

SDE Assignment

Car Rental Agency

1. Assume you are designing a real-life system that will be used by real users.
2. The application should contain 2 types of users: Customers and Car Rental Agency
3. Pages to be developed-
 - **'Registration'** pages - Different registration pages for customers & car rental agencies.
 - **'Login'** pages - Single/different login pages for customers & car rental agencies.
 - **'Add new cars'** page - A Car rental agency once logged in, should be able to add details of new cars available for rental. Details to add
 - Vehicle model, Vehicle number, seating capacity, rent per dayAccess to this page should be restricted only to the car rental agency. Car rental agencies should also be able to edit the details of a particular car
 - **'Available cars to rent'** page - There should be a page that displays all the available cars to rent. Details to display -
 - Vehicle model, Vehicle number, seating capacity, rent per day
 - Capture input as dropdown for the number of days the customer need to rent the car (This input only be shown when the customer is logged in)
 - Capture start date (This input only be shown when the customer is logged in)
 - 'Rent Car' button.This page should be accessible to everyone, irrespective of whether the user is logged in or not. Expected functionality on click of the 'Rent Car' button-
 - Only customers should be able to book the available car by clicking the 'Rent Car' button.
 - If the customer is not logged in, then he/she should be redirected to the login page.
 - If a user is logged in as an agency, then the user should not be allowed to book the available car
 - Car Agency **'View booked cars'** page - Agency should be able to see the list of all the customers who have booked a particular car added by them.

Technologies:

1. Please write the front-end in HTML/CSS/JS. You may use Bootstrap if you wish.
2. Please write the backend in either core PHP or PHP CodeIgniter framework. Use MySQL as the database.

Mainly, we want you to concentrate on the following things:

1. Neat & simple design
2. Good database architecture
3. Good coding practices (write readable, modular code)

How to send: please zip the assignment, upload on google drive and share the google drive link only. Please make sure you include the SQL file so that we can replicate your database.