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REG NO: FA21-BSE-028

USING BOUNDARY VALUE ANALYSIS AND EQUIVALENCE PARTITIONING

Here I have three conditions so by doing boundary value analysis it makes 3 test of each functionality  
(below, middle, above)

| Test Case Description | Input (Name, ID)              | Expected Output  | Actual Output  | Result |
|-----------------------|-------------------------------|--|--|--------|
| Valid Name and ID     | ("irfan", 1)                  | "Passenger added.<br>Attendance marked for<br>irfan with id 1" | "Passenger added.<br>Attendance marked for<br>irfan with id 1" | Pass   |
| Empty Name            | ("", 2)                       | "Error: Invalid name."   | "Error: Invalid name."   | Pass   |
| Null Name             | (null, 3)                     | "Error: Invalid name."   | "Error: Invalid name."   | Pass   |
| Negative ID           | ("Ahmed", -1)                 | "Error: Invalid ID."   | "Error: Invalid ID."   | Pass   |
| Zero ID               | ("Ahmed", 0)                  | "Error: Invalid ID."   | "Error: Invalid ID."   | Pass   |
| Valid Boundary ID     | ("Ali", 1)                    | "Passenger added.<br>Attendance marked for<br>Ali with id 1"   | "Passenger added.<br>Attendance marked for<br>Ali with id 1"   | Pass   |
| Bus Boundary Full     | Fill 5<br>Passengers          | "Passenger added.<br>Attendance marked for<br>Ali with id 5"   | "Passenger added.<br>Attendance marked for<br>Ali with id 5"   | Pass   |
| Bus Over Full         | Add 6th<br>Passenger          | "Bus is full. Cannot add<br>more passengers."                  | "Bus is full. Cannot add<br>more passengers."                  | Pass   |
| Duplicate ID          | ("irfan", 1),<br>("karar", 1) | "Error: Duplicate ID."   | "Error: Duplicate ID."   | Pass   |