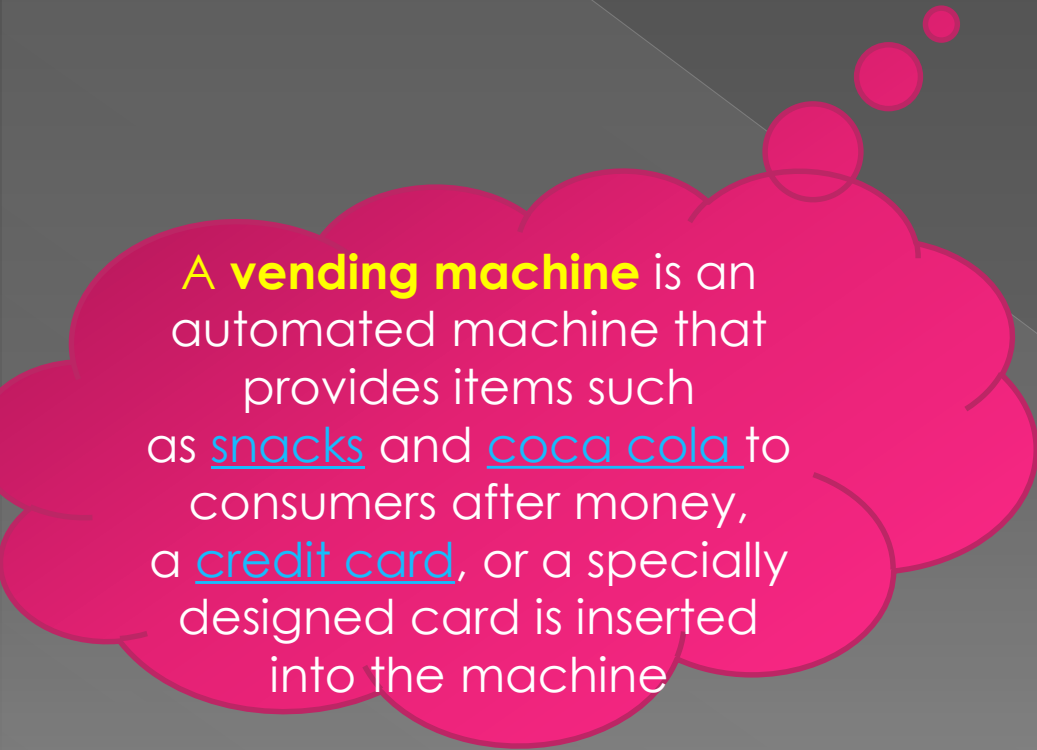


Vending Machine

Dr. Fatma Elfouly



A **vending machine** is an automated machine that provides items such as snacks and coca cola to consumers after money, a credit card, or a specially designed card is inserted into the machine

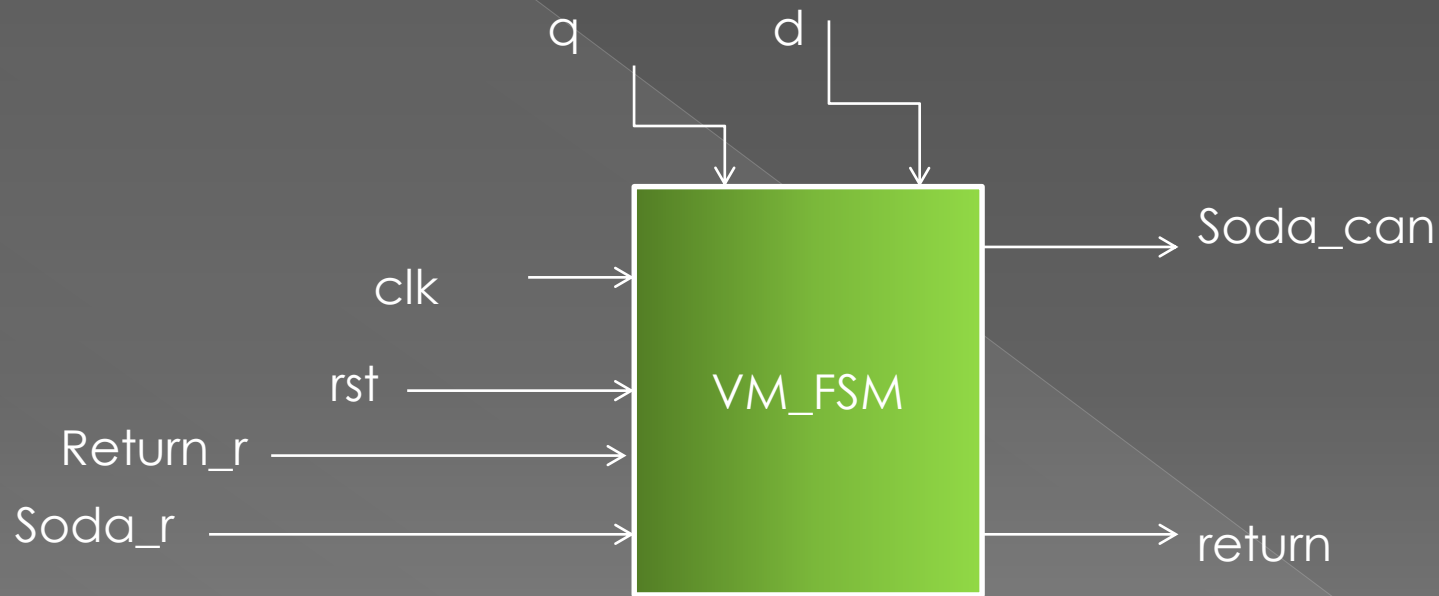
Vending Machine

◎ The Design Requirements:

- ❖ Takes only quarters or dollar coins
- ❖ Won't hold more than 1.00 \$
- ❖ Sodas cost 0.75 \$/one
- ❖ Possible actions (inputs):
 - ❖ Deposit 0.25 \$
 - ❖ Deposit 1.00 \$
 - ❖ Push button to get soda (Soda_r)
 - ❖ Push button to get money returned (Return_r)

Vending Machine

● Block Diagram



Vending Machine

VM_FSM

