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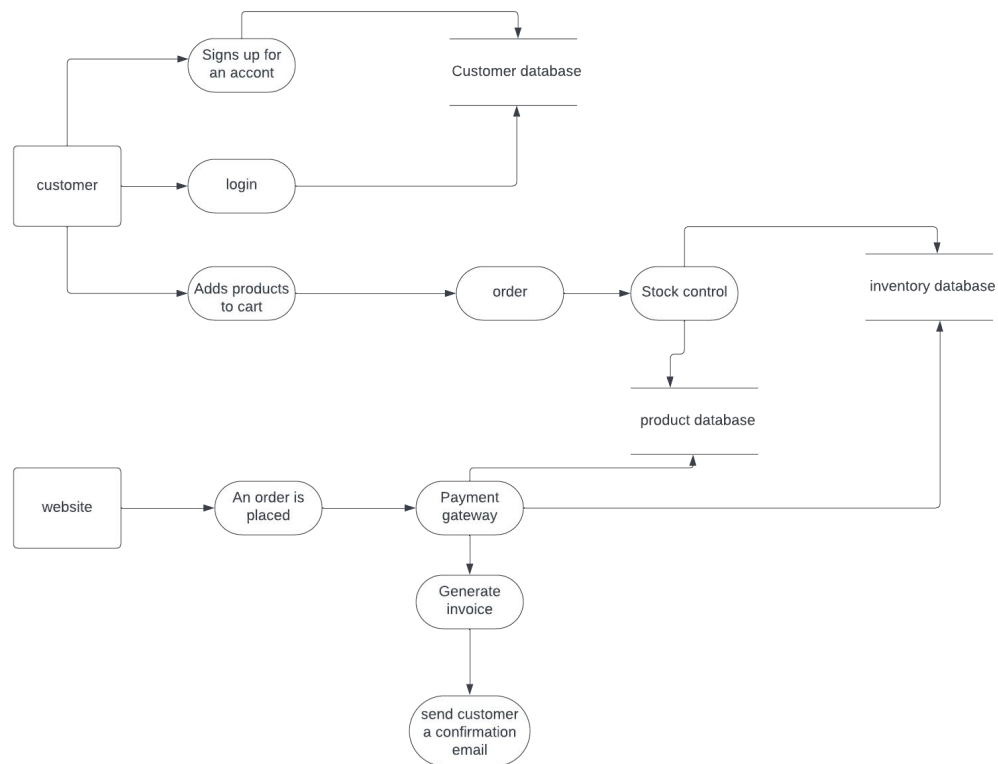


Fig 1: Data flow diagram of an online shopping system

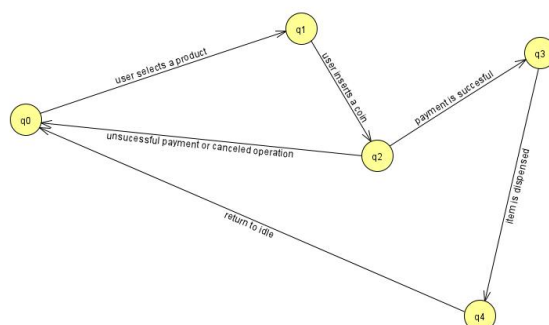


Fig2: Finite state machine model of a vending machine

STATES OF THE MODEL

- q0: idle
- q1: Selecting product
- q2: Accepting payment
- q3: Dispensing product

- q4: Returning change to user

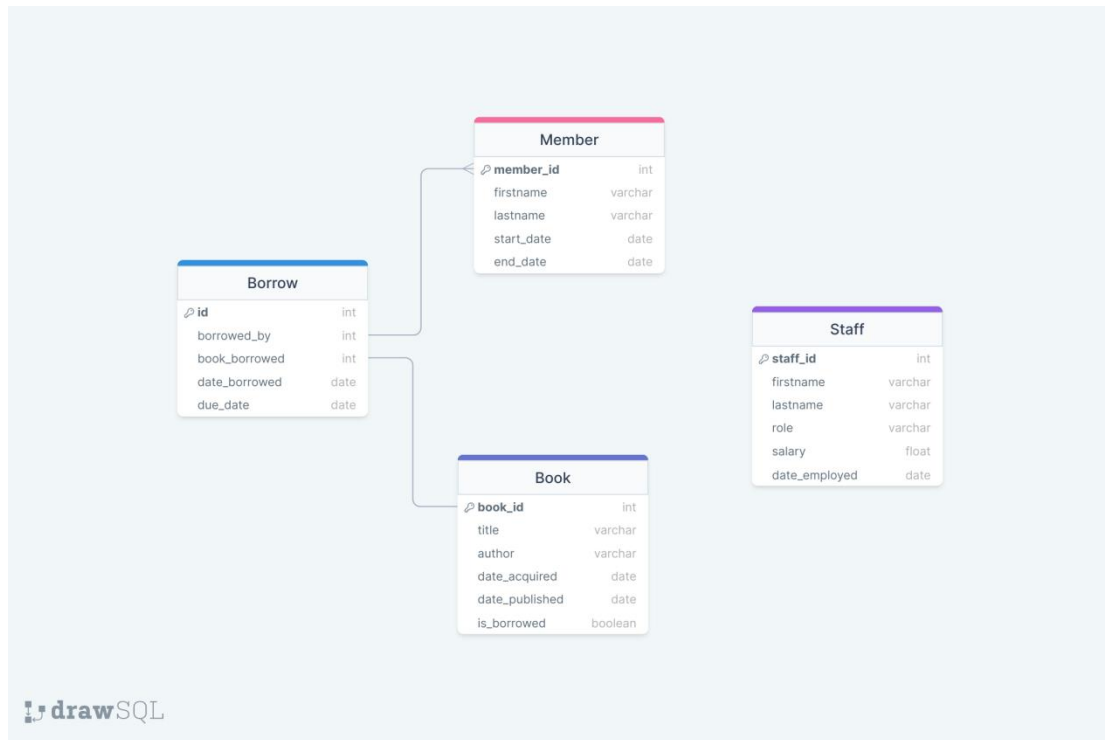


Fig3: Entity relationship diagram of a library system