

Exercise 7: Implementing Constructor and Setter Injection
Objective: Demonstrate both constructor and setter injection.

Solution:

Target class:

```
java
public class OrderService {
    private PaymentService paymentService;
    private NotificationService notificationService;

    // Constructor injection
    public OrderService(PaymentService paymentService) {
        this.paymentService = paymentService;
    }

    // Setter injection
    public void setNotificationService(NotificationService
notificationService) {
        this.notificationService = notificationService;
    }
}
```

XML configuration:

```
xml
<bean id="paymentService" class="com.example.PaymentServiceImpl"/>
<bean id="notificationService"
class="com.example.NotificationServiceImpl"/>

<bean id="orderService" class="com.example.OrderService">
    <constructor-arg ref="paymentService"/>
    <property name="notificationService" ref="notificationService"/>
</bean>
```