Test Case: Bus Ticket Booking

Test Case ID: 001

Test Case Description:

Verify the bus ticket booking process including passenger details, seat selection, payment, and booking confirmation.

Preconditions:

1. User is registered and logged into the system.
2. Buses are available for the selected route and date.

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| **Steps Action** | Expected Result |
| 1. Select Route and Date: User selects Departure and destination locations, and date of travel. | Route and date selection should allow only valid locations and dates. |
| 1. User provides Invalid route (e.g., "InvalidCity" to "CityB"). | An error pop-up should appear informing proper error message. |
| 1. User provides past date (e.g., Today - 1 day). | System should not allow |
| 1. User provides todays date and tomorrow’s date | Buses are displayed for valid dates only if available. |
| 1. Search for Buses: User clicks on the "Search Buses" button | Bus search should display a list of available buses or a message if no buses are available. |
| 1. Select Bus: User selects a bus from the list. | Bus details and available seats are displayed. |
| 1. Select Seat: User selects a seat | Seat selection should allow only available seats to be selected. |
| 1. User selects First available seat, Last available seat in the bus. | Seat is selected and marked as booked. |
| 1. Enter Passenger Details: User enters Passenger name, age, gender, and contact information. | Passenger details should be validated for correctness and completeness. |
| 1. User provides Minimum allowed age, Maximum allowed age (e.g., 0 and 100 years). | Passenger details are accepted. |
| 1. Make Payment: User enters payment details with valid credit card information and clicks "Pay". | Payment should be processed without errors, and booking should be confirmed. |
| 1. User provides invalid payment details (e.g., invalid credit card number). | Payment shouldn’t be processed and error message should appear |
| 1. Booking Confirmation: System generates and displays booking confirmation. | Booking confirmation with ticket details is displayed and sent to the user’s email/Mobile number. |
| 1. System generates and displays booking confirmation. | Booking confirmation with ticket details shouldn’t be sent to any other user’s email/Mobile number. |

Postconditions:

* User receives booking confirmation via email/SMS.
* The selected seat is marked as booked in the system.