

FASHIONS EXPRESS

FASHIONS EXPRESS is a retailer in Stockholm selling trendy clothes. The founder has decided that she want to invest in a web based system in order for customer to order over the web. As a first step she want you to do a conceptual model over the major concepts used in the organization as well as a first draft of a process model describing the new process when the web based system is implemented.

Your first task is to create a conceptual schema in UML Class Diagram based on the domain description below:

When a customer wants to order clothes, the customer must first register at the company web site with her/his name, delivery address, mobile no, and email. A customer cannot order clothes without being registered (but a customer just needs to register once, not every time she/he wants to order cloth)

The customer can search products via various categories, such as pants, T-shirts, socks, or through the brand (brand), as Levi's or Wrangler. Each category and brand has a short description what is included in the category. Each brand also have info who owns the brand. Each product has a product name, product number and price. For each order, one or several product(s) are ordered, and the customer can order several items of each product. The order is paid by credit/debit card.

To encourage orders, customers are offered discount coupons. Only one discount coupon can be used for each customer order. The discount apply to the entire order, not for specific products. Each discount coupon provides a certain discount percentage of the order. To obtain the discount, the customer needs to provide a discount coupons number printed on the coupon, which is a unique number for each discount coupon.

Your next task is to describe the following process using UML Activity Diagram based on the domain description below:

When an order is received, an Admin Employee check that the order is OK. If not, an email is sent to the customer informing the customer what was wrong with order - and then the process end. If the order is OK, a storage warehouse order (that is, a SW order) is created in the system by the Admin and the Admin will then send the created SW order to the storage warehouse. A Warehouse Employees receive the SW order in his/her system. The Warehouse Employees put the ordered cloth in a box and transports the box to the delivery department for delivery. A Delivery Employee will send the box to the customer's delivery address with necessary documents. Note, however, if a product does not exist in the Warehouse, the Warehouse Employee needs do two things, in any order: inform the customer about the delay via email, order new product items of the missing product from the supplier of the product.

Your final task is to discuss how to change the process described above to make it more efficient.