Question 1 Part 1

sd Print names of all the passengers for a given bus

| b : Bus | r : Reservation | p: Passenger |

PrintPassengerNames(_)

loop For Each 'r' in 'b'

getPassengerName(_)

getPassengerName( )
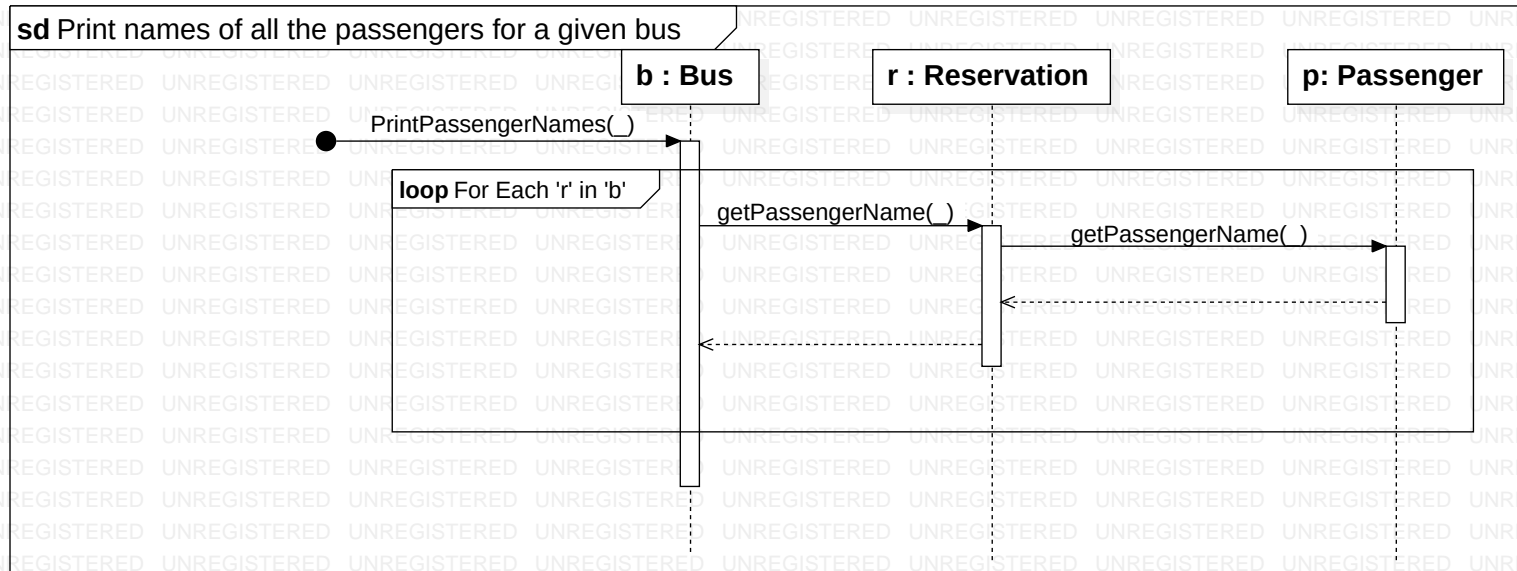
Explanation: The PrintPassengerNames(_) function is in the Bus object which is called. There is a loop in that function that iterates over each reservation object pointed to by the Bus object. In the loop, a call is made to a function getPassengerName(_) in the Reservation object. This function further calls a function getPassengerName(_) in the Passenger object. The function in Passeger object returns the name to the function in Reservation object and the function in the Reservation object returns the name in the Bus object where it is printed.