

# VEHICLE RENTAL SYSTEM

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# OVERVIEW

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The Vehicle Rental System is a comprehensive software solution designed to streamline the process of renting vehicles. It aims to provide an efficient platform for both customers and administrators to manage vehicle rentals, bookings, and related operations.



# MODULES AND THEIR FUNCTIONALITIES

## REGISTER MODULE

- The user needs to provide their first name, last name, email, license number, phone number, password, confirm password, gender for registration.

## PAYMENT MODULE

- User should be able to make payment by filling card number, expiry date and CVV are provided by the admin.

## LOGIN MODULE

- For login user will input their email and password.
- Admin will provide their admin id and password which will be compared with a database content.

## OWNER MODULE

- The system should allow owner to register, login, vehicle entry and checking.

## BOOKING MODULE

- User can view the list of cars. The booking details of cars are provided by the admin.
- User can select their preferred car and book for the same.

## LOGOUT MODULE

- The system should allow user to logout.
- The system should also allow admin to logout

# RESOURCE REQUIREMENT

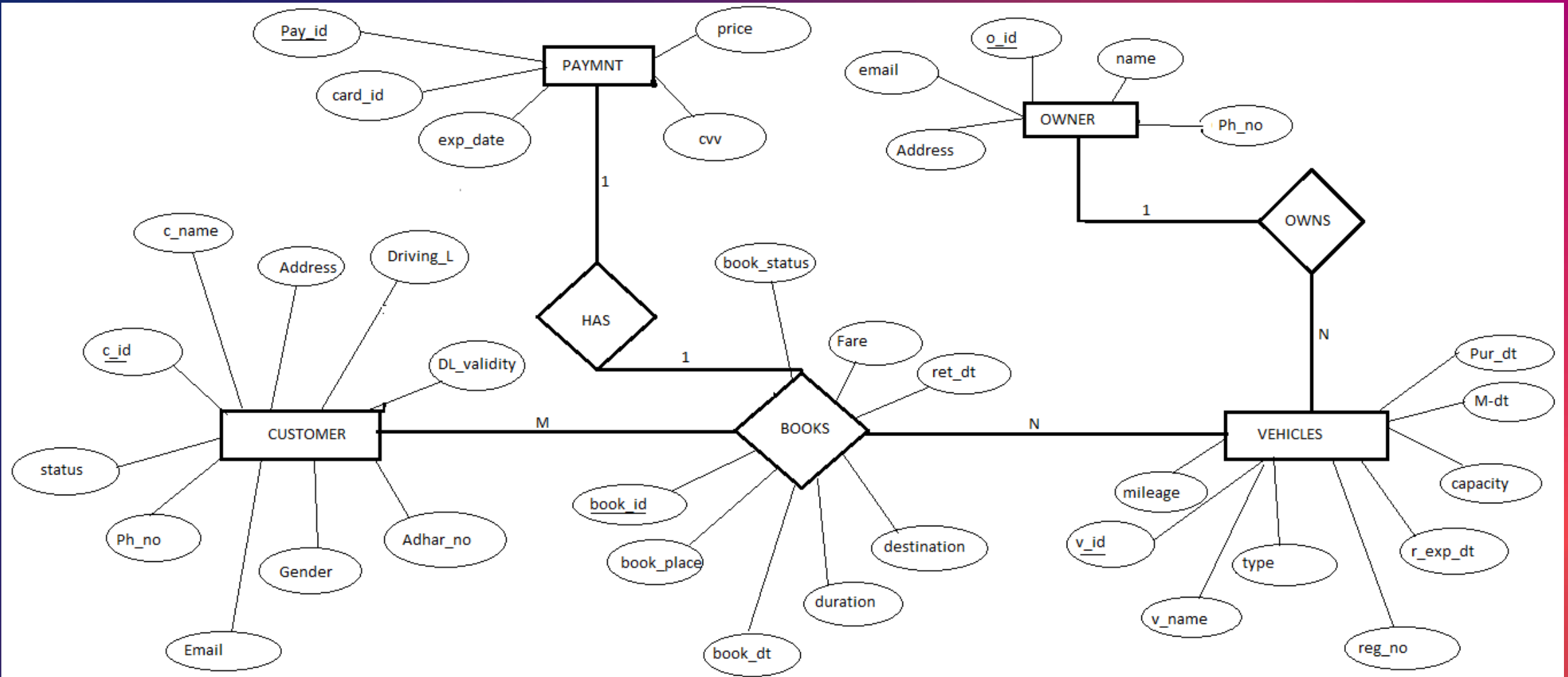
## SOFTWARE SPECIFICATION

- Language used : html, CSS, php, javascript.
- Platform : Visual Studio Code.
- Server : Localhost.
- Database : MySQL on myPHPadmin.

## HARDWARE SPECIFICATION

- 2.5Ghz Processor.
- 8GB Ram.
- x64 bit Operating System.

# ER DIAGRAM





# LIST OF TABLES



# CUSTOMER TABLE

SL_NO	FIELDNAME	DATATYPE	KEY	FIELD SIZE
1	C_id	int	Primary Key	10
2	C_name	varchar		50
3	C_email	varchar		50
4	password	varchar		10
5	address	varchar		100
6	Ph_no	int		10
7	Adhaar_no	int		20
8	DL_no	int		20
9	DL_validity	date		
10	gender	varchar		10
11	status	varchar		10



# BOOKING TABLE

SL_NO	FIELDNAME	DATATYPE	KEY	FIELD SIZE
1	Book_id	int	Primary Key	10
2	v_id	int	Foreign Key	11
3	c_id	int	Foreign Key	10
4	Book_place	varchar		50
5	Book_dt	date		
6	duration	int		10
7	destination	varchar		50
8	fare	Int		10
9	Ret_dt	date		
10	Book_status	varchar		20

# VEHICLE TABLE

SL_NO	FIELDNAME	DATATYPE	KEY	FIELD SIZE
1	v_id	int	Primary Key	11
2	o_id	int	Foreign Key	11
3	v_name	varchar		50
4	img	blob		
5	type	varchar		20
6	reg_no	varchar		20
7	capacity	int		10
8	mileage	varchar		10
9	price	int		20
10	Pur_dt	date		
11	mfg	date		
12	Reg_exp	date		
13	status	varchar		50
14	available	varchar		5

# OWNER TABLE

SL_NO	FIELDNAME	DATATYPE	KEY	FIELD SIZE
1	o_id	int	Primary Key	10
2	name	varchar		50
3	email	varchar		50
4	password	varchar		50
5	Ph_no	int		10
6	address	varchar		100
7	pincode	int		10
8	image	varchar		50

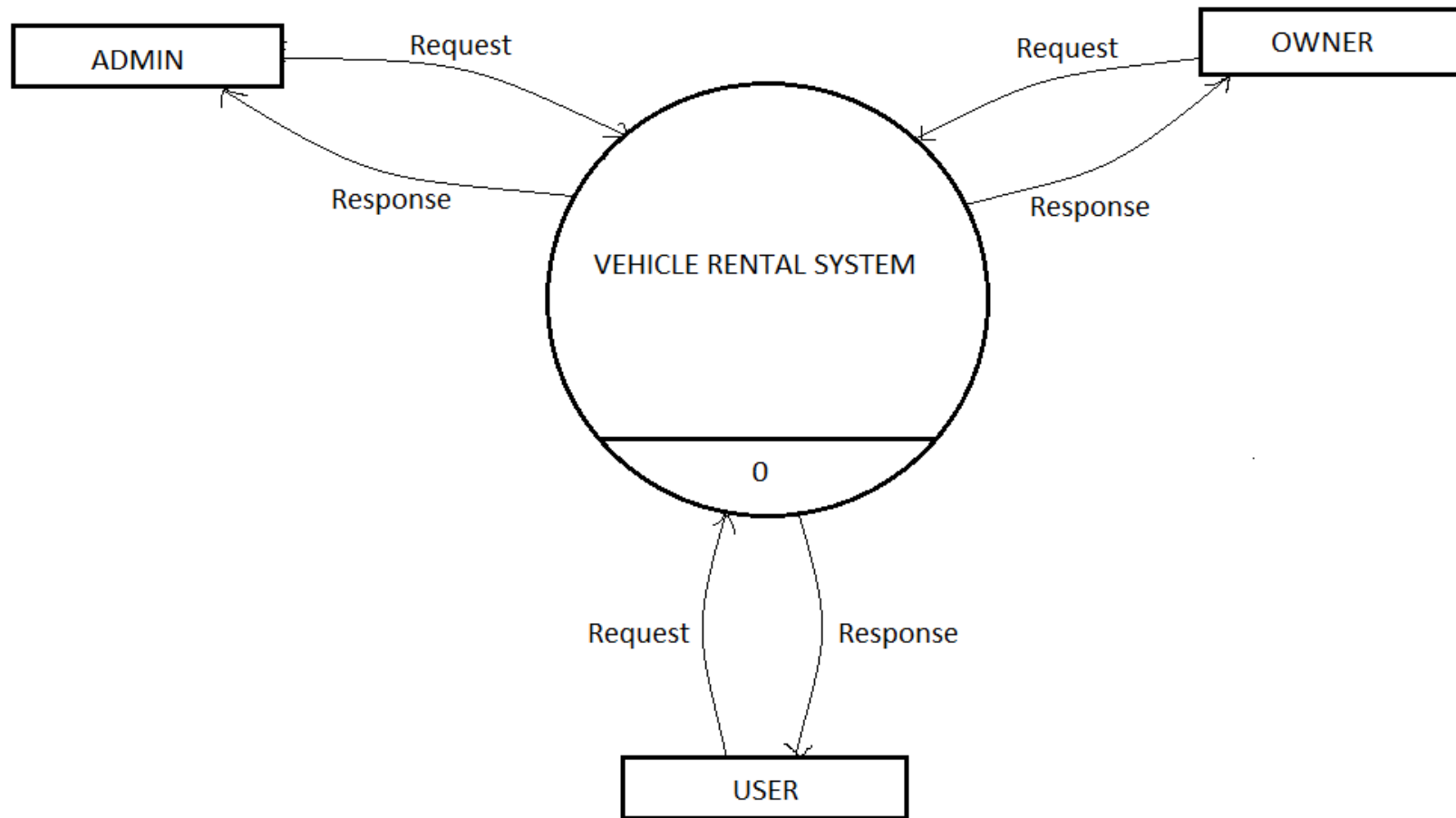
## PAYMENT TABLE

SL_NO	FIELDNAME	DATATYPE	KEY	FIELD SIZE
1	Pay_id	int	Primary Key	10
2	Book_id	int	Foreign Key	10
2	Card_id	int		20
3	Exp_dt	date		
4	cvv	int		10
5	price	int		10

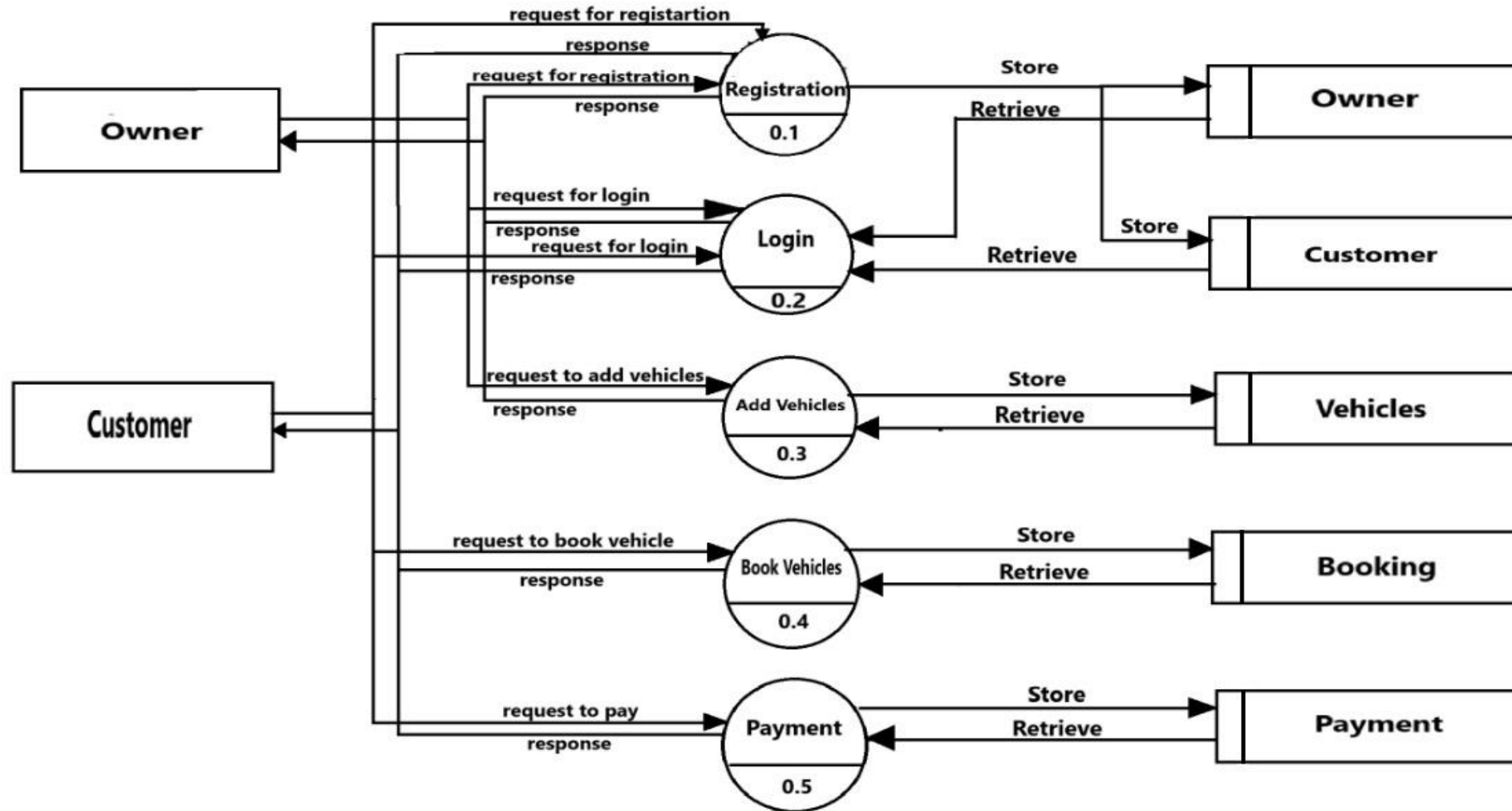
# DATAFLOW DIAGRAM(DFD)



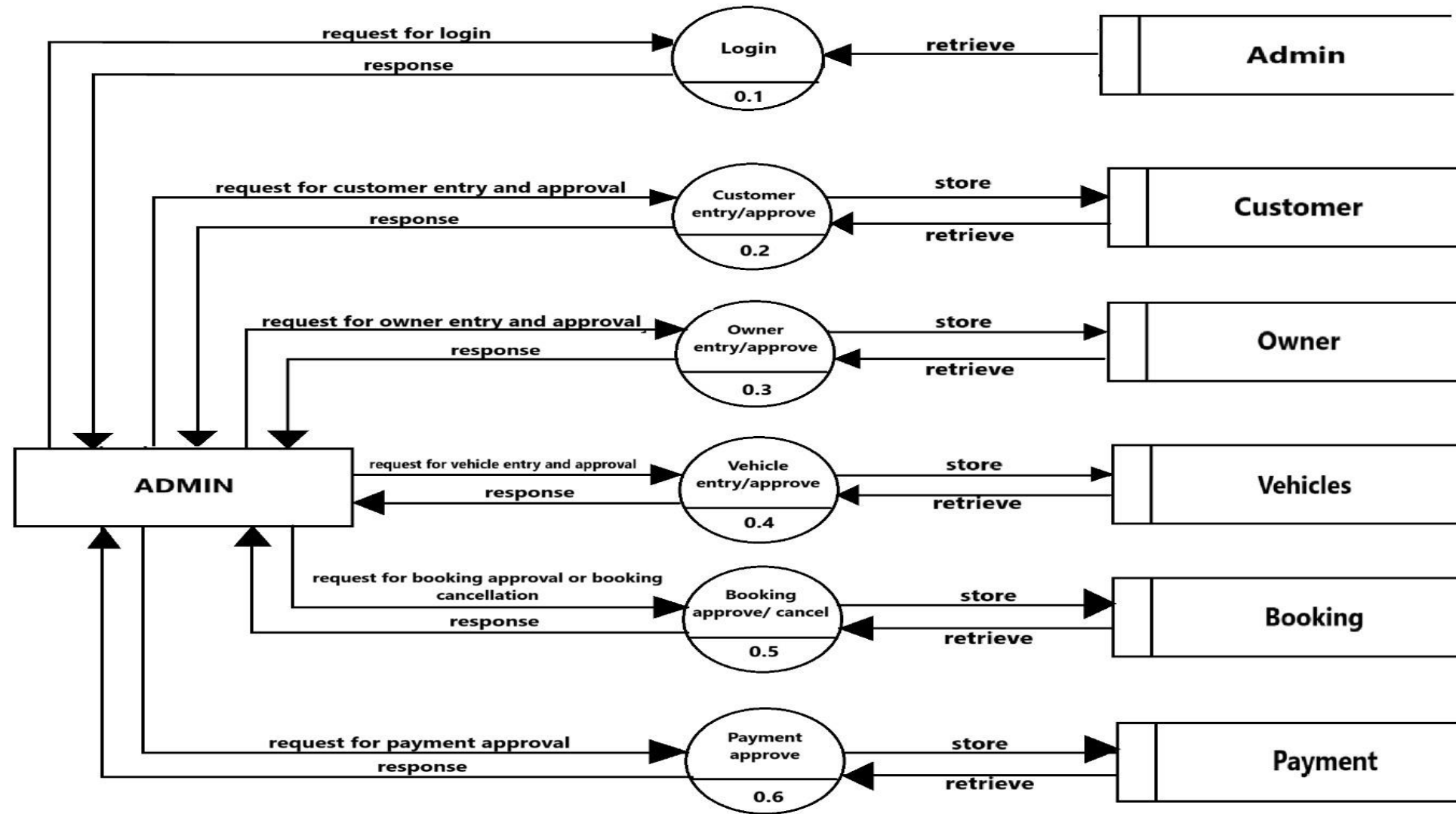
# CONTEXT FREE DIAGRAM



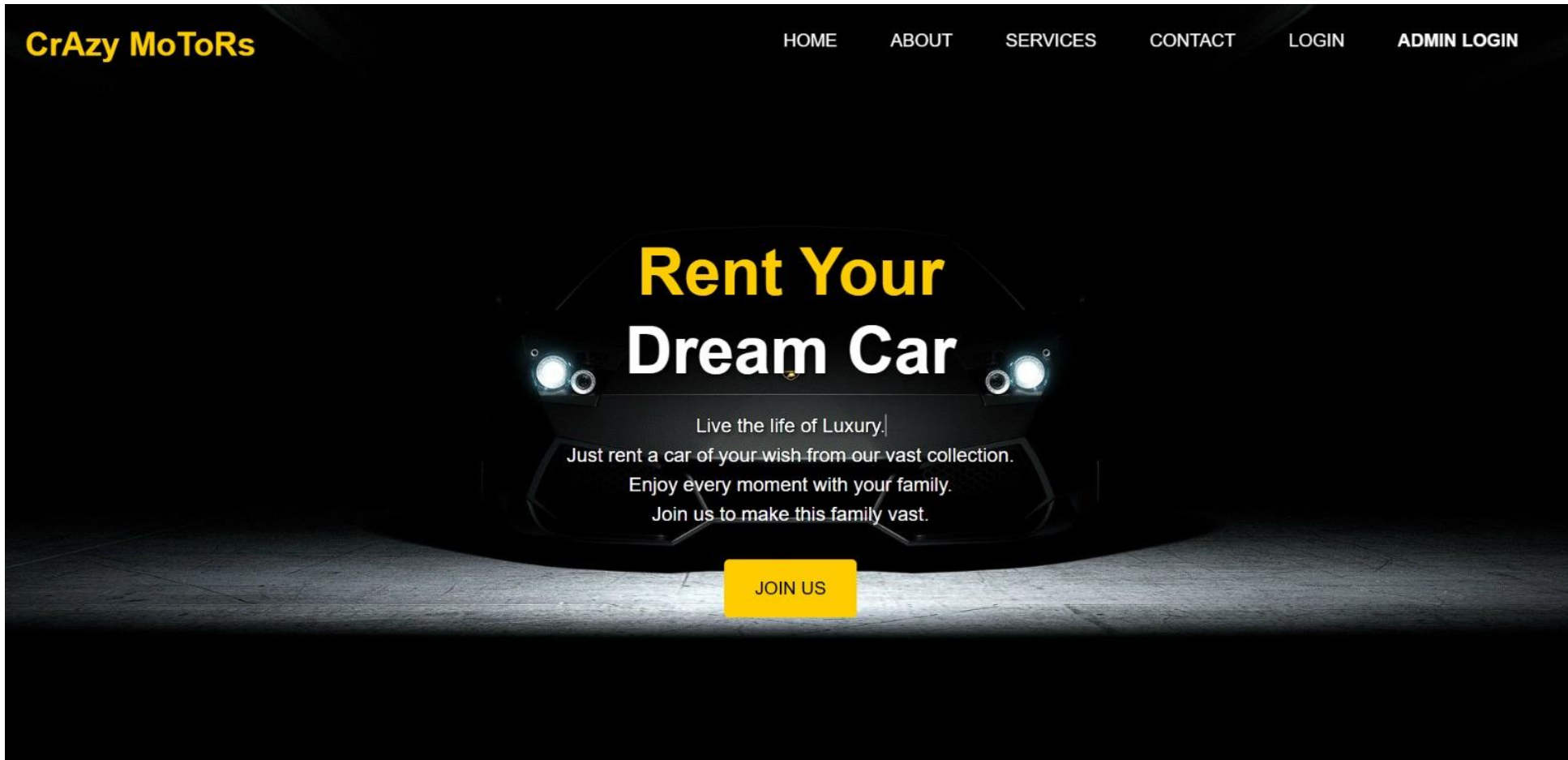
# 1ST LEVEL DFD OF CUSTOMER AND OWNER



# 1ST LEVEL DFD OF ADMIN



# HOMEPAGE



# CUSTOMER REGISTRATION PAGE

CrAzy MoToRs

[HOME](#) [ABOUT](#) [SERVICES](#) [CONTACT](#) [LOGIN](#)

Name

Email

We'll never share your email with anyone else.

Address

Phone Number

Adhaar Number

Driving License

Driving License Validity



Gender ☐ Male ☐ Female

Password



# LOGIN PAGE

The login page features a dark blue background with a subtle world map and a large, glowing blue padlock icon. The layout includes a header with the site name and navigation links, followed by input fields for email and password, a login button, and a link to register for new users.

**CrAzy MoToRs**

HOME ABOUT SERVICES CONTACT

Email address

Password

LOGIN

Don't have an account? [Register Now](#)

# VIEW VEHICLE PAGE

CrAzY MoToRs

[Home](#)

[About Us](#)

[Services](#)

[Contact](#)

[Booking Status](#)

[Logout](#)



### BMW Z3

Fuel Type: Petrol  
Capacity: 2  
Mileage: 10KMPL  
Rent Per Day: ₹8000/-

[Book now](#)



### Ferrari SF90 Stradale

Fuel Type: Petrol  
Capacity: 2  
Mileage: 18KMPL  
Rent Per Day: ₹10000/-

[Book now](#)



### Harley Davidson Sportster S

Fuel Type: Petrol  
Capacity: 2  
Mileage: 20KMPL  
Rent Per Day: ₹2000/-

[Book now](#)



### RE GT 650

Fuel Type: Petrol  
Capacity: 2  
Mileage: 27KMPL  
Rent Per Day: ₹1000/-

[Book now](#)



### XUV 700

Fuel Type: Petrol  
Capacity: 6  
Mileage: 15KMPL  
Rent Per Day: ₹2500/-

[Book now](#)



### Mercedes Benz

Fuel Type: Petrol  
Capacity: 4  
Mileage: 15kmpl  
Rent Per Day: ₹3000/-

[Book now](#)

# BOOKING PAGE

**CrAzY MoToRs** [Home](#) [About Us](#) [Services](#) [Contact](#) [Booking Status](#) [Logout](#)

Book Place

Enter the booking place

Booking Date:

mm/dd/yyyy

Duration:

Enter the duration(in days)

Destination

Enter the destination

Return Date:

mm/dd/yyyy

Book Now

# PAYMENT PAGE

CrAzy MoToRs

HOME ABOUT SERVICES CONTACT LOGOUT

## Enter Payment Information

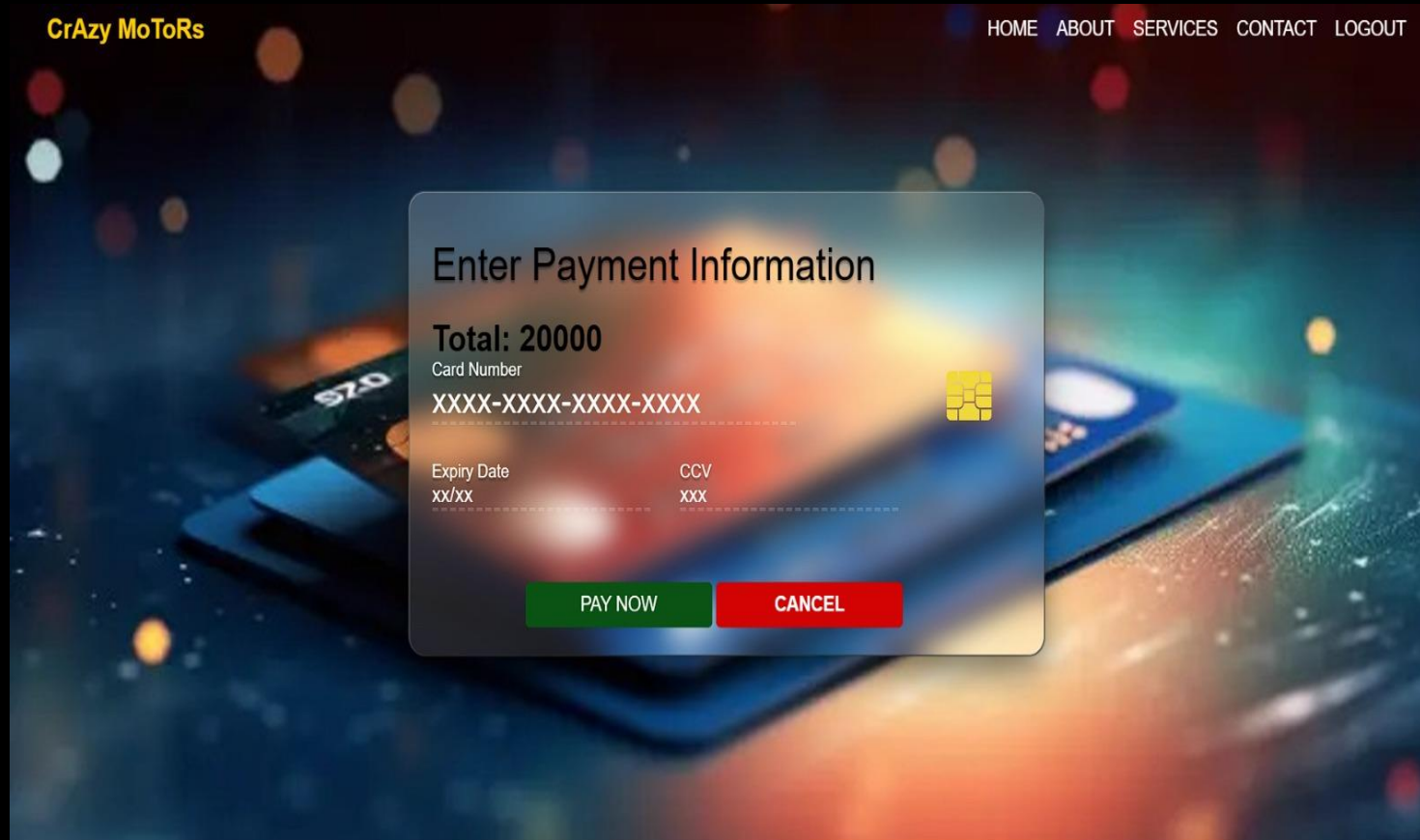
Total: 20000

Card Number  
XXXX-XXXX-XXXX-XXXX

Expiry Date  
xx/xx

CCV  
xxx

PAY NOW CANCEL

The background of the payment page features a stack of credit cards in shades of blue and gold, with a bokeh effect of colorful lights in the background. The payment form is a semi-transparent white box with rounded corners, centered on the screen. It contains the title 'Enter Payment Information', the total amount 'Total: 20000', and input fields for 'Card Number' (displaying 'XXXX-XXXX-XXXX-XXXX'), 'Expiry Date' (displaying 'xx/xx'), and 'CCV' (displaying 'xxx'). At the bottom of the form are two buttons: a green 'PAY NOW' button and a red 'CANCEL' button.



# BOOKING STATUS PAGE

[Home](#)

CAR NAME : Ferrari SF90 Stradale

NO OF DAYS : 2

BOOKING STATUS : APPROVED

CAR NAME : Ferrari SF90 Stradale

NO OF DAYS : 2

BOOKING STATUS : CANCELLED



# OWNER REGISTRATION PAGE

**CrAzy MoToRs**

HOMEABOUTSERVICESCONTACTLOGIN

Name

Enter Your Name

Email

Enter Your Email Address

We'll never share your email with anyone else.

Phone Number

Enter Your Phone Number

Address

Enter Your Address

Pin code


Enter Your Pin Code

Password

Confirm Password

Submit

Already a registered owner! [Login](#)



# VEHICLE ENTRY PAGE

**CrAzy MoToRs**

HOMEABOUTSERVICESCONTACTLOGOUT

Email

Enter your email

Image

Choose FileNo file chosen

Vehicle Name

Enter the vehicle name

Type

Enter the fuel type

Registration No

Enter vehicle registration no

Capacity

Enter the seating capacity

Mileage

Enter the vehicle mileage

Price

Enter the vehicle price (for one day)

Booked Date

# ADMIN PANEL

CrAzy MoToRs

[Home](#) [Vehicle Management](#) [User Management](#) [Owner Management](#) [Bookings](#) [Logout](#)

New Booking







Book_ID	V_id	C_id	Book_place	Book_date	Duration	Destination	Fare	Return_date	Status	Operations		
1	4	7	Guwahati	2024-11-06	2	meghalaya	16000	2024-11-09	RETURNED	Approve	Returned	Cancel
2	4	7	Shillong	2024-11-06	2	arunachal pradesh	16000	2024-11-08	RETURNED	Approve	Returned	Cancel
3	4	7	Guwahati	2024-11-12	2	meghalaya	16000	2024-11-14	under processing	Approve	Returned	Cancel
4	4	8	Guwahati	2024-11-12	3	shillong	24000	2024-11-15	under processing	Approve	Returned	Cancel
5	5	9	Guwahati	2024-12-05	2	Shillong	20000	2024-12-07	APPROVED	Approve	Returned	Cancel
6	5	9	Guwahati	2024-12-06	2	meghalaya	20000	2024-12-09	under processing	Approve	Returned	Cancel

# ADMIN PANEL

CrAzy MoToRs

[Home](#) [Vehicle Management](#) [User Management](#) [Owner Management](#) [Bookings](#) [LOGOUT](#)

Add Vehicle

V_ID	O_ID	V_Name	V_IMG	Type	Reg No	Capacity	Mileage	Pur_dt	Mfg	Reg_exp	Price	Status	Operations
4	1	BMW Z3		Petrol	AS01DE1234	2	10KMPL	2024-06-03	2023-06-06	2034-06-03	8000	APPROVED	<a href="#">Approve</a>
5	1	Ferrari SF90 Stradale		Petrol	AS01BW1234	2	18KMPL	2022-07-28	2019-02-15	2034-02-14	10000	under processing	<a href="#">Approve</a>
6	1	Harley Davidson Sportster S		Petrol	AS01RS1890	2	20KMPL	2021-12-14	2021-06-09	2036-12-15	2000	under processing	<a href="#">Approve</a>
7	1	RE GT 650		Petrol	AS01EW1234	2	27KMPL	2022-03-10	2021-08-20	2037-07-15	1000	under processing	<a href="#">Approve</a>
8	1	XUV 700		Petrol	AS01AB1256	6	15KMPL	2023-07-05	2023-07-04	2038-07-07	2500	under processing	<a href="#">Approve</a>
10	1	Mercedes Benz		Petrol	AS01DW7848	4	15kmpl	2022-03-09	2022-01-02	2037-02-10	3000	under processing	<a href="#">Approve</a>

# FUTURE SCOPE

- **Mobile Application:** This system can be also developed as dedicated mobile application for the android and iOS platform, providing users with a convenient and accessible way to rent a vehicle directly from their phones. Mobile apps also allow for push notifications, enhancing communication with customers and vendors.
- **Multiple Payment Options:** Expand the payment options to accommodate various preferences, including mobile wallets, upi and international payment gateways. Offering secure and diverse payment methods can attract more customers and boost sales.
- **Social Commerce Integration:** Allow customers to share their purchases and experiences on social media platforms directly from the provision management system. This integration can increase brand exposure and drive organic traffic.
- **Multilingual Support:** Expand the platform's language support to cater to customers and vendors from different regions and linguistic backgrounds, widening the platform's reach and appeal.
- **Integration of AI Chat-bot:** Integrate an AI-powered chat-bot to offer instant customer support, answer common queries, and assist with order tracking and returns. This reduces the burden on customer support teams and provides round-the-clock assistance.



# CONCLUSION

Vehicle Rental System is user-friendly and customized software for vehicle renting company. Vehicle Rental System has been developed to manage and automate the overall processing of any large vehicle renting company. Vehicle Rental System project is capable of managing vehicles, booking, payment etc. It is a user friendly and customized software for providing support for company admin. This project is a very flexible software and it can be upgraded according to the individual needs.

THANK YOU:)