Context : DBReservation :: addReservation(Client client, Connection connection)

Pre : none

Since the context is DBReservation, we cannot check if client and connection exist in the client and connection databases, respectively. Reason: DBReservation is an attribute to Terminal, so the visibility is one-sided, where only Terminal has access to DBReservation and not the other way around. Also, we cannot say there doesn't exist a reservation with the same client and connection because a client can book the same connection multiple times on different trips.

Post :
- Number of reservation increased by one
    - **self**.reservation -> **size**() = **self**.reservation**@pre** ->**size()** + 1
- A reservation was issued for this client and connection
    - **self**.reservation->**exists**(r: Reservation| r.client.id =client.id and r.connection.id = connection.id)
- Number of ticket increased by one
    - **self**.reservation.ticket->**select**(t : Ticket | t.reservation.client.id = client.id and t.reservation.connection.id = connection.id) -> **size() = result@pre** ->size() + 1

Context : Reservation

inv :   **self**.client->**size**()=1
       self.connection->**size**()=1
       self.trip->**size**()=1
       self.ticket->**size**()=1