**Use Case Descriptions**

***Sell Ticket***: This use case allows a user to purchase a ticket from the ticket vendor machine. The user selects the mode of payment, enters their payment details, and selects their destination from a menu. The machine validates the payment and issues the ticket.

***Display Menu***: This use case displays a menu of potential destinations for the user to select from.

***Accept Payment***: This use case allows the user to make a payment for the ticket using their credit card or digital wallet. The machine validates the payment and issues the ticket.

***Issue Ticket***: This use case issues a physical ticket with a barcode for the user to use on the transportation system. If payment is made with a digital wallet, a QR code is displayed instead of a physical ticket.

***Validate Credit Card***: This use case validates the user's credit card payment before issuing the ticket. If the payment is not validated, an error message is displayed.

***Display QR Code***: This use case displays a QR code for the user to scan if payment is made with a digital wallet.

***Cancel Transaction***: This use case cancels the current transaction if the user decides not to purchase a ticket.

***Provide Receipt***: This use case provides a receipt or transaction record upon request by the user.

***Maintain Machine***: This use case allows the system administrator to maintain and repair the ticket vendor machine as needed.

***Provide Usage Data***: This use case provides usage data and statistics to the system administrator for analysis and optimization.

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***Sell Ticket*** uses the ***Display Menu***, ***Accept Payment***, ***Issue Ticket***, ***Validate Credit Card***, and ***Display QR Code*** use cases.

***Accept Payment*** depends on the ***Validate Credit Card*** use case to confirm credit card payment.

***Issue Ticket*** is used by the ***Sell Ticket*** use case and uses the ***Display QR Code*** use case if payment is made with a digital wallet.

***Cancel Transaction*** is used if the user decides not to purchase a ticket during the ***Sell Ticket*** use case.

***Provide Receipt*** is used if the user requests a receipt or transaction record after purchasing a ticket.

***Maintain Machine*** and ***Provide Usage Data*** do not depend on any other use cases.