

Argument

Anqi Chen, B00838586

There are several points to make my operations meet the requires.

1. The history of the purchases made from suppliers can be automatically built as a new table;
2. The structure of entity relation is concise and clear, with only two more tables;
3. The data in new tables are generated from the origin ones without any huge alteration;
4. The ship_order method will update the latest inventory information, like the shipped date and the number of units in stock, and will only run after the order is shipped;
5. The reorder level condition in Issue_reorders method is reasonable and close to reality life, also makes it easy to request a purchase order from one of our suppliers;
6. When analyzing the cost of items, the unit price is put into a division operation, then we can easily get the unit price of supplier;
7. When received order, the order statues in table Reorder and the stock in table products will immediately be updated, which also make sure that the inventory is the latest;
8. All the methods are readable, and will throw an OrderException and return meaningful messages when some exceptions occur.