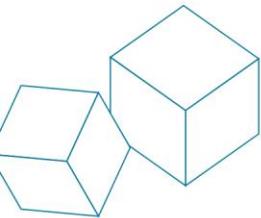


# TEST PROJECT

## Session 3 – Desktop



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## INTRODUCTION

Welcome to *WheelsAway Rent-A-Car*, where we believe in redefining the way you experience car rentals. As a dynamic and customer-centric car rental company, our commitment is to provide you with a seamless, convenient, and enjoyable journey every time you hit the road.

The project designers are asking for an application to manage all cars over the system. It includes update and delete cars. You will be provided with the schematics and the initial required data in this document.

Time to complete: 2 hours.



Figure 1 –Wheels Away Logo

## DESCRIPTION OF PROJECT AND TASKS

This submodule is split into three parts:

- **Menu Screen:** This screen is responsible for showing the navigation options for the user.
- **Notifications:** The employee can check the notifications created by the system.
- **Car Management:** The employee can see all cars, in addition to managing this list.

Competitors must be able to comprehend programming logic, windows forms development, C# Language, and database management.

The organization will provide all the information and material needed. Competitors cannot access any other media during this module (ex: internet, iPad, Smartphone, etc.).

Organization and professionalism will be evaluated in this module.

**Note:** You'll have up to 15 minutes of reading.

**Maximum Time allowed for reading:** 15 minutes.

**Maximum Time allowed for completing the test project:** 2 hours.

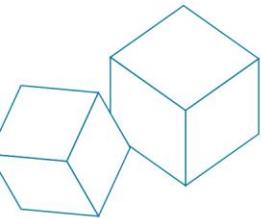
## Section 5 – Menu screen



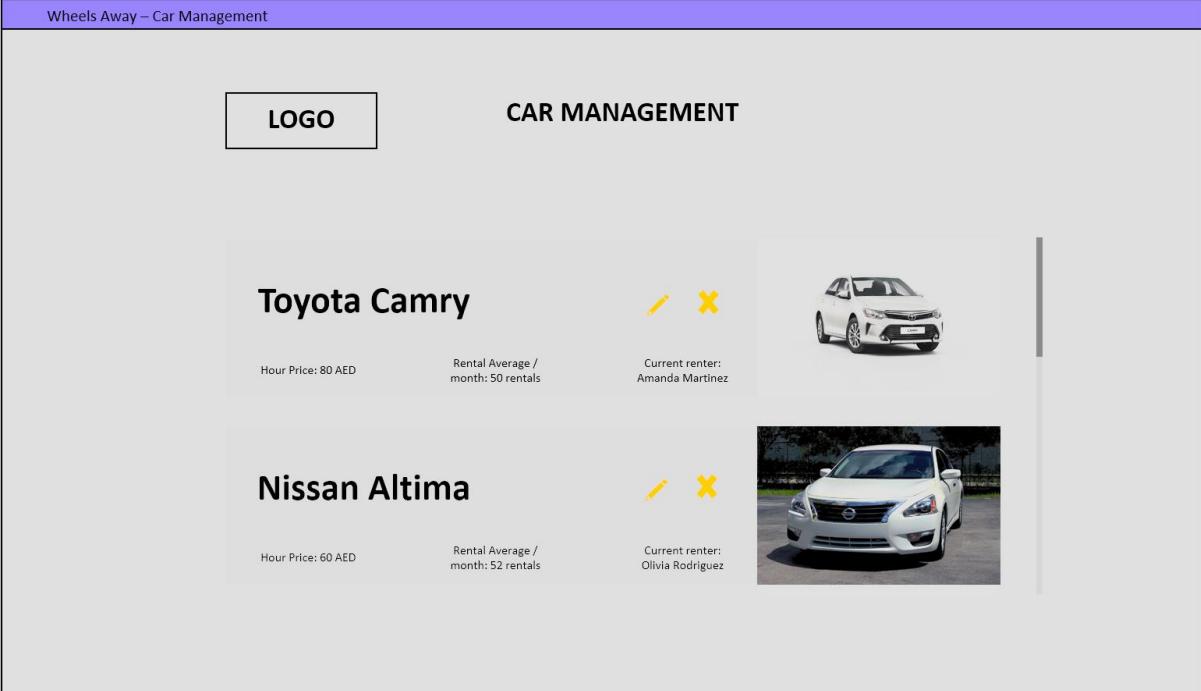
In the moment the user opens the program, a menu with two options must be shown:

- **Notifications:** Should redirect the user to Notifications Page.
- **Car Management:** Should redirect the user to Car Management Page.

The system's logo should be presented in the middle-top position.



## Section 6 – Car Management Page



The screenshot shows a web page titled "Wheels Away – Car Management". At the top left is a placeholder "LOGO" box, and at the top right is the title "CAR MANAGEMENT". Below this, there are two car listings:

- Toyota Camry**
  - Hour Price: 80 AED
  - Rental Average / month: 50 rentals
  - Current renter: Amanda Martinez 



- **Delete:** When clicked, the system will ask if the user is sure about the deletion. If confirmed, the car should be deleted from the database and the list updated without this car.

## Section 7 – Update Car Form

Wheels Away – Car Management

LOGO	CAR MANAGEMENT	
<b>Brand</b>	<b>Model</b>	
Chevrolet	Groove	v
<b>Rental Average by Month</b>	<b>Hour Price</b>	
60	70.00	
<b>UPDATE</b>		

This page will allow the user to edit the selected car's details.

There will be 5 fields to be possibly updated:

- Brand – Should be a disabled select field which the value should be the brand's name of the car.
- Model – Should be a disabled select field which the value should be the model's name of the car.
- Rental Average by Month – Should be a numeric updown field.
- Hour Price – Numeric field. The user should insert the integer value and the system should update the value automatically to a decimal one.

Update button – Once it is clicked, the car's data must be updated in the database and the form closed. The cars list should be in evidence already with the updated car's data.



## Section 8 – Notifications Page

Wheels Away - Notifications

LOGO	NOTIFICATIONS
	<p><b>CAR UPDATED</b> Kia Forte was updated 2024-03-01</p>
	<p><b>CAR REMOVED</b> "NISSAN ALTIMA" was removed from the list 2024-03-02</p>
	<p><b>CAR UPDATED</b> Toyota Camry was updated 2024-03-02</p>
	<p><b>CAR UPDATED</b> Subaru Impreza was updated 2024-03-01</p>

Notifications Page will show the notifications for the operations applied in the system, as for example, the Car Management flow.

All changes made to the cars should be shown in this page, including the possible deletions executed by the employee.

The notifications should be presented as cards, which are going to show the following information each one:

- Notifications' type: Should be the type of change executed for the cars - CAR REMOVED (should be displayed as red) and CAR UPDATED (should be displayed as yellow).
- Description: Should contain the action held. This text should display which car was modified (showing the Brand and Model) and what action was applied (if it was removed or updated).
- Date: The date on which the change was made in the system.

The notifications must be displayed ordered by the last modifications to the first ones (DESCENDING).