

Car Rental Management System

Landing page for Users	"X:\CAR-RENTAL-UT01536\home.html"
Admin Page	"X:\CAR-RENTAL-UT01536\admin-login.html"

The Car Rental Management System is a web-based application designed to streamline and manage the daily operations of a car rental store. Built using JavaScript, HTML, and CSS, this system provides a comprehensive platform for store managers to efficiently manage cars, categorize the fleet, and oversee member activities. The primary goal of this project is to enhance the functionality of traditional rental stores by leveraging modern web technologies to deliver a user-friendly and effective management tool.

Key Features

1. Car Management by Manager

- **Add or Remove Cars** : Managers have the authority to add new cars to the store's inventory or remove existing ones. This feature ensures that the store's fleet is always up-to-date and relevant.
- **Categorize Cars** : Cars can be categorized based on various criteria such as type, brand, model year, and more. This categorization aids in easy navigation and retrieval of cars by both managers and customers.

2. Inventory Management

- **Unique Identification** : Each car is identified by its unique vehicle registration number. This ensures precise tracking and management of the fleet.
- **Multiple Units** : The system supports the addition of multiple units of the same car model. This feature is crucial for stores that need to manage large volumes of cars and ensure that multiple customers can rent the same model simultaneously.

3. Customer Registration and Management

- **NIC Number Registration** : Customers are required to register with their National Identity Card (NIC) number. This ensures a unique identifier for each customer, simplifying the process of tracking rental history and managing customer information.
- **User Profile Management** : Customers can view and update their personal information, check their rental history, and see the status of cars they have rented.

4. Car Renting and Return

- **Renting Cars** : Customers can rent cars for a specified period, such as a few hours or days. The system keeps track of the rental date and time and automatically calculates the due time.
- **Overdue Alerts** : If a customer fails to return a car within the specified period, the system generates an alert for the manager. This feature ensures that cars are returned on time and helps maintain the store's inventory.

BRD Edited : if a customer take a car for 5 days and he is in long distance from our company but his trip or work is not completed in 5 days so he can use continuedly and it will be profit for our company. So not create overdue alert.

- **Return Processing** : When a customer returns a car, the system updates the rental section to reflect the return. This includes marking the car as available for renting again and removing it from the customer's active rented cars list.

-

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BRD Edited : **Customers can't return Cars only return after admin Verified**

5. Reports

- **Inventory Report** : Provides a detailed overview of all cars in the store, including their categories and availability.
- **Rental Report** : Tracks the rental history, overdue cars, and frequently rented cars.
- **Customer Report** : Lists all registered customers and their rental activities.

User Roles

1. Manager

- Manage cars (add, remove, categorize).
- View and manage customer information.
- Oversee renting and return processes. - Generate and view reports.

2. Customer

- Register and manage their profile.
- Rent **and return(BRD Edited)** cars.
- View rental history and status of rented cars.

Technical Overview

The Car Rental Management System is developed using a combination of JavaScript, HTML, and CSS. To ensure simplicity and ease of use, the system is designed to work entirely on the client side, utilizing local storage for data persistence. This approach eliminates the need for a server-side backend, making it ideal for small to medium-sized rental stores.

- **JavaScript** : Manages the core functionality, including event handling, DOM manipulation, and interaction with local storage. JavaScript is used to perform all operations such as adding/removing cars, updating categories, and managing customer data.
- **HTML** : Structures the content and elements of the web pages.
- **CSS** : Enhances the appearance and layout, providing a consistent and user-friendly design across different devices and screen sizes.
- **Local Storage** : Utilized for data persistence, local storage ensures that all data (cars, customers, rental records) is saved directly in the user's browser. This enables the application to retain data between sessions without requiring a server-side database.

Conclusion

The Car Rental Management System offers a robust solution for managing the diverse needs of a car rental store. By integrating essential features such as car management, customer registration, and rental processes, it simplifies the day-to-day operations for managers while providing a seamless experience for customers. The addition of comprehensive reporting capabilities enhances the system's utility by providing valuable insights into inventory, rental trends, and customer activities. This project represents a significant step towards digitizing rental management and improving the overall efficiency and accessibility of rental services.

Welcome to the realistic Car rental Service Experience!

FileX:/CAR-RENTAL-UT01536/home.html


Car Rental Management System

Start From:MM / dd / yyyy


To:MM / dd / yyyy

Submit


Sign In/Sign Up



7500 LKR
Honda City
Modal Saloon
Year 1999
Petrol
Manual Gear



9500 LKR
BMW 16
Modal SUV
Year 2014
Petrol Hybrid
Auto Gear



6000 LKR
Wegon R
Modal Hatchback
Year 2009
Petrol
Manual Gear

This is landing / index/ home page for available in online and anyone can view. Date Search function now available for this time

Frequently Asked Questions

What do I need to rent a car?
How old do I have to be to rent a car?
Can I book a rental car for someone else?
Are all fees included in the rental price?

Plan your Trip with our cars

Nallur Temple
Kasurina Beach
Jaffna Fort
Nainathivu Temple

Contact Us

@ Instagram Facebook

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This is footer part of this page.
404! Contact button not connect until now.

So click on Signup/Sign in Button.

Auto Gear
Petrol Hybrid
Year 2014
Modal SUV
BMW 16

Sign Up


Login

Please Enter for a Ride!

Car Rental Management System

User Login

If click sign up



User Registration Form

Name *

NIC / Passport Number *

Address

Contact Number

License Number

Address Proof (CEB/Phone Bill)

Choose File

bill phone.jpg

Enter Username *

Enter Password *

Conform Password *

Terms and Conditions

Last updated: August 06, 2024

Please read these terms and conditions carefully before using Our Service.

☐ Terms & Conditions [Click Here to View T&C](#)

Submit

Reset

view and Click the T & C tic then submit. Data will saved in local storage.

Sign In

Welcome back!

User Name

Password

Log In

Sign Up

New User? [Please Register Here](#)

Customer Dashboard!

Why Choose Our Service?

- Wide range of luxury and budget cars to choose from.
- Affordable pricing with no hidden charges.
- 24/7 customer support to assist you anytime.
- Convenient pick-up and drop-off locations.
- Fully insured vehicles with regular maintenance.

Customer dashboard footer.

kiru - Welcome to Car Rental Service Customer Dashboard

Home

View Cars

Book your Car

Rate Us

Help

Profile

Sign Out

Welcome to our rental service!

Book your Car


Take the key!

Start Ride today!

Enjoy the journey with us!

please close the doors slowly!

Keep Change oil in every 500



👍 These cars are waiting for you!

Filter by Fuel Type: All Filter by Model: Filter by Manufactured Year: [Reset Filters](#)

Honda SUV (Unknown Year)

Fuel Type: Petrol
Registration Number: VT2664

Beetle Woxworgan (Unknown Year)

Fuel Type: Petrol
Registration Number: VF4566

[Back to Home](#)

Available Cars for customer.

🗨 Select here for Book your car now!

[Filter by Model](#) [Filter by Fuel Type](#) [Filter by Seat Count](#) [Filter by Price Range](#)

Select Car

Beetle Woxworgan (VF4566)

Beetle Woxworgan (1956)

Registration Number: VF4566
Price: \$6000
Color: Red
Seats: 4
Fuel Type: Petrol
Insurance Date: 2024-08-22
Last Oil Change (km): 34645764
Description: Old Vintage exprience
RC Book Copy: no
Modified Details: full dinger and painted
Extra Remarks: no radioter



[Request](#)

[Login](#)

[Register](#)

Register

[Register](#)

[Login](#)

[Register](#)

Login

[Login](#)

Book Your car!

The request will be sent to admin notification panel.

Admin can register and login to enter admin dashboard

"X:\CAR-RENTAL-UT01536\admin-dashboard.html" **or go this location.**

Order Notifications

Register New Car

Car Return

View Cars

View Customers

View Feedbacks

View Profits

Sign Out

New Requests: 1

Admin Notifications

Registration Number	Timestamp	Actions
VF4566	8/16/2024, 6:48:37 PM	<div>Approve</div> <div>Reject</div>

Admin can Approve or Reject the Rental request.

Home

View Cars

Book your Car

Rate Us

Help

Profile

Sign Out

kiru - Welcome to Car Rental Service Customer Dashboard

☆ We Welcome your feedback!

Car Registration Number

VR6825

Rental Date

08/24/2024

Comments

No Break, Im in Hospital now. Really bad

Rate Us

★ ★ ★ ★ ★

Submit

Customer can share their experience. And admin can view it.

Order Notifications

Register New Car

Car Return

View Cars

View Customers

View Feedbacks

View Profits

Sign Out

User Reviews

Car Registration Number	Rental Date	Comments	Rating
VR734553	2024-08-20	Bad Exprience	★ ★
bgf	2024-08-14	no breat	★
vr3534	2024-08-07	no break	★ ★

Home

View Cars

Book your Car

Rate Us

Help

Profile

Sign Out

Terms and Conditions

Last updated: August 06, 2024

Please read these terms and conditions carefully before using Our Service.

Interpretation and Definitions

Interpretation

The words of which the initial letter is capitalized have meanings defined under the following conditions. The following definitions shall have the same meaning regardless of whether they appear in singular or in plural.

Definitions

For the purposes of these Terms and Conditions:

- Affiliate** means an entity that controls, is controlled by or is under common control with a party; where "control" means ownership of 50% or more of the shares, equity interest or other securities entitled to vote for election of directors or other managing authority.
- Country** refers to: Sri Lanka
- Company** (referred to as either "the Company", "We", "Us" or "Our" in this Agreement) refers to Car Management System.
- Device** means any device that can access the Service such as a computer, a cellphone or a digital tablet.
- Service** refers to the Website.
- Third-party Social Media Service** means any services or content (including data, information, products or services) provided by a third-party that may be displayed, included or made available by the Service.
- Website** refers to Car Management System, accessible from <http://www.carmanagementsystem.com>
- You** means the individual accessing or using the Service, or the company, or other legal entity on behalf of which such individual is accessing or using the Service, as applicable.

Acknowledgment

These are the Terms and Conditions governing the use of this Service and the agreement that operates between You and the Company. These Terms and Conditions set out the rights and obligations of all users regarding the use of the

Car Rental agreement and help notes for clients.

Home

View Cars

Book your Car

Rate Us

Help

Profile

Sign Out

kiru - Welcome to Car Rental Service Customer Dashboard

Update your Details here!

Address

Contact Number

Address Proof (CEB/Phone Bill)

Choose File

No file chosen

Update

Reset

Users Can Update their profile without Name, NIC/Passport Number and license Number. Only can update address proof and address, add Secondary Phone number.

If user click on sign out the page will redirect to home page.

Home

View Cars









Book your Car

Rate Us

Help

Profile

Sign Out

-  Order Notifications
-  Register New Car
-  Car Return
-  View Cars
-  View Customers
-  View Feedbacks
-  View Profits
-  Sign Out

+ Car Registration

Model

Honda City

Registration Number

NPHB6825

Manufactured Year

2003

Price

5000

Color

Black

Seat Count

04

Fuel Type

Petrol

Insurance Date

11 / 27 / 2024

Last Oil Changed km

150000324

Photos (Inside, Back, Front, Dashboard)

Choose FileSUV.png

Add New Car Here...!

-  View Profits
-  Sign Out

Last Oil Changed km

150000324

Photos (Inside, Back, Front, Dashboard)

Choose FileSUV.png

Description

Honda City Black Color Good Tire Condition and Full A/C availat

RC Book Copy

Available

Modified Details

Repainted

Extra Remarks

Need to change oil in next 4000km

Back to Home

Reset

Submit

After register cars the page will be redirect to Car list for Admin view page

Order Notifications

Register New Car

Car Return

View Cars

View Customers

View Feedbacks

View Profits

Sign Out

Car List

Filter by Fuel Type: All

Filter by Model: Enter Model

Filter by Manufactured Year: Enter Year

Reset Filters

Vazel (2014)
Registration Number: FR456
Price: \$8000
Color: bick
Seats: 7
Fuel Type: Petrol
Insurance Date: 2024-08-22
Last Oil Change (km): 23534536
Description: fdgnjfd
RC Book Copy: yes
Modified Details: sdgds
Extra Remarks: sdg

Delete

Honda SUV (2023)
Registration Number: VT2664
Price: \$7000
Color: Blue
Seats: 4
Fuel Type: Petrol
Insurance Date: 2024-08-23
Last Oil Change (km): 21335566
Description: SUV Luxury vichale
RC Book Copy: available
Modified Details: No Modified brand new
Extra Remarks: no Extraweel

Delete

Beetle Woxworgan (1956)
Registration Number: VF4566
Price: \$6000
Color: Red
Seats: 4
Fuel Type: Petrol
Insurance Date: 2024-08-22
Last Oil Change (km): 34645764
Description: Old Vintage exprience
RC Book Copy: no
Modified Details: full dinger and painted
Extra Remarks: no radiatorer

Delete

Click View Customers for View Users

Order Notifications

Register New Car

Car Return

View Cars

View Customers

View Feedbacks

View Profits

Sign Out

User Details

Name	NIC / Passport Number	Address	Contact Number	License Number	Address Proof	Username	Actions
Edvin	200305010359	sevvaai kiragam	+944 7654566734	33ee309e4	View Proof	edvin	<div>EditDelete</div>
Abish	200416701608	sgasdg	394609854	257809564	View Proof	abish	<div>EditDelete</div>
kajaluxan	20036575775	colombo	0774664	573475	View Proof	kaja	<div>EditDelete</div>
ashan	12345	12qwerty	9876	345345	View Proof	ashan	<div>EditDelete</div>
New Man	3478348	losdigo	863453	8645	View Proof	one	<div>EditDelete</div>
user2	34634	jhfjgh	kgjgk	jkjgk	View Proof	two	<div>EditDelete</div>
Rengheeshan	200374657	Jaffna	077235423	3425	View Proof	reng	<div>EditDelete</div>
Kiruthigan	2004377366V	No 33, Anoikodai rd, Kokkuvil eest, jaffna.	0776686904	E346445	View Proof	kiru	<div>EditDelete</div>
					View Proof	undefined	<div>EditDelete</div>
Kiruthigan	20047756657V	33, Nellyadi lane, Kokuvil East Jaffna.	0776686904	E8783453	View Proof	kiru	<div>EditDelete</div>

Can Delete User Here. Edit Button Not Work for time

Click on Car Return Tab

Order Notifications

Register New Car

Car Return

View Cars

View Customers

View Feedbacks

View Profits

Sign Out

Car Return

Car Registration Number

NPHB6825

User NIC/Passport No

20036754664V

n

Start Date

08 / 08 / 2024

Return Date

08 / 27 / 2024

Maintenance Cost

2450

Discount

5000

Per Day/100 km

7500

Extra Km

750

☒ No Damage

☒ No Accident

☐ No Drunk & Drive or Over Speed

☒ No Police Case or Crime Activity

☒ Oil & Radiator Refill

☒ Return Tax, Insurance & Key

Select Car Number Plate drop down

Then Enter Customer NIC/Passport Number and

Start Date, Return Date, Maintenance Cost, Discount, Per Day/100 km, Extra Km Details also click check list for Verify return car direct inception by admin.

View Customers

View Feedbacks

View Profits

Sign Out

Extra Km

750

☒ No Damage

☒ No Accident

☐ No Drunk & Drive or Over Speed

☒ No Police Case or Crime Activity

☒ Oil & Radiator Refill

☒ Return Tax, Insurance & Key

Remarks for Car

ONGI Steering Missing. sent to mechanic and [Fix](#) it

Remarks for User

He is Drunk & Drive Client Don't give car if he [request](#) next time.

Total (LKR)

67550.00

Calculate Total

Reset

Submit

Print Receipt

Can Add Remarks for Car and Client and if click calculate total final amount will show here,

If click Print Receipt we can print hard copy if client asked for their company billing purpose.

Print

Total: 2 sheets of paper

Printer

Microsoft Print to PDF

Copies

1

Layout

Portrait

Landscape

Pages

All

Odd pages only

Even pages only

e.g. 1-5, 8, 11-13

Color

Color

More settings

Print using system dialog... (Ctrl+Shift+P)

Print

Cancel

Car Return

Car Registration Number

NPHB6825

User NIC/Passport No

20036754664V

n

Start Date

08/08/2024

Return Date

08/27/2024

Maintenance Cost

2450

Discount

5000

Per Day/100 km

7500

Extra Km

750

☒ No Damage
 ☒ No Accident
 ☐ No Drunk & Drive or Over Speed
 ☒ No Police Case or Crime Activity
 ☒ Oil & Radiator Refill
 ☒ Return Tax, Insurance & Key

Then click submit and Can view

Order Notifications

Register New Car

Car Return

View Cars

View Customers

View Feedbacks

View Profits

Sign Out

Rental Report

Total Profit (LKR): 457346.00

Car Registration Number	User NIC/Passport No	Start Date	Return Date	Total (LKR)	Remarks for Car	Remarks for User
WP 3645	34654654	2024-08-17	2024-08-24	281600.00	No air in front wheel	he is not follow traffic rules overspeed client
WP 3645	345634	2024-08-08	2024-08-31	28598.00	good	bad
WP 3645	456	2024-08-14	2024-08-23	53598.00	dflgh	dfhdf
NP1254	3453465474	2024-08-08	2024-08-30	16000.00	Need chance tire	Over speed client
FR456	45754685778	2024-08-28	2024-09-06	10000.00	accident oil chance need	drunk and over speed
NPHB6825	20036754664V	2024-08-08	2024-08-27	67550.00	OMGI Steering Missing, sent to mechanic and Fix it	He is Drunk & Drive Client Don't give car if he request next time.

Print Report

Can view the Cars, User Remarks given by admin here and Total Income of Car Management System service.

If click Sign out the page will redirect to Admin login page.

Thank you.

UT01536 Kiruthigan.