

TEST CASES

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Project Title: Travel Agency Management System (TADMS)

Test Case ID	Test Title	Test Case Description	Test Precondition	Test Assumption	Test Steps	Test Parameters	Expected Output	Actual Output
TC001	Customer Registration	Verify customer can register successfully.	The system is online and accessible.	Email address provided is unique.	1. Open the registration page. 2. Enter customer details. 3. Submit the form.	FirstName, LastName, Email, Phone, Password	Registration successful, and customer data stored.	As Expected
TC002	Vehicle Availability Check	Ensure available vehicles are correctly listed.	Vehicles are present in the database.	Vehicle details in the database are accurate.	1. Go to the booking page. 2. Select a date. 3. Check the availability of vehicles.	Date, Vehicle Type	List of available vehicles is displayed correctly.	As Expected
TC003	Booking Prevention for Double Booking	Confirm that double bookings are prevented.	An existing booking is already in place.	Data consistency across the system is maintained.	1. Try to book a vehicle already reserved for the same date. 2. Observe the system's	CustomerID , VehicleID, TripDate	System should display an error message indicating double booking.	As Expected

					response .			
TC004	Payment Process and Status Update	Verify payment processing updates the payment status.	Booking exists and is not yet marked as paid.	Payment gateway integration is correctly configured.	1. Navigate to the payment page. 2. Choose a payment method. 3. Complete the payment .	BookingID, PaymentAmount, PaymentMethod	Payment status updated to "Paid" in the system.	As Expected
TC005	Driver Assignment Automation	Validate automatic driver assignment for a booking.	A driver is available for the selected vehicle.	Driver data in the system is accurate.	1. Confirm the booking. 2. Check the driver assigned. 3. Verify that the assignment is valid.	BookingID	Driver assigned based on availability and vehicle compatibility.	As Expected
TC006	Notification System – Booking Confirmation	Test that booking confirmation notifications are sent.	Email and SMS services are integrated.	Customer contact information is correct.	1. Complete a booking. 2. Monitor email/SMS inbox for notifications.	CustomerID , BookingID	Notification received via configured channels (Email/SMS).	As Expected
TC007	Data Encryption for Sensitive	Check that sensitive data is encrypted	The database encrypted	Database setup conforms to security	1. View stored customer and payment	N/A	Sensitive data is encrypted and unreadable	As Expected

	Information	ed in the database.	on is enabled.	standards .	data. 2. Verify encryption for sensitive fields.		ble in plain text.	
TC008	Scalability and Performance under Load	Assess system's behavior under concurrent usage.	System allows concurrent user access.	Server configurations are optimized for load.	1. Simulate 1,000 concurrent users booking vehicles. 2. Monitor system performance.	Number of concurrent users	System remains responsive without significant slowdowns.	As Expected
TC009	User Authentication Security	Test secure login and password encryption functionality.	User accounts exist in the database.	User details are registered correctly.	1. Try to log in with valid credentials. 2. Verify password encryption in the database .	Username, Password	Successful login, and passwords stored as encrypted hashes.	As Expected