

TICKET VENDING SYSTEM USE CASE

Problem statement:

A Ticket Vending Machine (TVM) dispenses tickets to passengers at a railway station. Passengers use the front panel to specify their boarding and destination place, details of Passenger (number of adults & children) and date of travel. The machine displays the fare for the requested ticket. The passenger then deposits cash in the bin provided and presses "accept cash". The machine checks the cash, if it is more, the balance cash is paid out. And the ticket requested is printed. The system is also used by operator who might want to know the cash held in the machine, the break-up of small change available in the machine, withdraw or deposit cash when needed. And the report options also include the detailed report of transactions, summary report of the number of tickets sold for each destination, opening balance, cash collected, cash dispensed and current balance in the machine.

Step 1: Identify Actors

Step 2: Draw use case diagram