

Objective

The objective of this workshop is to create a new order. The workshop will use transaction to ensure the integrity of the data as the application inserts multiple records into 2 tables.

Setup

- a. Ensure that you have Northwind database installed in your MySQL server. Create a separate database user for accessing Northwind. Do not use MySQL root user.
- b. Generate a SpringBoot application and include the following dependencies:
 - i. SpringBoot Dev Tools
 - ii. Spring Web
 - iii. Thymeleaf
 - iv. JDBC API
 - v. MySQL Connector Java
 - vi. JSON-P

Workshop

Create a database with the following 2 tables:

orders table

Column name	Type
order_id	auto_increment
order_date	date
customer_name	varchar(128)
ship_address	varchar(128)
notes	text
tax	decimal(2,2) default is 0.05

order_details table

Column name	Type
id	auto_increment
product	varchar(64)
unit_price	decimal(3,2)
discount	decimal(2,2) default is 1.0

quantity	int
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`orders` table has a one to many relationships with `order_details`.

Write a HTML form to create an order (with order details) in the database.

The form should use the following HTTP to send the details of the order to the server

```
POST /order
```

```
Content-Type: application/x-www-form-urlencoded
```

Write the Spring Boot application to process this request. The endpoint should then insert the new order into the `orders` table.

Return appropriate error message if the insert fails.

A new order involves inserting one or more records into `orders` and `order_details` table.