

Task 3

1)

- A. The Distributor has no more tickets to issue.
- B. The Passenger inserts money from a different country.
- C. The Passenger cancels the transaction after step 1

2)

Use case name PurchaseTicket

Entry condition The Passenger is standing in front of the ticket distributor.
The Passenger has sufficient money to purchase a ticket.
The Distributor has a ticket to issue.

Flow of events 1. Passenger selects a number of zones to be traveled. If the Passenger presses multiple buttons, only the last button pressed is considered by the Distributor.
2. The Distributor displays the amount due.
3. The Passenger inserts money.
4. If the Passenger inserts unrecognized currency, the Distributor returns it.
5. If the Passenger selects a new zone before inserting sufficient money, the Distributor returns all coins and bills already inserted.
6. If the Passenger inserted more money than the amount due, the Distributor returns excess change.
7. The Distributor issues the ticket.
8. The Passenger picks up the change and the ticket.

Exit condition The Passenger has picked up the selected ticket

Alternative path At any time before the ticket is issued the Passenger may cancel the ticket order. All money is returned, and the Distributor returns to step 1.