Requirements for Kaveri Travels Website (Manual Testing Project)

1. Sign Up Page

Fields:

Full Name (mandatory)

Email (mandatory, unique, valid format)

Password (mandatory, minimum 6 characters)

Button: "Register Now"

Functional Requirements:

Users can enter full name, email, and password to create an account.

All fields must be validated:

Full Name: cannot be empty, letters only

Email: must follow correct format (e.g., user@example.com
) and be unique

Password: minimum 6 characters

On successful registration, user should be redirected to the login page.

If any field is invalid or empty, display a clear error message.

Non-Functional Requirements:

Form should load in under 2 seconds.

Fields must accept only valid data types

2. Login Page

Fields:

Email Address (mandatory)

Password (mandatory)

Button: "Login"

Functional Requirements:

Registered users can log in using email and password.

Validation:

Email must be registered.

Password must match the registered email.

On successful login, redirect to Search Bus page.

If credentials are incorrect, display an appropriate error message.

Non-Functional Requirements:

Login should be responsive on all browsers.

Password should not be visible while typing.

3. Search Bus Page

Fields:

From City (mandatory)

Destination City (mandatory)

Date (mandatory)

Button: "Search"

Functional Requirements:

Users can search buses by entering from city, destination city, and travel date.

Validation:

From city and destination city cannot be empty or the same.

Travel date cannot be in the past.

On clicking "Search," display list of buses available for that route and date.

If no buses are available, display a "No buses found" message.

Non-Functional Requirements:

Search results must load in under 3 seconds.

UI should clearly show bus details: operator, time, fare, available seats.

4. Book Ticket Page

Fields:

Passenger Name (mandatory)

Email (mandatory)

Phone (mandatory, numeric)

Seat Selection (10-seat diagram)

Total Price (calculated automatically based on seat selection)

Button: "Confirm Booking"

Functional Requirements:

Users can select seats from a seat diagram (up to available seats).

Passenger details must be validated:

Name: cannot be empty, letters only

Email: valid format

Phone: numbers only, length 10 digits

Total price updates automatically based on number of seats selected.

On clicking "Confirm Booking," the system should show booking confirmation on the page.

If any field is invalid or seats unavailable, show an appropriate error message.

Non-Functional Requirements:

Seat selection diagram must reflect real-time availability.

Page must be responsive and clear on mobile and desktop

5. Payment Method Page

Options:

Card

UPI

Cash

Card Selected:

Card Number (16 digits, mandatory)

Expiry Date (mandatory, not in past)

CVV (3 digits, mandatory)

Name on Card (mandatory)

UPI Selected:

UPI ID (mandatory)

Cash Selected:

No additional fields

Functional Requirements:

Users can select a payment method and enter required details.

Validate inputs based on method:

Card: correct number of digits, valid expiry, CVV, name not empty

UPI: valid UPI ID format

Cash: no fields required

On successful payment or selection, show payment confirmation message.

If any field is invalid, show a clear error message.

Non-Functional Requirements:

Page must load in under 3 seconds.

Total payment amount must match the total price calculated from booking.

6. Booking History Page

Details:

Display all booked buses for logged-in user.

Show route, bus details, date, seat numbers, and total fare.

Two buttons below each booking:

"Print" → allows printing ticket

"Cancel Ticket" → allows user to cancel booking

Functional Requirements:

Booking history must list all past and upcoming bookings for the user.

Users can print a ticket using the "Print" button.

Users can cancel a ticket using the "Cancel Ticket" button.

After cancellation, booking is removed from upcoming bookings.

Non-Functional Requirements:

Page must update immediately after cancellation.

Display should be clear and readable on desktop and mobile