* Activity diagram for passenger buying a ticket from ticket vendor machine:

start

-> Select Destination: User selects the destination from the menu.

-> Select Payment Method: User selects the payment method (credit card, QR code, etc.).

-> Process Payment: Machine processes payment and validates the transaction.

-> Issue Ticket: Machine issues a ticket with a barcode or a QR code.

end

* Activity diagram for communication among systems if integrated with payment systems:

start

-> Request Payment: Ticket vendor machine requests payment from the payment system.

-> Process Payment: Payment system processes the payment transaction.

-> Return Payment Result: Payment system returns the payment result to the ticket vendor machine.

-> Issue Ticket: Ticket vendor machine issues a ticket with a barcode or a QR code.

End

* In this diagram, the ticket vendor machine interacts with external systems such

as Momo, VNPay, and ZaloPay. When a user selects the payment method, the ticket vendor machine sends a request to the corresponding external system to process the payment. The external system then returns a response indicating whether the payment was successful or not. Based on the response, the ticket vendor machine either issues the ticket or displays an error message.