A
Project Report
On
"SY RENTALS"

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Charotar University of Science and Technology

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Submitted at

CSE

DEPSTAR

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CERTIFICATE

This is to certify that the report entitled "**SY RENTALS**" is a bonafied work carried out by **SMIT PATEL (19DCS103) & YASH PATEL (19DCS106)** under the guidance and supervision of **Assistant Prof. Rima Patel** for the subject CE244 - **Software Group Project-II** (CSE) of 4rd Semester of Bachelor of Technology in **DEPSTAR** at Faculty of Technology & Engineering – CHARUSAT, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate himself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

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DECLARATION BY THE CANDIDATE

I hereby declare that the project report entitled "**SY Rentals**" submitted by me to Devang Patel Institute of Advanced Technology and Research, Changa in partial fulfilment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering, from Department of Computer Science and Engineering, DEPSTAR/FTE, is a record of bonafied CE244 Software Group Project-II (Project Work) carried out by me under the guidance of Prof. Rima Patel. I further declare that the work carried out and documented in this project report has not been submitted anywhere else either in part or in full and it is the original work, for the award of any other degree or diploma in this institute or any other institute or university.

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Yash Patel (19DCS106)

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ABSTRACT

Our Aim is to design and create a website on SY Rentals which is powered by MySQL database in the backend. This enables the admin to rent a vehicle that can be used by a customer. By paying the money during a Specified Period of time. This system increases customer retention and simplifies vehicle and staff management in an efficient way.

This software SY Rentals has a very user-friendly interface. Thus, the users will feel very easy to work on it. By using this system admin can manage their rental, payment, employment issues and vehicle issues. The car information can be added to the system and existing car information can be edited or deleted too by Administrator. There is no delay in the availability of any car information, whenever needed, car information can be captured very quickly and easily.

The customers can also use the system to post a testimonial and also subscribe for latest updates from our website which helps in customer retention.

ACKNOWLEDGEMENT

We, the developers of “SY Rentals”, with immense pleasure and commitment would like to present the project assignment. The development of this project has given me wide opportunity to think, implement and interact with various aspects of management skills as well as the new emerging technologies.

Every work that one completes successfully stands on the constant encouragement, good will and support of the people around. We hereby avail this opportunity to express my gratitude to number of people who extended their valuable time, full support and cooperation in developing the project.

We express deep sense of gratitude towards our project guide Prof. Rima Patel for the support during the whole session of study and development. It is because of her, that we were prompted to do hard work, adopting new technologies.

We would also like to thank our friend Pratik Gupta for his guidelines throughout the development phase of the project. He helped me, whenever I was stuck in the Web Development concepts.

They altogether provided me valuable inputs and guidance, and without them it would not have been possible to achieve my goal.

Thanks,
Smit Patel(19DCS103)
Yash Patel(19DCS106)

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1. INTRODUCTION

This SY Rentals project is designed to rent cars through an online system. It helps the users to search for available cars, view profile and book the cars for a specific time period. It has a user-friendly interface which helps the user to check for cars and rent them for the period specified. The rental cars shall be categorized into different brand and fuel types. Based on the type of car required by the customer, the user shall be able to make bookings. The use of internet technology has made it easy for the customers to rent a car any time. This SY Rentals makes the bookings easy. It saves time and labor. The tool shall ask the user for information such as the date and time of journey, type of car etc. Also, it will need an identification number. Using these details, the tool shall help the customer to book a car for the journey.

1.1 EXISTING SYSTEM:

In this system user (or) client will directly interact with the car owner and owner will decide whether the car is available or not. Then if it is available, he will give rent a car to the customer. The main drawback of this system is customer need to meet the car owner which is a time waste process**.**

Disadvantages of Existing System:

1) User should manually go and book the car.
2) Its time taking process and cost also.
3) Doesn't fulfill the client requirements fully.

1.2 PROPOSED SYSTEM:

In this SY Rentals, we are going to introduce online booking of car rent will be available. So, the Burdon of the customer will be reduced. Our Aim is to design and create a data management System for a car rental company. This enables admin can rent a vehicle that can be used by a customer. By paying the money during a Specified Period of time. This system increases customer retention and simplify vehicle and staff Management in an efficient way.

- This software SY Rentals has a very user-friendly interface. Thus, the users will feel very easy to work on it. By using this system admin can manage their rental, payment, employment issues and vehicle issues such as and insurance. The car information can be added to the system by admin.

- And admin will decide the money for car rent. it bases on the day. Vehicle replacement is available if any problem that occurs in the vehicle.

Advantages of Proposed System:

1) Here user can directly interact through our system or application and the user book a car through online so it ill takes less time.
2) It ill helpful to the car rental person also. so, he can maintain his car schedules effectively. And the system maintenance will be easy.

2. PROBLEM STATEMENT

The problem statement of this project is to:

- Reduce overall cost of the business.
- Reduce man power required for operations.
- Shift the business to digital platform.
- Management of cars in an efficient way.
- Make a user-friendly website to display precise information about car type.

3. MODULES:

3.1 Authentication Module:

The user details should be verified against the details in the user tables and if it is valid user, they should be entered into the system, once entered, based on the user type access to the different modules to be enabled or disabled. If users don't have username and password, they should be registered on our application we are having two types of users like administrator and user.

3.2 Admin:

Admin can login with username and password and he can add the vehicles. Admin will have to input the rent of the car the customer has to pay per day. Vehicle replacement is also available if any problem occurs in the vehicle. He/She has to make the payment online to the owner. He/She can also be able to view the booked car details.

3.3 User:

The customers can also use the system to get a car for rent. If users want to book the car, they need an authentication. The customer should create a new account before logging in or he/she can log into the System with his/her created account. Then he/she can view the available cars in the available brands and make a reservation for any number of cars.

4. PROJECT OBJECTIVE

The objectives of this project are to:

- Rent cars of different types using our website in any chosen location
- Helps to get all desired schedules.
- Provide a single platform to rent cars & do the payment
- Ensure availability a pictorial representation of the cars to be booked.
- Automate the cancellation of booked cars due to any issue.

5. FEATURES

Admin Features

- Admin login
- Admin can add new vehicle brand details
- Admin can manage vehicle brand details (Edit, Delete)
- Admin can add new vehicle details
- Admin can manage vehicle details (Edit, Delete)
- Admin can manage booking details (Admin can confirm and cancel booking)
- Admin can manage testimonial details (Active and Inactive)
- Admin can manage contact us query
- Admin can check all registered users' details
- admin can update other page content Like about us details, term and condition page etc.
- Admin can update the contact details dynamically
- Admin can manage subscribers
- Admin can change password
- Admin dashboard has (Count all users, count total booking, count total subscribers, count total queries etc.)

Registered User Features

- New user can register through registration page
- Registered user can login with valid email and password
- User can recover forget password after providing some correct Information
- User can find car details and booked car
- User can view car booking history
- User can check booking status (admin can approve or disapprove)
- User can update their profile
- User can update their password
- User can add new testimonials
- Logout

Guest User Features

- Guest user can view the website and surf/find car details.
- Guest users can also enquirer through the contact us page.

6. REQUIREMENTS

The following describes the hardware needed in order to execute and develop the Virtual Mouse application:

- **Computer Desktop or Laptop**
  The computer desktop or a laptop will be utilized to run the visual software in order to display what webcam had captured. A notebook which is a small, lightweight and inexpensive laptop computer is proposed to increase mobility.

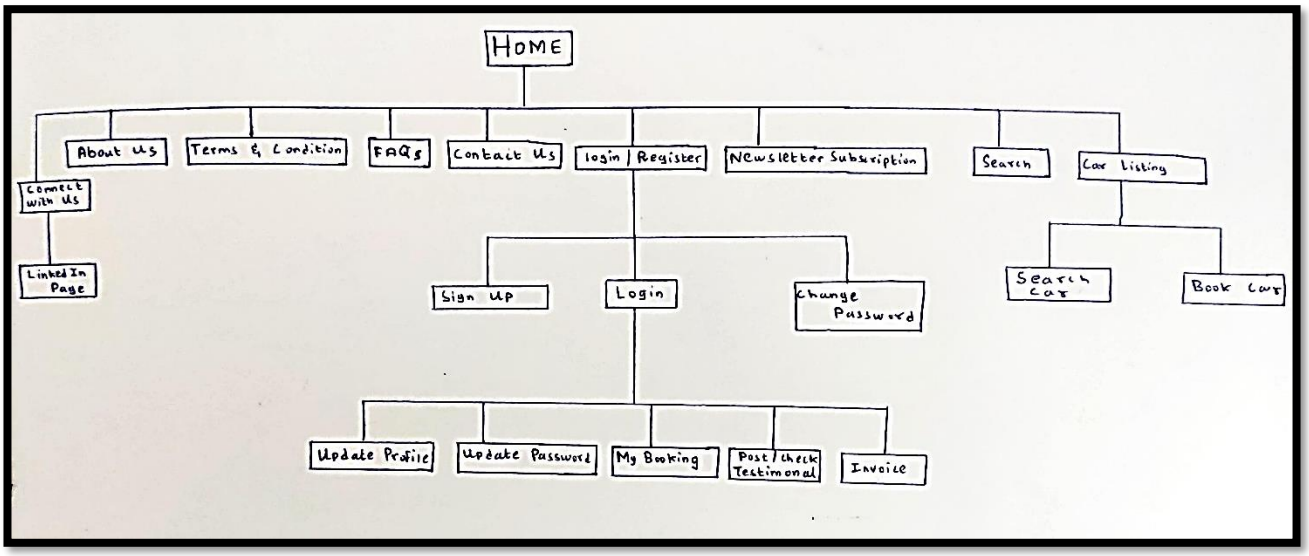
  System will be using:

PROCESSOR	INTEL CORE i3 & Above
MAIN MEMORY	4GB RAM
HARD DISK	320GB
DISPLAY	14" Monitor

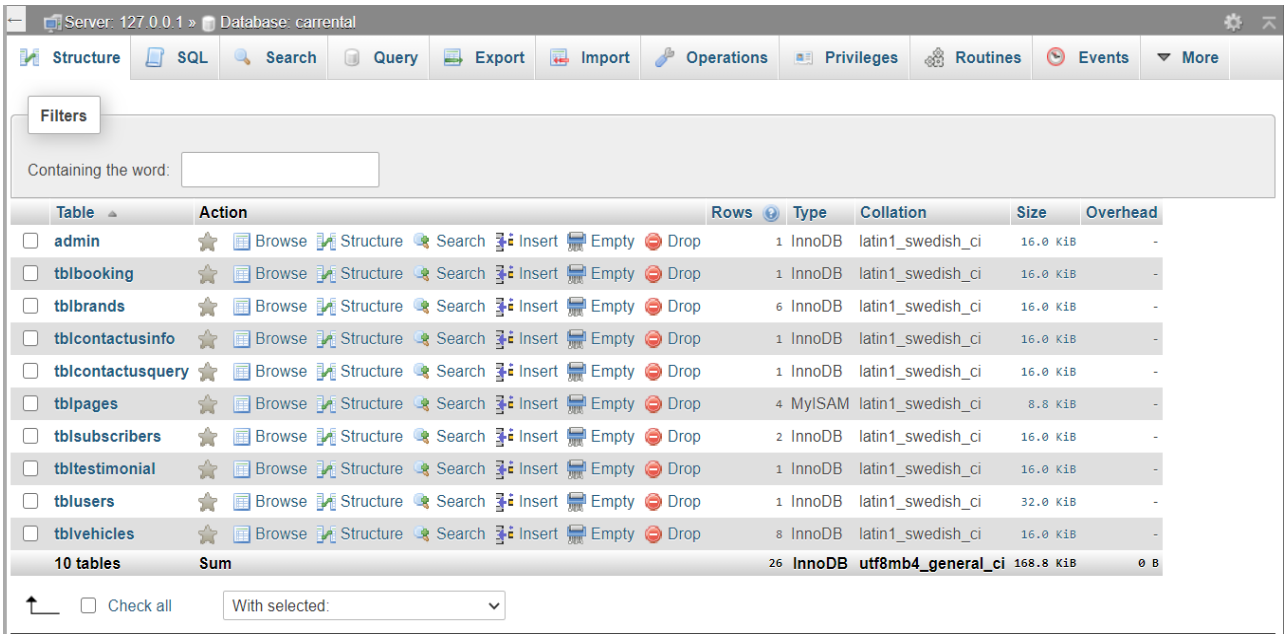
- **HTML**
  Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.

- **CSS**
  Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.
- **PHP**
  PHP is a general-purpose scripting language especially suited to web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group.
- **XAMPP SERVER**
  XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages.
- **MySQL**
  MySQL is an open-source relational database management system. Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language.
- **JavaScript**
  JavaScript, often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

7. FLOWCHART:



9.IMPLEMENTATION SCREENSHOTS:



10. CONCLUSION:

The prototype we envisioned during the initial phase of the project has been successfully implemented and is up and running as a software application.
This software application has been designed to meet the features mentioned earlier. The page designing has been done using HTML, CSS, PHP, JavaScript and MySQL.

11. FUTURE SCOPE:

This project can be improved by adding features like Geo-Location tracking, Direct Online Payment. Also, this project can also be made to work in different locations in the country.

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