Testing Report G-2 Assignment-1 Parking System

T.No.	DB-Function	Objective	Input	Output	Expected Output
1.	db_manager.create_user()	Creating User1	("test_user1", "password123", "test_user@example.com", "1234567890")	True, "User created successfully."	True, "User created successfully."
2.	db_manager.create_user()	Creating User2 with same user_name	("test_user1", "password123", "test_user2@example.com", "9234567890")	False, "Username already exists."	False, "Username already exists."
3.	db_manager.create_user()	Creating User2 with same user_name	("test_user2", "password123", "test_user2@example.com", "1234567890")	False, "Phone number already exists."	False, "Phone number already exists."
4.	db_manager.create_user()	Creating User2 with same email	("test_user2", "password123", "test_user@example.com", "9234567890")	False, "Email already exists."	False, "Email already exists."
5.	db_manager.update_user()	To update the user info in DB	"test_user", email="updated_email@example.com"	True, "User Info updated successfully."	True, "User Info updated successfully."
6.	db_manager.delete_user()	Delete User given user_name	"test_user"	True	True
7.	db_manager.book_lot()	Booking a free lot	user1.user_id, "1_1_1"	True, "Lot booked successfully."	True, "Lot booked successfully."

8.	db_manager.book_lot()	Booking an already lot	user2.user_id, "1_1_1"	False, "Lot already booked."	False, "Lot already booked."
9.	db_manager.book_lot()	Booking a non existent lot	user2.user_id, "4_1_1"	False, "Lot not found."	False, "Lot not found."
10.	db_manager.release_lot()	Releasing a booked lot	"1_1_1", user1.user_id	True, f"Lot released successfully. Total cost: ₹10."	True, f"Lot released successfully. Total cost: ₹10."
11.	db_manager.release_lot()	Releasing a free lot	"1_1_1", user1.user_id	False, "Lot already released."	False, "Lot already released."
12.	db_manager.release_lot()	Releasing a lot booked by other user (User2 has booked "2_1_1")	"2_1_1", user1.user_id	False, "Unauthorized action: lot is booked by another user."	False, "Unauthorized action: lot is booked by another user."
13.	db_manager.get_bookings()	Get all bookings of user (User2 has booked '1_2_1','2_5_1')	user2.user_id	[('1_2_1', '2025-01-30 19:44:24.896538'), ('2_5_1', '2025-01-30 19:44:24.893524')]	[('1_2_1', '2025-01-30 19:44:24.896538'), ('2_5_1', '2025-01-30 19:44:24.893524')]

14.	`db_manager.delete_user()`	Delete User2	"test_user2"	True	True