



## **CUSTOM AUTOMOBILE SHOWROOM**

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## **ABSTRACT**

This project aims at implementing a database of sorts using files to store information of a potential automobile showroom that sells cars.

The project has three access routes: admin, employee, customer.

The program is capable of storing product information and displaying it when necessary and using the information in the certain file to assign products to customers and hence enable the customer to book a product.

The booking information, information about the employees and customers are also stored in files and displayed to Admin when asked or to other users whenever necessary.

The customer can specifically view orders by using the customer id(Email).

The Admin can view All files containing information about customers, employees, products, and orders

**Keywords:** Car,Car showroom, Automobile showroom,

## **Functional Requirements of the System**

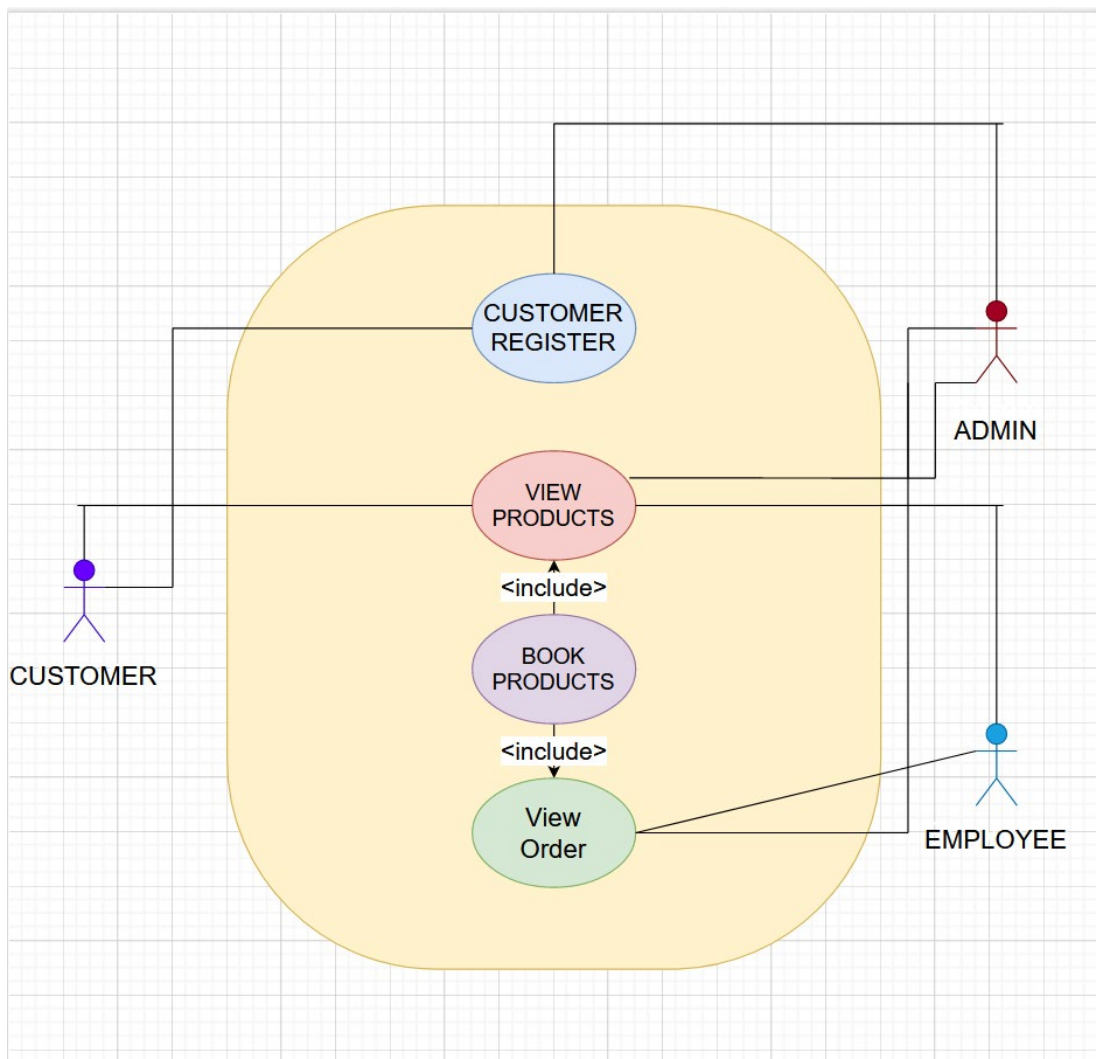
List the functional requirements of your system here.

1. User want to login to the system to access his/her main page.
2. User can view products.
3. User can book products
4. User can view Orders.

## Use Case

Actors	Use case
Customer	Customer register. View product. Book product.
Employee	View products. View orders.
Admin	Add product. View products. Add Employees. View Employee. Add customers. View customers. View orders

## Use case diagram



## Use Case Description

1)

Use case ID	Login
Brief description	The customer, Admin, Employee can get access to the system using username and password.
Primary actors	Admin, Employee, Customer
Precondition	Customer must register with the system and should have a valid login credentials; For employee admin makes the account beforehand. Admin has entire control over the product management and employees.
Post condition	Customer - Already not a registered user, register with the system or perform transactions if login attempt was successful. Employee - Already a registered user, can access the features of employee account.
Main success Scenario	If valid login, Customer - Can view product and then buy product or directly buy product. Employee- Can view the entire product details. Admin - Can do admin functions
Actor Action	System Response
The customer, employee, admin enters login credentials and clicks on login button.	Performs validation of login credentials. If valid, provides access to respective pages.
They get access into the account main page.	procedure follows.
Alternate flow	
	If login credentials not valid , system returns “invalid credentials, reenter username or password” message.

2)

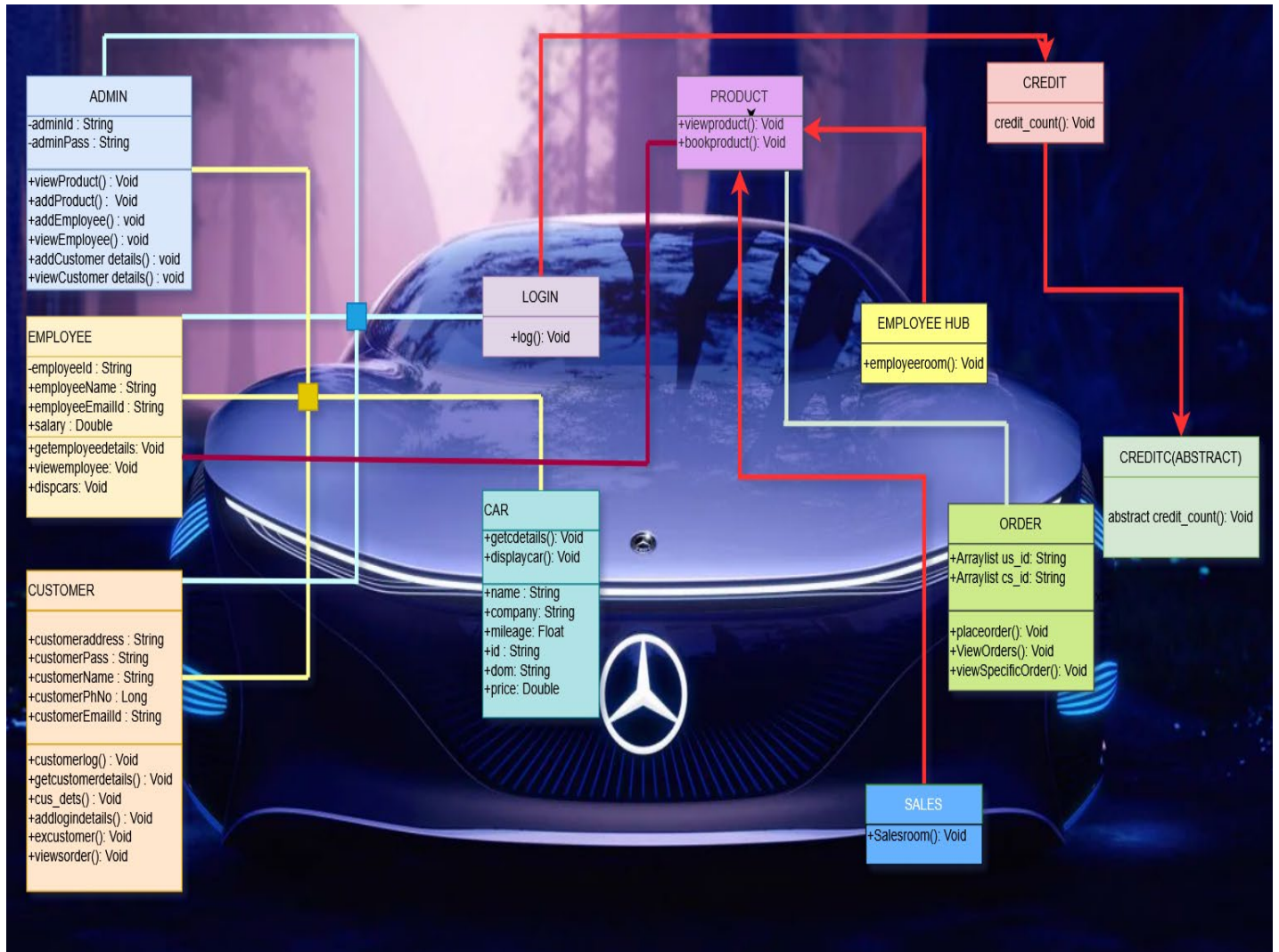
Use case ID	View product
Brief description	The Customer, Employee and Admin has this ability,
Primary actors	Customer, Employee, Admin
Precondition	The Product details must have been already entered by the Admin.
Post condition	The Customer can view the products and opt to buy one.
Main success Scenario	The information is correctly passed to the viewer.
Actor Action	System Response
The user clicks on 'view products'	Presents a menu of the various products in the showroom.
Order	The customer books the product.
Alternate flow	
	*error in viewing product message is displayed*

3)

Use case ID	Book products
Brief description	The Customer books the product
Primary actors	Customer
Precondition	The customer can make an account or use an existing account.
Post condition	Customer must use id of product to book product.
Main success Scenario	Successful booking of product.
Actor Action	System Response
user proceeds to book product	booking done according to product id.
Alternate flow	
	Back to the user menu if wrong details are entered.

**The Booked products can be viewed specifically by the customer and overall booking information can be viewed by the Admin and Employee.**

## Class diagram





### User Input & Output

Topic	Description
Actor	Customer
User input	<ul style="list-style-type: none"><li>● Product ID</li></ul>
User output	<ul style="list-style-type: none"><li>● Order status</li></ul>

Topic	Description
Actor	Employee
User input	<ul style="list-style-type: none"><li>● view information</li></ul>
User output	<ul style="list-style-type: none"><li>● display information</li></ul>

Topic	Description
Actor	Admin
User input	<ul style="list-style-type: none"><li>● Add employee</li><li>● Add product</li><li>● Add customer</li><li>● View employee</li><li>● View product</li></ul>

	<ul style="list-style-type: none"><li>● View customer</li></ul>
User Output	The necessary functions are performed

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