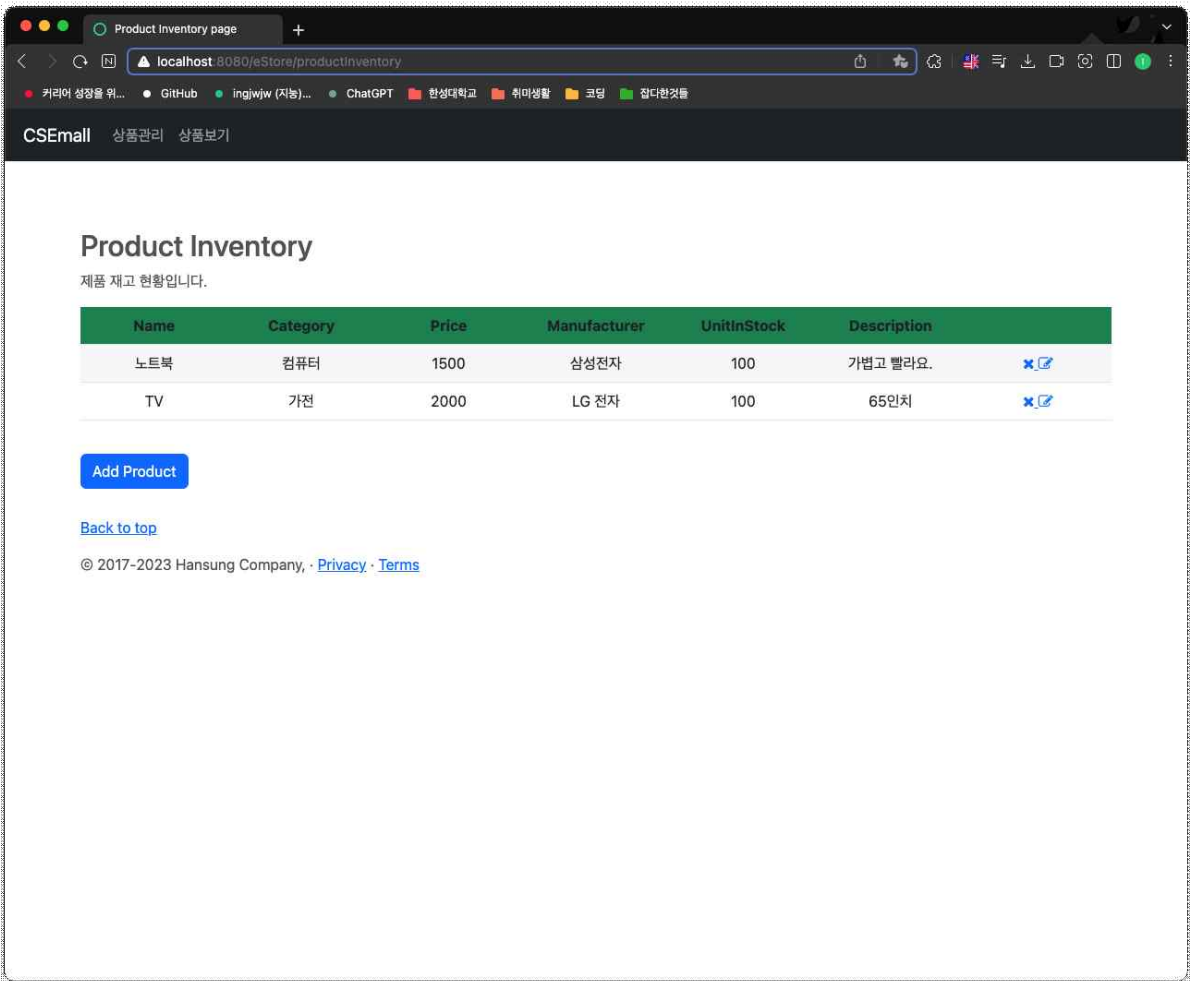

```java
@GetMapping("/productInventory/deleteProduct/{id}")
public String deleteProduct(@PathVariable int id) {
    Product product = productService.getProductById(id);
    productService.deleteProduct(product);
    return "redirect:/productInventory";
}
```

<결과 – TV를 삭제>