



BITS Pilani

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Object Oriented Analysis & Design Module-2 (RL 2.3.2)

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Fully Dressed Use Case for PoS

Fully-dressed example: Process Sale



Use case UC1: Process Sale

Primary Actor: Cashier

Stakeholders and Interests:

- Cashier: Wants accurate and fast entry, no payment errors, ...
- Salesperson: Wants sales commissions updated.

...

Preconditions: Cashier is identified and authenticated.

Success Guarantee (Postconditions):

- Sale is saved. Tax correctly calculated.

...

Main success scenario (or basic flow): [see next slide]

Extensions (or alternative flows): [see next slide]

Special requirements: Touch screen UI, ...

Open issues: What are the tax law variations? ...

Fully dressed example: Process Sale (cont.)



Main success scenario (or basic flow):

1. The Customer arrives at a POS checkout with items to purchase.
2. The cashier records the identifier for each item. If there is more than one of the same item, the Cashier can enter the quantity as well.
3. The system determines the item price and adds the item information to the running sales transaction. The description and the price of the current item are presented.
4. On completion of item entry, the Cashier indicates to the POS system that item entry is complete.
5. The System calculates and presents the sale total.
6. The Cashier tells the customer the total.
7. The Customer gives a cash payment (“cash tendered”) possibly greater than the sale total.

Extensions (or alternative flows):

- 2a. If sticker is tampered. Enter item id manually
If invalid identifier entered. Indicate error.
If customer didn't have enough cash, cancel sales transaction.
*If Power failure. Restart the transaction.