floggit webshop part 2

For students that wish to obtain the grade of VG the following assignment must also be completed to the required standard. This assignment builds upon the group work floggit webshop. This assignment must be completed **individually** and represent the students **own work.**

Hand-in: The code for your assignment should be zipped and sent to tom@arctictiger.se no later than the 28 February 2014.

Background:

At present the floggit shop allows users to add items to their shopping basket. Floggit now needs functionality for purchasing a basket. Purchasing a basket means that the items in the shopping basket have to be passed to the orders department for processing by floggit's warehouse staff. Floggit also needs to ensure before an order is placed that all the items are in stock. So it will be necessary to track the stock count of each product. It will also be necessary to reduce the stock count of products based on new orders coming in.

Database system requirements

You will need to make the relevant changes to your database so you can:

   a) register and track the stock count of each product.
   b) track actual orders and link them to users. It will be important for the warehouse to know the date the order was made so make sure this is supported in your model..

JAVA database api

Add functionality to create an order from a shopping basket.
Make sure you check that everything in the shopping basket is in stock before creating a new order. When an order is created the stock count for the products effected by the order should be reduced by the correct amount.

Create a method for listing all orders. The information retrieved for an individual order should include the products and quantities of products for each order the date of the order, contact information to the user who created the order, total cost of the order and profit from the order (RRP - Cost). This function will be used by the warehouse and the list should be sorted by order date with the oldest order appearing at the top of the list.

Create a method that lists all stock that floggit has less than x items of.

JAVA console tool

Create functionality in the console tool for listing all the current orders (using the new api method). Create functionality in the console tool for listing all products that a re low in stock.