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CIS453

11/29/21

Quiz

1. Software must be developed for a mobile app for customers of a hardware store (such as Home Depot), whose goals are to enable checking availability of items in warehouses and stores, as well as placing, modifying, paying for, and canceling orders.  In one possible scenario, a supply-chain problem arises due to shipping delays, and it is discovered that an item ordered by a customer is not available, and can no longer be delivered as scheduled.  **How should the software design account for this scenario?**Indicate what this necessitates in the user interfaces and classes (data and methods).

The software design should have a object oriented database that handles the item ID and number of items available. Because this has failed, we need a different database to handle outside errors such as this one. The administrator’s interface will be accessed once the error is identified and they provide the error code to the software putting a halt on items that are not able to be shipped, it will not change the number of items, simply the visibility of the item. The administrator’s interface will have a list of buttons displaying the type of errors available and that is how they will update the primary database. Secondly, the customer will be updated about the delivery status and be issued a refund for the item and the item will no longer be visible on the website or application. The only methods being called by the administrator are: hideItems([ListOfItems]), refundCustomer(item). The list of problems in the administrator’s interface can be:

* Items cannot be shipped
* Items cannot be found
* Items lost in transport