

Al-Azhar University – Gaza

Faculty Of Engineering & Information Technology

Department Of Software Engineering

Project Name: **Cars Store**

Course code: **ITSE4308ITSE3101**

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**Project Summary:**

The project of selling and renting vehicles, there will be the owner of the store where he login as an admin and the vehicles are displayed inside the store and the operations that occur by customers are displayed. Where the customer login to the site and then selects the type of operation, is it a rental or a purchase, and in Case it is a **Buy**, he selects the type of vehicle, then chooses the faction, whether it is a car or a jeep, then the details of the car and all its papers and internal and external details are displayed, then he chooses the color and then confirms Sales process. And in Case it is a **Renter**, it takes the same previous steps in addition to specifying the renter period.

**Problem statement:**

* Unfamiliarity of the renter with the laws of the rental office.
* In case of renting. Problems with the type of car due to not confirming the car reservation.
* In case of renting, the late delivery of the car.
* The renter does not have a driver's license that allows him to do so.
* Difficulty accessing the data of the renters by owners because their exist in paper files.

**Solution:**

* The store policy should be established for the renter so that they do not face problems.
* Reservation must be confirmed by paying money in advance.
* The renter must be notified 60 minutes before the end of the rental period.
* A copy and confirmation of the driver's license must be attached when submitting a rental application.
* Now , there is easy access to rentar's data because the of all their data on that exist int the application.

**Actors:**

1. **Store owner: Manage buyers and renters on the App.**
2. **Renter: rental Vehicles and make his reservation on the App.**
3. **Buyer: buy Vehicles and make his reservation on the App.**

**Functional Requirements:**

**Store owner**

**R1.01:** The system should allow Store owner to login as admin.

**R1.02:** The system should allow Store owner toadd Vehicle data.

**R1.03:** The system should allow Store owner toupdate Vehicle data.

**R1.04:** The system should allow Store owner to delete Vehicle data.

**R1.05:** The system should allow Store owner to display renters for this day.

**R1.06:** The system should allow Store owner to check renter's driving License.

**R1.07:** The system should allow Store owner todisplayif there is any Vehicles are sold today.

**R1.08:** The system should allow Store owner to determine price for each Vehicle to buy or rental.

**Buyer**

**R2.01:** The system should allow buyerto login.

**R2.02:** The system should allow buyer tosee all available Vehicle.

**R2.03:** The system should allow buyer to see specifications and documents Vehicle.

**R2.04:** The system should allow buyer to Insert credit card data.

**R2.05:** The system should allow buyer to Book an appointment with the store owner to complete the purchase.

**Renter**

**R3.01:** The system should allow renterto login.

**R3.02:** The system should allow renter to enter his/her personal data.

**R3.03:** The system should allow rentertodisplayif there is any Vehicles are available today or in the specific time.

**R3.04:** The system should allow renterto specifies the date on which he/she will rent the vehicle.

**R3.05:** The system should allow renterto make store evaluation after he/she finishes.

**Non-Functional Requirements:**

**1.Performance:** The system will be able to handle a high volume of transactions without slowing down or crashing. It should also be able to retrieve and display data quickly and accurately.

**2.Security:** The system will be secure, with appropriate measures to protect customer data and prevent unauthorized access. This includes password protection, data encryption, and security protocols for online transactions.

**3.Availability:** The system will be available 24/7, with minimal downtime for maintenance or upgrades. In the event of a system failure, the recovery time should be short and the impact on customers should be minimal.

**4.Usability:** Our system will be easy to use and intuitive for both customers and Store owner. This includes clear navigation, helpful error messages, and straightforward processes for completing transactions.