

[2025]

ONLINE BIKE BULDER

PROJECT BY
PRAVEENKUMAR K

ABSTRACT

The project “**ONLINE CUSTOM BIKE BUILDER SYSTEM**” has to be developed using C#.Net as front end and SQL server as backend.

Online Automobile management is a web application that allows user to know Automobile details through website also they can book the Automobile product efficient way. Computer technology are widely been implemented. Hence the inception of computers had a great role in reducing large tasks to simpler one. So that the proposed project is developed to automate the Complete Operations of the Automobile management. This project consists of administrator role admin has to power to add Automobile details and he can able to view booking information.

This project the user has to register to the website. After the registration user will get login id and password. The login id and password helps to user login the website. The user can view Automobile details after login. And also user can book their Automobile spares details efficient way using this website.

This system has been developed with an intention to make the system user-friendly thus reducing the manual work. The system has been developed with advanced features. The objective of our project is to establish computerization and maintain all the Automobile spares details throughout this website with efficient manner. Admin can also view all these information and he can give update in this website.

INTRODUCTION

The Automobile Spare Parts Web Application is a comprehensive business management solution designed to streamline and automate various aspects of an automobile spare parts business. This web-based platform seamlessly integrates essential features such as user registration, login, spare parts uploads, order processing, stock management, and payment tracking into a single, easy-to-use interface.

One of the key advantages of this system is its intelligent pricing and order management functionality, which allows complex pricing models to be handled efficiently. When a new spare part is uploaded, the system automatically calculates the pricing, ensuring accuracy and improving the overall customer experience. Additionally, the system maintains an up-to-date inventory, ensuring that stock levels are always monitored and managed effectively.

The payment management system is fully integrated within the platform, allowing administrators to securely store and track all transaction details. This web application also supports online sales and purchases, enabling businesses to expand their reach locally and globally. With a search engine-friendly design, this platform enhances visibility, attracting more customers and increasing sales.

The website provides detailed information on all available spare parts, including pricing, making it easy for users to browse and place orders. The entire system is managed by an admin, who has complete control over product updates, order processing, and stock management. By eliminating manual processes and providing a seamless online shopping experience, this application enhances business efficiency and customer satisfaction.

1.1 OVERVIEW OF THE PROJECT

Automobile spare parts web application is versatile business-management software that seamlessly integrates all of your Registration, Login, spare uploads, order information and stock reporting processes in one easy-to-use package.

Auto spare allows complex pricing models and rules to be managed and presented seamlessly to customers at the point of sales. If you upload a spare means all prices are calculated automatically and enhancing the customer experience. The system can store new spare details in the database. The intelligent order functionality of Auto spare goes far beyond manual and scheduled order processing. In this Auto spares website ensures that you always have an accurate, up-to-date picture of current stock levels.

Auto spares payment records will maintain by the administration, with functionality tailored to your individual requirements. Payments are fully integrated within the system, so all payment details are stored in the database table. Auto spare parts online applications facilitate online sales throughout your supply. Web interfaces are available for both sales and purchasing.

By creating a website that search engines point to when consumers look for auto spare parts, you can begin to increase sales locally and even around the world. Make your website accessible and remove any obstacles customers may face when ordering.

In this website user can know all spare parts details and their rates. This website is fully handled by the admin; Admin can update all the details in the website.

1.3 ABOUT THE SOFTWARE

About .Net Framework

The .Net Framework Is A New Computing Platform That Simplifies Application Development In The Highly Distributed Environment Of The Internet.

OBJECTIVES OF .NET FRAMEWORK:

1. To provide a consistent object-oriented programming environment whether object codes is stored and executed locally on Internet-distributed, or executed remotely.
2. To provide a code-execution environment to minimizes software deployment and guarantees safe execution of code.
3. Eliminates the performance problems.

There are different types of application, such as Windows-based applications and Web-based applications. To make communication on distributed environment to ensure that code be accessed by the .NET Framework can integrate with any other code.

COMPONENTS OF .NET FRAMEWORK

THE COMMON LANGUAGE RUNTIME (CLR):

The common language runtime is the foundation of the .NET Framework. It manages code at execution time, providing important services such as memory management, thread management, and remoting and also ensures more security and robustness. The concept of code management is a fundamental principle of the runtime. Code that target the runtime is known as managed code, while code that does not target the runtime is known as unmanaged code.

THE .NET FRAME WORK CLASS LIBRARY:

It is a comprehensive, object-oriented collection of reusable types used to develop applications ranging from traditional command-line or graphical user interface (GUI) applications to applications based on the latest innovations provided by ASP.NET, such as Web Forms and XML Web services.

The .NET Framework can be hosted by unmanaged components that load the common language runtime into their processes and initiate the execution of managed code, thereby creating a software environment that can exploit both managed and unmanaged features. The .NET Framework not only provides several runtime hosts, but also supports the development of third-party runtime hosts.

Internet Explorer is an example of an unmanaged application that hosts the runtime (in the form of a MIME type extension). Using Internet Explorer to host the runtime to enables embeds managed components or Windows Forms controls in HTML documents.

MOTIVATION:

Online Automobile spare parts sales website is mainly motivated in the user. This website provides all the spare parts details and rates. The user can easily know the parts details using this website. Once the user can register this website means he can easily access this website and knowing the updates. The main motivation of this website is increasing online spare parts sales and customer relationship. And give the new product details to the user.

2.2 PROPOSED SYSTEM

The drawbacks, which are faced during existing system, can be eradicated by using the online Automobile system. The main objective of the proposed system is to provide a user-friendly interface. The system, which is proposed, now computerizes all the processes involved in Automobile management. Project proposes a new technique to the Automobile shop to manage their customer details and booking Automobile details and details with systematic way. Proposed to make the new system extremely user friendly. This should develop to Minimizing the manual process.

2.2.1 Features and benefits of proposed system

- This application will reduce manual work and maintain updates in database from time to time.
- Data is secured and easy to retrieve old records in a short time
- Efficient recording of details at various stages
- Data redundancy avoided
- Easy report generation

2.3 HARDWARE SPECIFICATION

SYSTEM : Intel Dual Core

HARD DISK : 500 GB

RAM : 2GB

2.4 SOFTWARE SPECIFICATION

OPERATING SYSTEM : Windows XP

PLATFORM : Asp.net with C# Coding

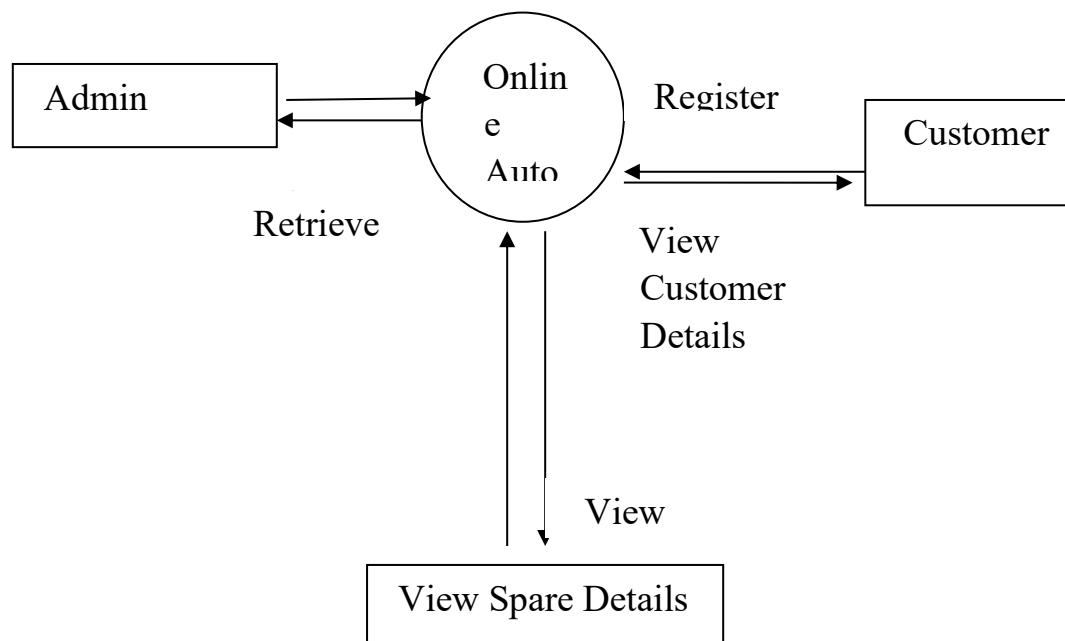
BACK END : SQL Server

FRONT END : Visual Studio.ne

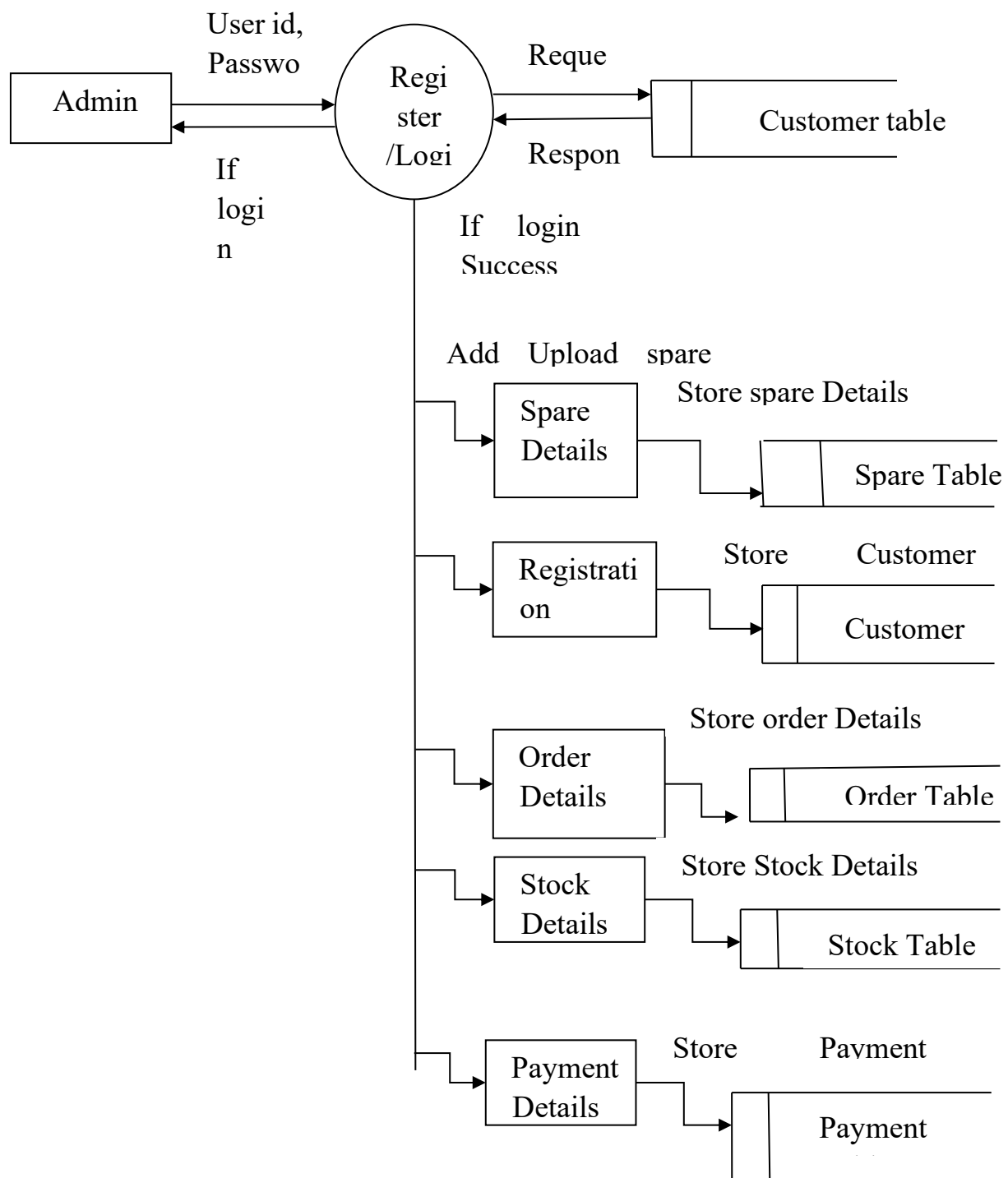
SYSTEM ANALYSIS

4.1 DATAFLOW DIAGRAM:

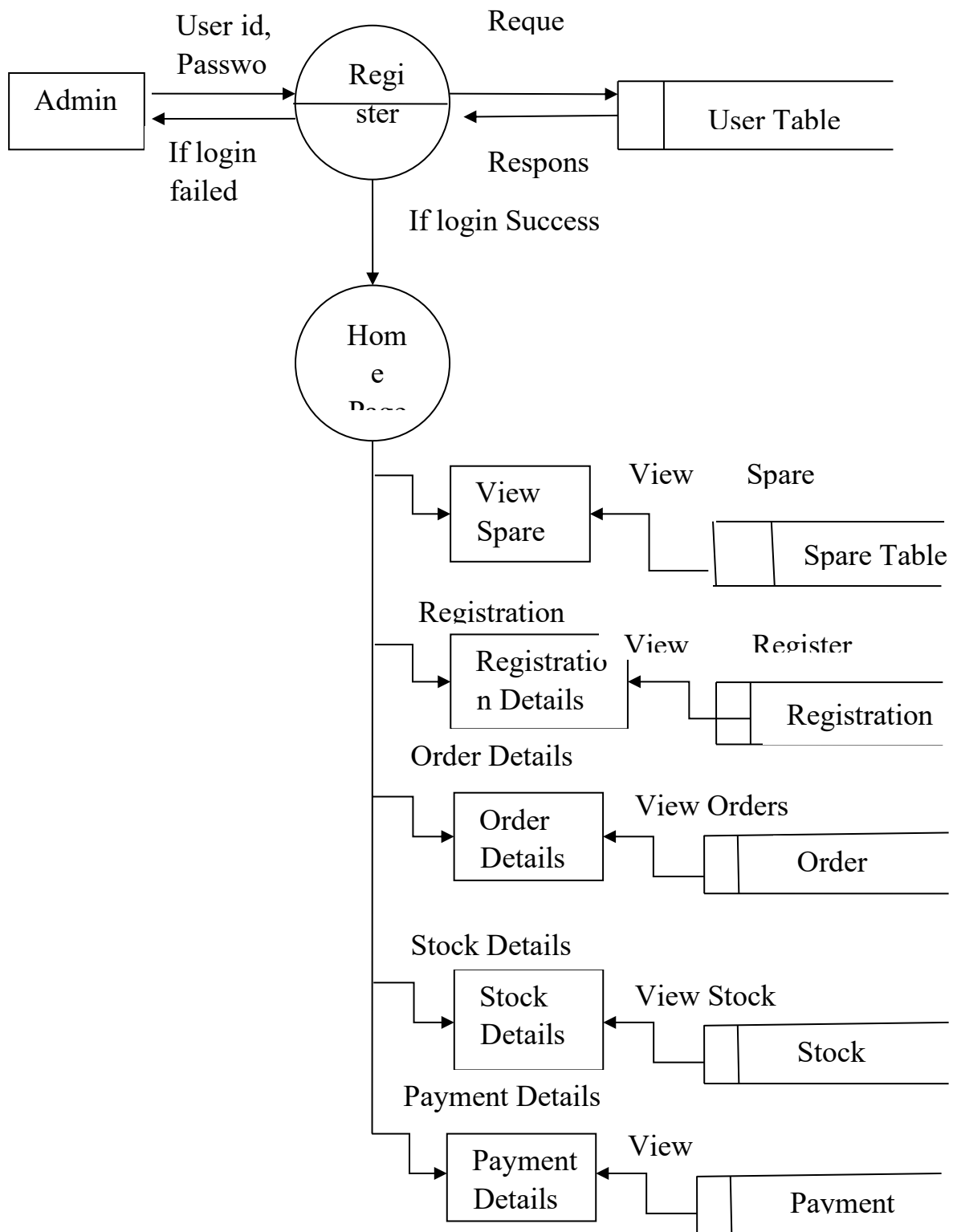
Level-0



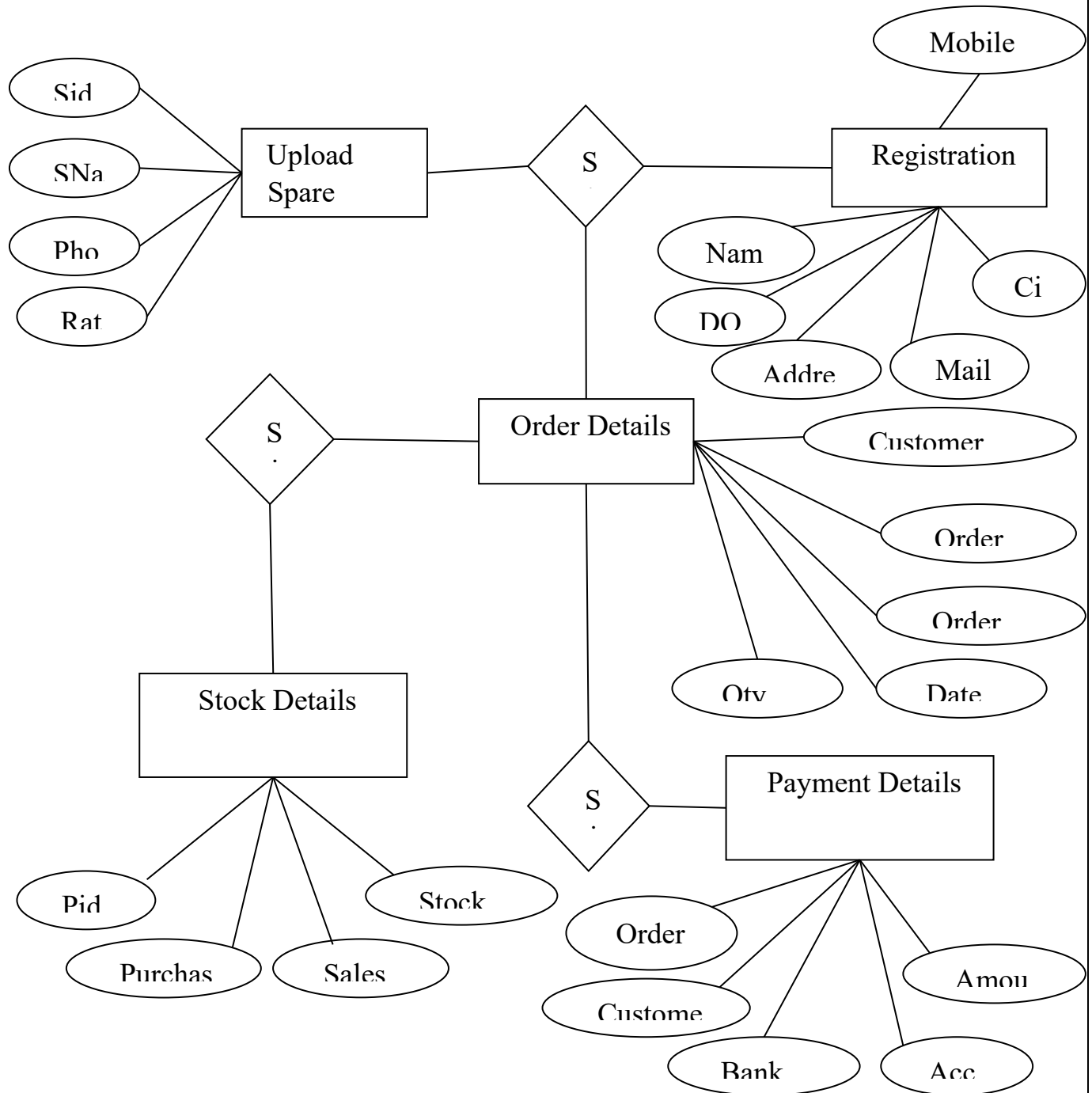
Level-1



Level-2



4.2 ER Diagram:



4.3 TABLE DESIGN:

Login table

	Column Name	Data Type	Allow Nulls
►	username	varchar(30)	<input type="checkbox"/>
	password	varchar(30)	<input type="checkbox"/>

Register table

Customer id: primary key

	Column Name	Data Type	Allow Nulls
►	name	varchar(30)	<input type="checkbox"/>
	dateofjoin	date	<input type="checkbox"/>
	addresss	varchar(MAX)	<input type="checkbox"/>
	mobilenumber	int	<input type="checkbox"/>
	mailid	varchar(50)	<input type="checkbox"/>
	username	varchar(30)	<input type="checkbox"/>
	password	varchar(30)	<input type="checkbox"/>
	confirmpassword	varchar(30)	<input type="checkbox"/>
🔑	customerid	int	<input type="checkbox"/>

Spare product table

Spareid: primary key

	Column Name	Data Type	Allow Nulls
►	sparename	varchar(50)	<input type="checkbox"/>
🔑	spareid	int	<input type="checkbox"/>
	image	image	<input type="checkbox"/>
	path	varchar(50)	<input type="checkbox"/>
	size	varchar(50)	<input type="checkbox"/>
	description	varchar(MAX)	<input type="checkbox"/>
	rate	money	<input type="checkbox"/>
	companyname	varchar(50)	<input type="checkbox"/>
	catgeory	varchar(20)	<input checked="" type="checkbox"/>
	sparesize	varchar(20)	<input checked="" type="checkbox"/>

Order table

Ordered: primary key

	Column Name	Data Type	Allow Nulls
▶	orderdate	date	<input type="checkbox"/>
🔑	orderid	int	<input type="checkbox"/>
	spareid	int	<input type="checkbox"/>
	catgeory	varchar(20)	<input type="checkbox"/>
	price	money	<input type="checkbox"/>
	customerid	int	<input type="checkbox"/>
	quantity	int	<input type="checkbox"/>
	totalamount	money	<input type="checkbox"/>

Payment table

Ordered: foreign key

	Column Name	Data Type	Allow Nulls
▶	paymentdate	datetime	<input type="checkbox"/>
	orderid	int	<input type="checkbox"/>
	spareid	int	<input type="checkbox"/>
	catgeory	varchar(20)	<input type="checkbox"/>
	quantity	int	<input type="checkbox"/>
	totalamount	money	<input type="checkbox"/>
	customerid	int	<input type="checkbox"/>
	deliveryaddress	varchar(50)	<input type="checkbox"/>
	paymenttype	varchar(10)	<input type="checkbox"/>
	bankname	varchar(30)	<input type="checkbox"/>
	cardnumber	int	<input type="checkbox"/>
	accountholdername	varchar(30)	<input type="checkbox"/>
	expirydatemonth	datetime	<input type="checkbox"/>

Stock table

Product id: foreign key

	Column Name	Data Type	Allow Nulls
▶	stockdate	datetime	<input type="checkbox"/>
	productid	int	<input type="checkbox"/>
	purchasequantity	int	<input type="checkbox"/>
	salesquantity	int	<input type="checkbox"/>
	stockquantity	int	<input type="checkbox"/>

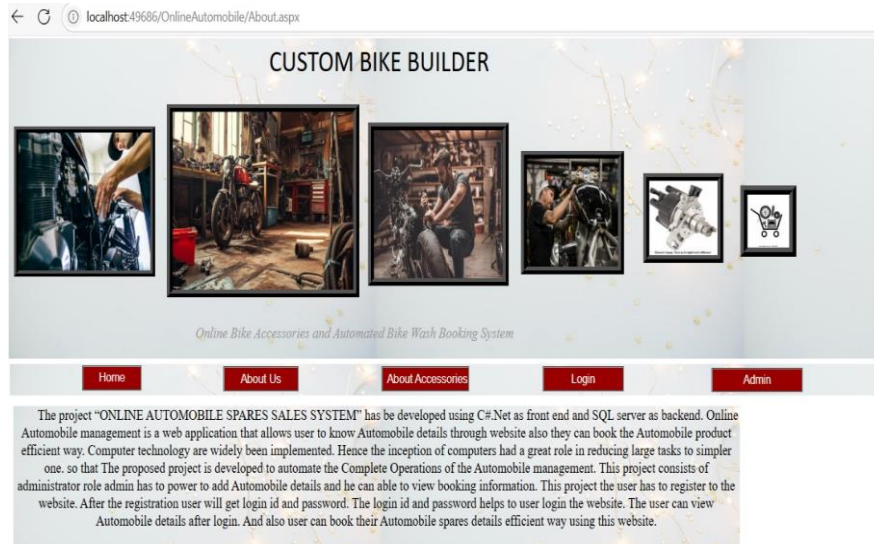
Feedback table

Customerid: foreign key

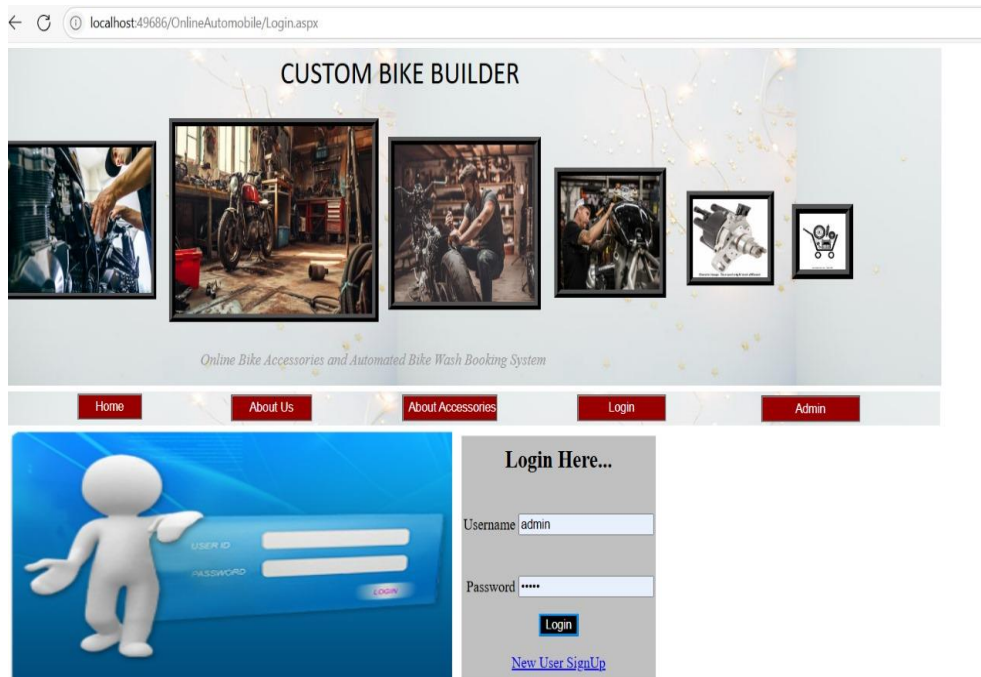
	Column Name	Data Type	Allow Nulls
►	feedbackdate	datetime	<input type="checkbox"/>
	customerid	int	<input type="checkbox"/>
	customername	varchar(30)	<input type="checkbox"/>
	feedbacktype	varchar(20)	<input type="checkbox"/>
	description	varchar(MAX)	<input type="checkbox"/>

SAMPLE INPUT AND OUTPUT SCREENS

HOME PAGE:




ADMIN LOGIN:



SPARE PARTS ADDING:

localhost:49686/OnlineAutomobile/SpareUploads.aspx



CLASSIC BIKES

[Home](#) [Accessories Uploads](#) [View Registration](#) [View Order](#) [View Payment](#) [Stock Entry](#) [View Request](#) [Add Service](#) [Logout](#)

Upload the Spares

Spare Name

Headlight

Spare id

6

Photo

Choose File

Screenshot ... 183150

Description

classic 350

Rate

650

Date

12-03-2025 17:39:08

Bike Name

Royal Enfield

Model Number

2020


Upload

File Upload

Use our file upload tool to get us the assets needed to complete your next project.

ORDER REQUEST VIEW:

localhost:49686/OnlineAutomobile/ViewRequest.aspx



CLASSIC BIKES

[Home](#) [Accessories Uploads](#) [View Registration](#) [View Order](#) [View Payment](#) [Stock Entry](#) [View Request](#) [Add Service](#) [Logout](#)

Select Request Date10-03-2025View Request

Admin View Request Details

requestdate	requestid	customerid	customername	address	vehicletype	vehiclename	vehiclenumber	dateandtime
10-03-2025	2	2	ANANTH	cbe	Gear Bike	pulsar	tn41af5240	11-03-2025 11am

15

ORDER DETAILS:

localhost:49686/OnlineAutomobile/ViewOrder.aspx



CLASSIC BIKES

[Home](#) [Accessories Uploads](#) [View Registration](#) [View Order](#) [View Payment](#) [Stock Entry](#) [View Request](#) [Add Service](#) [Logout](#)

Order Details

Order Id 6 [View](#)

name	ordertype	orderid	orderdesigntype	dateoforder	address	orderquantity	productid	rate	orderamount
ananth	User Order	6	Spares	10-03-2025	klm	2	1	5000	10000

PAYMENT DETAILS:

localhost:49686/OnlineAutomobile/ViewPayment.aspx



CLASSIC BIKES

[Home](#) [Accessories Uploads](#) [View Registration](#) [View Order](#) [View Payment](#) [Stock Entry](#) [View Request](#) [Add Service](#) [Logout](#)

Payment Details


Payment date 18-04-2022 04:43:39 [View](#)

paymentdate	orderid	customerid	productid	productprice	ordertype	orderquantity	bankname	cardnumber	accountholdername	typeofamount
18-04-2022 04:42:39	1	1	1	5000	Replacement Product	1	Sbi	9876543210	Karunya	Full Amount

USER LOGIN:


← ↻ ⓘ localhost:49686/OnlineAutomobile/Login.aspx

CUSTOM BIKE BUILDER



Online Bike Accessories and Automated Bike Wash Booking System

Home About Us About Accessories Login Admin



USER ID

PASSWORD

[Login](#)

Login Here...

Username


Password

[Login](#)

[New User SignUp](#)

SPARE PARTS VIEW:

← ↻ ⓘ localhost:49686/OnlineAutomobile/Gallery.aspx






CLASSIC BIKES

Home Gallery Order Payment Bike Wash View Status Logout

Select Brand Name

Select Model Name


Select Spare Name [View Spare](#) [View All Spares](#)



Product ID: 4Rate: 2000


ORDER DETAILS:

localhost:49686/OnlineAutomobile/Order.aspx



CLASSIC BIKES

HomeGalleryOrderPaymentBike WashView StatusLogout



www.shutterstock.com - 517813702

Order Now

NamePraveen

Order TypeUser Order

Order Id7

Order design typeSpares

Date Of Order03-03-2025

Addresscbe

Order Quantity2

Product id5


Product Price650

Order Amount1300

Submit


March 2025

Su	Mo	Tu	We	Th	Fr	Sa
23	24	25	26	27	28	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5




PAYMENT DETAILS:

localhost:49686/OnlineAutomobile/Payment.aspx



CLASSIC BIKES

HomeGalleryOrderPaymentBike WashView StatusLogout



Payment Here

Payment Date12-03-2025 17:44:22

Order Id6

Customer Id2

Product Id5

Product Price10000

Order Type(None)

Order Quantity2


Bank NameSBI

Card Number25487914547

Account Holder NamePraveen

Type of Amount(Full Amount)


Pay



18

REQUEST SERVICE:

← ↻ localhost:49686/OnlineAutomobile/CarWash.aspx




CLASSIC BIKES

[Home](#) [Gallery](#) [Order](#) [Payment](#) [Bike Wash](#) [View Status](#) [Logout](#)

Car Wash Request Details

Request Date	<input type="text" value="12-03-2025"/>
Request ID	<input type="text" value="3"/>
Customer ID	<input type="text" value="2"/>
Customer Name	<input type="text" value="ANANTH"/>
Address	<input type="text" value="cbe"/>
Vehicle Type	<input type="text" value="Gear Bike"/>
Vehicle Name	<input type="text" value="Royal Enfield"/>
Vehicle Number	<input type="text" value="TN 24 PR 1905"/>
Bike Wash Date and Time	<input type="text" value="14-03-2025"/>



[Submit](#) [Cancel](#)

CONCLUSION

This project has successfully discussed the future of auto spares and their sales. In order to do this, it first addressed the current situation of the automotive industry, how is it evolving, and how auto spares and accessories can make a difference in the economy of a country. By focusing on current trends, it is discovered that the major contributor to this industry. Therefore, throughout the number of strategies were recommended that could increase the sales, network and profits in automotive companies. This website is to achieve all the users to using this website. And give the spare parts information to the users. This website is used to finding the stock level requires understanding the cost of inventory, for each spare parts. In this website observed that, Indian automobile sector and a key contributor to the country's economy. Factors like increasing purchasing power, new product launches, booming exports and easily available finances have resulted in increase in sale volumes in the website. This website used to rapid improvement in the automobile spare parts sales in the sales industry. In this automobile spare parts industry more competitive in world besides making the country a favorable destination for investment by global majors in automobile industries