

HW01 – Supermarket Checkout

Pre-Conditions

- 1) Have a cash register with conveyor belt
- 2) Have a customer who is shopping
- 3) Have a calculator and a price list

Solution

- 1) Ask customer to put the items in conveyor belt
- 2) For every item, watch the items in belt and put a mark on price list for corresponding items.
 - If there are more than one for the same item then write the piece count next to the item's name on price list else go to step 3
 - If the item's name isn't on the price list then
 - stop the conveyor
 - go to your boss and ask for the price, add it on the price list then continue to step 3
- 3) Calculate the total amount with calculator and have the customer pay the total amount
 - If the payment fails, get customer out of the shop else go to step 4
- 4) Give receipt to the customer
- 5) Let the customer place the items into the bag and leave

Post-Conditions

- 1) Have the money which came from payment in the vault
- 2) Check the inventory information whether the items that have been bought deleted from inventory database or not