

## FUNCTIONAL TEST CASES

### **Reservation**

1. The system must allow the customer to register for reservation.
2. The system shall allow the customer to view detail description of particular vehicle.
3. The system must notify on selection of unavailable vehicles while reservation.
4. The system shall present an option for advanced search to limit the vehicle search to specific categories of vehicles search. E.g. By Brand, Type and Model.
5. The system must view list of available vehicles during reservation.
6. The system shall allow the customers to cancel reservation using reservation confirmation number.
7. The system shall allow the employee to update reservation information.
8. The system shall allow the employee to view reservations made by customers.
9. The system must be able to provide a unique reservation conformation number for all successfully committed reservations.
10. The system must be able to display reservation summary for successfully committed reservation.

### **Vehicle**

11. The system should allow staff to register new vehicles.
12. The system shall allow staff to update information of the vehicle in need of modification.
13. The system shall allow staff to display all lists of vehicle.
14. The system shall allow staff to display all available vehicle.
15. The system shall allow staff to display all rented vehicle.
16. The system shall allow staff to display all off duty vehicles.

### **Rent**

17. The system shall allow staff to register customers into rental list.
18. The system shall allow staff to update about customer rent record details in the rental list.
19. The system shall allow staff to display customers, who rent vehicles.
20. The system must provide printable summary for successful committed rent.

## NON FUNCTIONAL TEST CASES

### ☐ Usability

- ☐ The system provides a help and support menu in all interfaces for the user to interact with the system.
- ☐ The user can use the system by reading help and support.

### ☐ Security

- ☐ The system provides username and password to prevent the system from unauthorized access.
- ☐ The staffs' password must be greater than eight characters.

### ☐ Performance

- ☐ The system response time for every instruction conducted by the user must not exceed more than a minimum of 10 seconds.
- ☐ The system should have high performance rate when executing user's input and should be able to provide response within a short time span usually 50 second for highly complicated task and 20 to 25 seconds for less complicated task.

### Availability

- ☐ The system should always be available for access at 24 hours, 7 days a week. Also in the occurrence of any major system malfunctioning, the system should be available in 1 to 2 working days, so that business process is not severely affected.

## CRITICAL TEST SCENARIOS

Test Case	Purpose	Precondition	Test Steps	Expected Results
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Register for reservation	Enable customer to register in the system	Customer has valid email id.	Click register button. Provide required information such as name, email, phone no.	Verify email provided by using verification link sent to email. Customer will be registered in the system
Rental car confirmation	Ensure car rented out is actually available and confirmed	Customer has filled up rent a car form	Enter all required details, time and car details and confirm reservation	Verify confirmation number is generated and car selected is available at scheduled time