

A Mini Project Synopsis on

Car Sales System

S.E. - I.T Engineering

Submitted By

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CERTIFICATE

This to certify that the Mini Project report on **Car Sales System** has been submitted by Rohin Rajendra Ambati (20104068), Prathamesh Sanjay Lambate (20104064), Sarthak Sanjay More (20104116), Kaushal Sanjay Nikam (20104117) who are Bonafide students of A.P Shah Institute of Technology, Thane, Mumbai, as a partial fulfillment of the requirement for the degree in **Information Technology**, during the academic year **2021-2022** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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Chapter 1

Introduction :

Car Sales System is an application or website that computerizes the conventional car sale procedure which are aware of. This helps in managing data related to buyers and sellers of the cars.

A car dealership or vehicle local distribution is a business that sells new or used cars at the retail level based on a dealership contract with an automaker or its sales subsidiary. It can also carry a variety of certified pre-owned vehicles. It employs automobile salespeople to sell their automotive vehicles.

1.1 Purpose :

The aim is to automate the system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

1.2 Objectives :

- To build a user friendly system.
- To provide relevant details to the user about cars.
- To create a platform which includes reviews, ratings and comparisons to help the user choose the best models.
- To achieve an efficient and effective domain for car sales system.

1.3 Scope :

- The system will be useful in areas like garages, manufacturing industries, supplies, spare parts shops, etc.
- The system can also be applied in the domains such as vehicle inventory, booking and billing software, etc.
- To assist the staff in minimizing the effort spent on their respective working areas.
- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system satisfies the user requirement.
- The system is easy to understand by the user and operator.
- The system provides a good user interface.
- Provides good buying or selling experience.

Chapter 2

Problem Definition :

In the existing system it is difficult to discrete each car information and provide it to the buyer interested to purchase them. Client is facing difficulties for the information of car like year of manufacture, model, etc. Also the lack of wide range of options in car types and brands selection is distorting the experience of user. The option of selling old cars is not available on most car shopping platforms.

The suggestion is to create such a system that will accommodate all the required information of car for the buyer in order to ease them to purchase it. Development of an interactive car sales system which lets user to find a car and its details is the main objective of this project. Both the user and the admins can access the details of every car.

Chapter 3

3.1 Proposed System :

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system and reduces the manual work.

- Minimize manual data entry.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- User friendliness and interactive.
- Minimum time required.

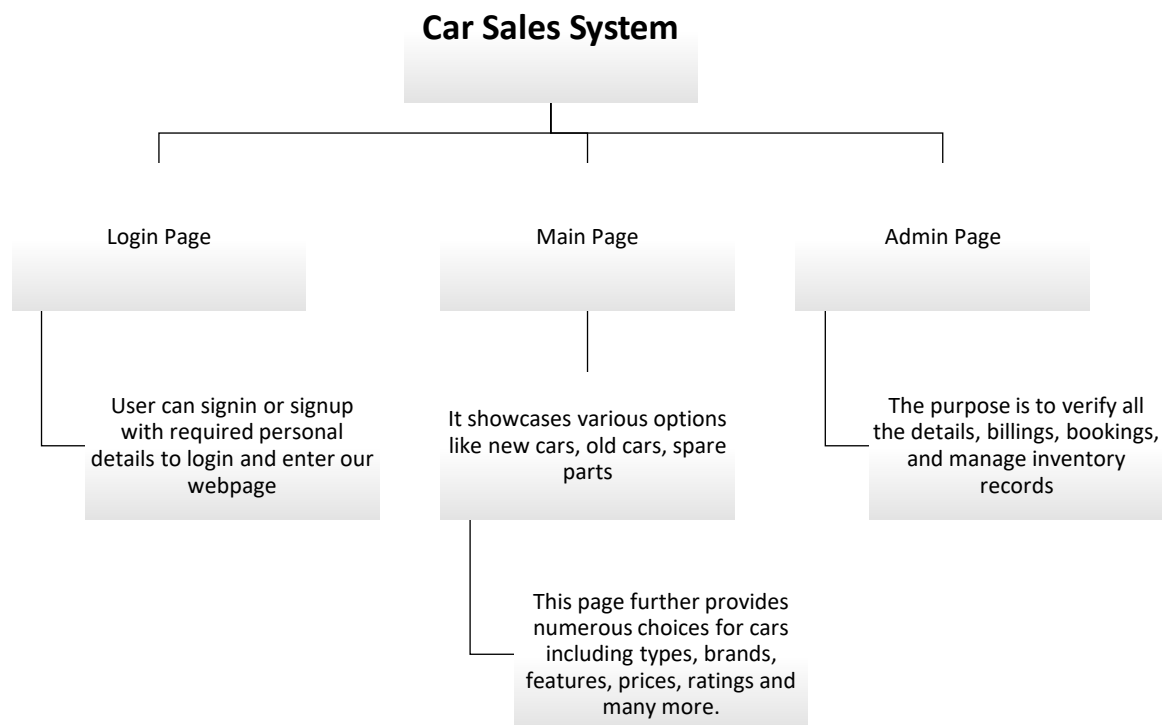


Figure 1. Block Diagram

➤ Important Features are as Follows :

- The above block diagram is made to highlight the key components in our project in a hierarchical layout.
- Within the car sales system block there are 3 major subtopics which are main page, admin page, login page.
- Below the login page, the important functions are specified regarding how the user can sign in or sign up to enter.
- Below the main page the whole idea of the webpage is explained briefly such as types of cars like new or old, spare parts.
- Further bifurcating the main page we displayed the different types of car brands, prices, features, ratings, etc.
- At last the admin page section showcases the functions like billings, bookings, verification of details, records and inventory.
- In this way the above block diagram mentions the project details efficiently and effectively.

3.2 Features And Functionality :

- The system design will give full functionality and offer maximum information about the vehicle on their tips of tech devices.
- Offers a responsible and attractive system, also defining the vehicle categories clearly with the help of images and customer views, ratings.

Modules :

- Login Module : Used for managing the login details.
- Admin Module : Helps and guides the admin.
- User Module : Used for managing the users of the system.
- Main Module : Shows new and old cars with details, spare parts, etc.

Chapter 4

Project Outcome :

- User can login into system using user id and password.
- User can search for options available like login, create new account, register, etc.
- User can calculate the value of his old car.
- User can access the feature of emi calculator provided by the system.
- User can find out cars of various types.
- User can book a test drive for a car by providing necessary details.
- Address proof such as aadhaar card, electricity bills, etc. are mandatory uploads for photo identity of the user.
- Income proof such as bank statements, salary slips, etc are mandatory incase the user wants to avail Loan Option.
- It tracks all the information and credentials of user.
- Shows the information and description of new and old cars.
- To increase efficiency of managing car sales system.

Chapter 5

Software Requirements :

➤ **JDK 16.0.2**

JDK was used for writing and executing the logic and codes.

➤ **Apache NetBeans 12.5**

NetBeans was used to create design using JAVA .

➤ **MySQL**

Finally MySQL was required to network and connect the databases and complete the project for execution.

Chapter 6

Project Design :

In this phase, a logical system is built which fulfils the given requirements . Design phase of software development deals with transforming the client's requirements into a logically working system. Normally, design is performed in the following in the following two steps :

1. Primary Design Phase :

In this phase, the system is designed at block level. The blocks are created on the basis of analysis done in the problem identification phase. Different blocks are created for different functions emphasis is put on minimizing the information flow between blocks. Thus, all activities which require more interaction are kept in one block.

2. Secondary Design Phase :

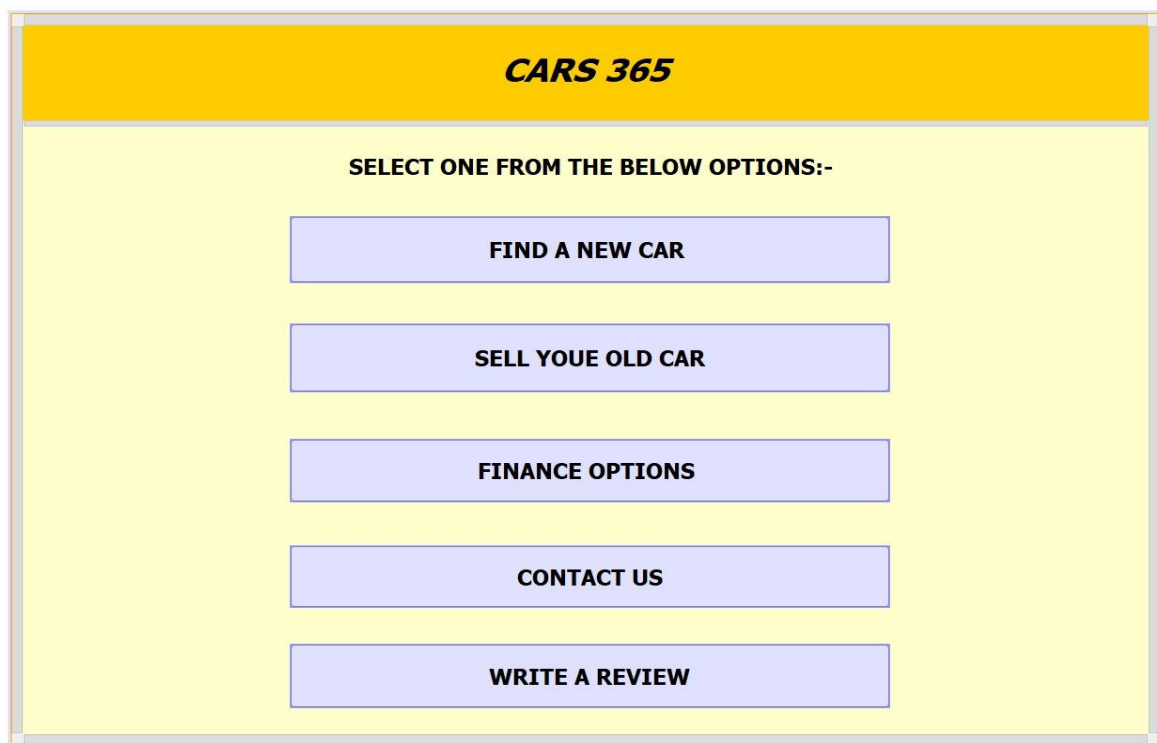
In the secondary phase the detailed design of every block is performed.

The general tasks involved in the design process are the following :

1. Design various database structures.
2. Specify details of programs to achieve desired functionality.
3. Design the form of inputs, and outputs of the system.
4. Perform documentation of the design.
5. System reviews.

User Interface Design :

User Interface Design is concerned with the dialogue between a user and the computer. It is concerned with everything from starting the system or logging into the system to the eventually presentation of desired inputs and outputs. The overall flow of screens and messages is called a dialogue.




The image shows a user interface design for a website titled "CARS 365". The title is in a yellow header bar. Below the header, there is a light yellow background area. In the center of this area, the text "SELECT ONE FROM THE BELOW OPTIONS:-" is displayed. Below this text, there are five blue rectangular buttons arranged vertically, each containing a white text label: "FIND A NEW CAR", "SELL YOUE OLD CAR", "FINANCE OPTIONS", "CONTACT US", and "WRITE A REVIEW".

From this page the user can select option such as Find a new car, Sell his old car, Finance option, Contact us, Write a review.


Clicking on each button the user will be directed to a respected page.

CARS 365

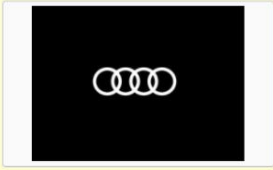
SELECT THE BRAND OF WHICH YOU WANT TO VIEW CARS




Mercedes Benz



BMW



AUDI



JAGUAR



TATA MOTORS

After clicking on Find a new car the user will be directed to this page where he/she can select the respective brand cars.

CARS 365

FILL THE DETAILS TO SELL YOUR CAR

ENTER THE BRAND OF YOUR CAR

ENTER MODEL OF YOUR CAR

ENTER THE YEAR OF PURCHASING

NUMBER OF KILOMETERS DRIVEN

CLICK HERE TO FIND THE VALUE OF YOUR CAR

After clicking on Sell old car button, the user will have to fill exact details of car to find the market value of his old car.

CARS 365

LOAN OPTIONS AVAILABLE FROM VARIOUS BANKS .

LOAN OPTIONS AVAILABLE FROM CARS 365 AT LOWEST INTEREST RATE.

**TO AVAIL LOAN AND EMI OPTIONS ,
KYC FROM BANK AND CARS 365 IS MANDITARY.**

TO FIND YOUR MONTHLY EMI ENTER THE DETAILS BELOW:-

ENTER THE PRICE OF THE CAR

ENTER THE TIME PERIOD OF YOUR LOAN

ENTER RATE OF INTEREST ON LOAN

MONTHLY EMI IS

If the user want to avail loan option for his new car, then he/she should fill the details shown in the above page to calculate the monthly EMI of the car.

CARS 365

CONTACT US

Address:-
CARS 365 , Shop No.5,6,7,8,9 ,
Kohinoor Square,
Dadar (West) ,
Mumbai 400 015.

ShowRoom Timings:-
Tuesday To Sunday
10am to 10pm

MONDAY CLOSED

Contact Details
Telephone:- 022 2456 2454
022 2343 2321

Mobile:- 9875645091
9954678097

From this page the user will find the necessary details to contact to the shop, such as Address of the shop, Showroom timing and Contact number.

The image shows a web browser window displaying a feedback form. The browser's address bar shows a URL starting with 'http://'. The form has a yellow header bar with the text 'CARS 365' in bold, italicized black font. Below the header, the main content area has a light yellow background. It contains the following text: 'SHARE HOW WAS YOUR EXPERIENCE WITH CARS 365' and 'ALSO SUGGEST ANY IMPROVEMENTS THAT YOU WOULD LIKE TO SEE' in bold black font. Below this is the instruction 'PLEASE FILL THE BELOW DETAILS TO WRITE YOUR REVIEW' in bold black font. There are three input fields: 'ENTER YOUR NAME:-' followed by a white rectangular box, 'ENTER YOUR CONTACT NUMBER:-' followed by a white rectangular box, and 'WRITE YOUR REVIEW:-' followed by a larger white rectangular box. At the bottom center of the form is a red rectangular button with the word 'SUBMIT' in white capital letters.

CARS 365

**SHARE HOW WAS YOUR EXPERIENCE WITH CARS 365
ALSO SUGGEST ANY IMPROVEMENTS THAT YOU WOULD LIKE TO SEE**

PLEASE FILL THE BELOW DETAILS TO WRITE YOUR REVIEW

ENTER YOUR NAME:-

ENTER YOUR CONTACT NUMBER:-

WRITE YOUR REVIEW:-

SUBMIT

From this page the user can give the feedback of the services provided to him/her. They can also suggest some improvements that they would like to see.

Chapter 7

Project Scheduling Template

Sr. No	Group Member	Time duration	Work to be done
1	Prathamesh Lambate	1 st week of January	Implementing 1 st module (Designing the login page or admin will login with security verification and will enter to the main menu)
2	Sarthak More	2 nd week of January	Testing 1 st module (Main menu, this will consist of the main page where admin has to select various car and spare parts options)

3	Kaushal Nikam	3 rd week of January	Implementing 2nd module (designing next page with information like car types, features, spare parts)
4	Rohin Ambati	By the end of march month	Implementing 3 rd and 4 th functionality (on this page admin can view the bookings, billings, ratings, and maintain records)

Chapter 8

Conclusion :

Our project is only a humble venture to satisfy the needs of customers. Several user friendly codes have also been adopted. This shall prove to be a powerful package in satisfying all the requirements of the users. The objective of software planning is to provide a frame work that enables the manger to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

References :

Tutus Funny:

<https://www.tutussfunny.com/inventorymanagement-javaprint-receipt/>

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