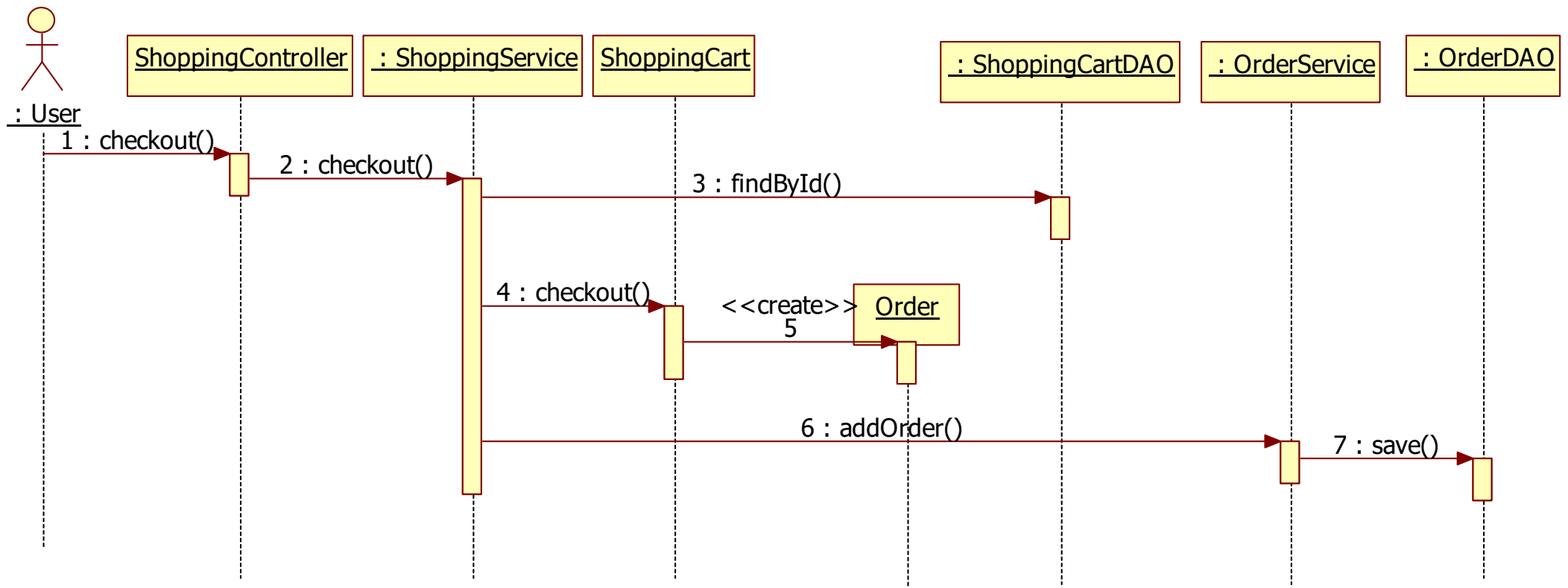


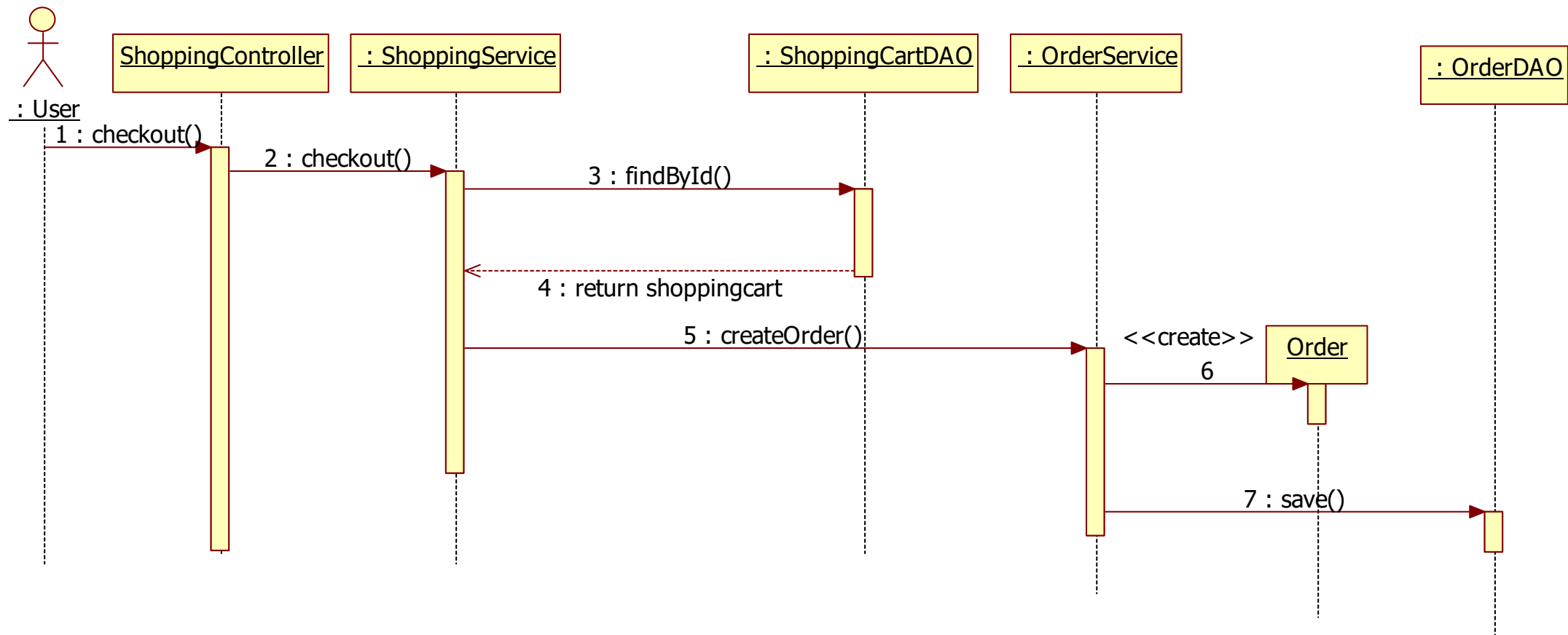
Checkout the shoppingcart

1. Let the ShoppingCart create the Order
2. Let the Order create itself from a ShoppingCart
3. Let a domain service “OrderFactory” create the Order from a ShoppingCart
4. Let the service class create the Order from a ShoppingCart

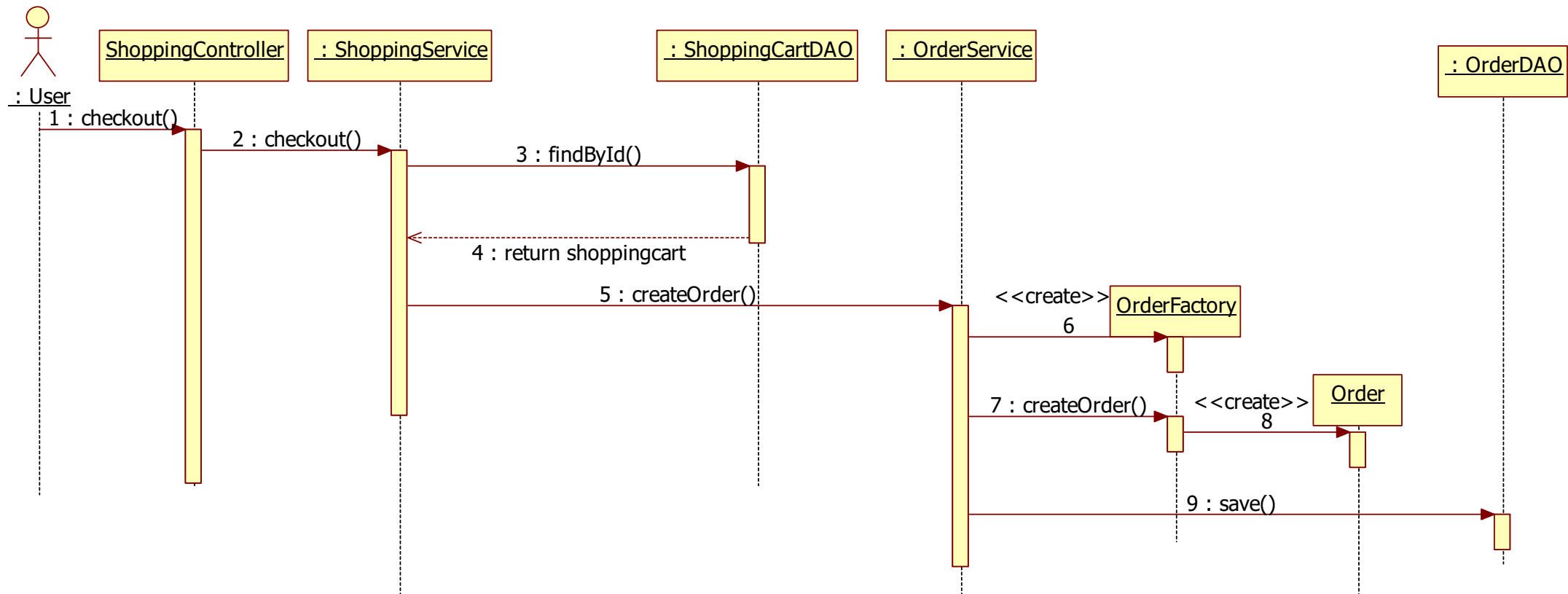
1. Let the ShoppingCart create the Order



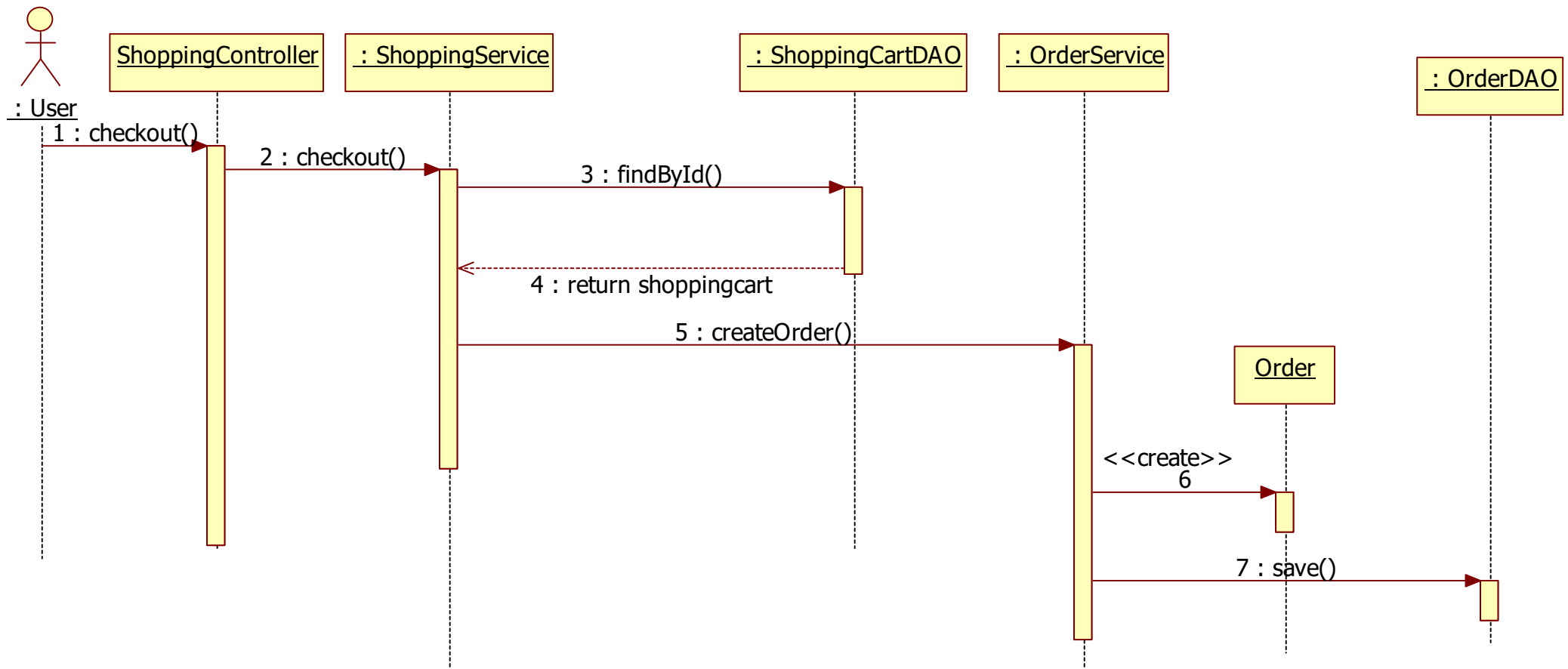
2. Let the Order create itself from a ShoppingCart



3. Let a domain service “OrderFactory” create the Order from a ShoppingCart



4. Let the service class create the Order from a ShoppingCart



OrderFactory domain service

```
public class OrderFactory {  
  
    public static Order createOrder(ShoppingCart cart) {  
        Order order = new Order(cart.getCartid(), new Date(), "placed");  
        for (CartLine cline : cart.getCartlineList()) {  
            OrderLine online = new OrderLine();  
            //create an order product from a shopping product  
            Product product = new Product(cline.getProduct().getProductnumber(),  
                                           cline.getProduct().getDescription(), cline.getProduct().getPrice());  
            online.setProduct(product);  
            online.setQuantity(cline.getQuantity());  
            order.addOrderLine(online);  
        }  
        return order;  
    }  
}
```

