**Test Cases Document – *Car Rental Showroom System***

| **Test Case ID** | **Test Case Name** | **Description** | **Preconditions** | **Test Steps** | **Expected Results** | **Actual Results** |
| --- | --- | --- | --- | --- | --- | --- |
| TC001 | User Registration | Verify that a new customer can register an account. | User is on the registration page. | 1. Enter full name, email, password, CNIC.  2. Click on “Register”. | Account is created and success message appears. | User registered successfully. |
| TC002 | User Login | Verify that a customer can log in with valid credentials. | User has a valid registered account. | 1. Enter email and password.  2. Click “Login”. | Redirected to user dashboard. | Login successful. |
| TC003 | Car Availability Check | Test if available cars are shown based on date and location. | Cars exist in the database with availability info. | 1. Select pickup & return dates, and location.  2. Click “Search”. | A list of available cars is shown. | Cars listed properly. |
| TC004 | Place Rental Request | Verify the car rental booking process. | User is logged in and has selected a car. | 1. Choose car.  2. Select dates & times.  3. Add license details.  4. Click “Book Now”. | Rental booking is placed; confirmation shown. | Booking placed successfully. |
| TC005 | Admin Adds Vehicle | Test admin's ability to add a new car to showroom fleet. | Admin is logged in. | 1. Go to "Add Vehicle".  2. Enter car name, model, type, price/day, status.  3. Click "Add Vehicle". | Car is added and visible in car listings. | Car added successfully. |
| TC006 | Payment Gateway Integration | Verify payment works through integrated system. | Booking is in checkout status. | 1. Select a payment method.  2. Enter details.  3. Submit. | Payment is processed and receipt is shown. | Payment successful. |
| TC007 | Vehicle Return Processing | Test return process and billing summary. | Rental car has reached end of rental period. | 1. User clicks “Return Vehicle”.  2. Admin finalizes status. | Return confirmed and summary generated. | Vehicle return processed. |
| TC008 | Admin Login | Verify that an admin can access the admin panel. | Admin account is created. | 1. Go to admin login page.  2. Enter valid admin credentials.  3. Click login. | Redirected to admin dashboard. | Admin logged in successfully. |
| TC009 | Delete Booking (Admin) | Verify admin can cancel or delete a user’s booking. | Booking exists in admin panel. | 1. Open booking list.  2. Select a booking.  3. Click "Delete". | Booking removed from the system. | Booking deleted. |
| TC010 | Profile Update | Verify that a user can update personal info. | User is logged in. | 1. Go to profile.  2. Edit phone/address/license info.  3. Save changes. | Profile is updated and confirmation message shown. | Profile updated successfully. |
| TC011 | Booking History | Check if user can see their past bookings. | User has made at least one booking. | 1. Login.  2. Go to “My Rentals” or “History”. | List of previous bookings is shown. | Booking history shown correctly. |
| TC012 | Invalid Login Attempt | Check system response to incorrect login credentials. | User is on login page. | 1. Enter wrong email or password.  2. Click “Login”. | Error message: "Invalid Credentials". | Error message shown as expected. |
| TC013 | Empty Registration Fields | Ensure system validates empty inputs in registration. | User is on registration page. | 1. Leave fields blank.  2. Click “Register”. | Required field error messages appear. | Validation errors shown. |
| TC014 | Filter by Car Type | Check if user can filter cars by brand or category. | Car types exist (SUV, sedan, etc.). | 1. Go to car listings.  2. Select a filter (e.g., SUV). | Filtered list of cars is shown. | Filtering works correctly. |