



## Mawaqif Parking Machine State Diagram

S.No.	States	Inputs	Outputs
1	Idle	Green Button	Print
2	Counting	Red Button	Returnmotor
3	Hours	Coin 25	
4	Printing	Coin 50	
5	Returning Change	Coin 1	

Coin25/Coin50/Coin1 is the input given to the system by the coin sensor to say which coin is inserted. Return motor is the motor responsible for driving the return change mechanism. Print is the print motor which prints the bill. There are three Global variables used in this machine to calculate stuff. Those are hours, count, and return.

