Major Project Report

On

General Store Website

In Partial fulfilment of the requirement for the award

Or

Diploma in Computer Science & Engineering



Guru Nanak Dev Polytechnic College, Gill Park (Ludhiana)

SUBMITTED TO

S. Hardeep Singh Jawanda HOD Computer Science & Engineering Department

SUBMITTED BY

Anmol Dhanda (190179501589) Class Roll No. 1403

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Candidate's Declaration

I am the student of the C.S.E (Computer Science & Engineering) department at Guru Nanak Dev Polytechnic College Ludhiana, hereby declare that I own full responsibility for the information etc. provided in this project report "General Store Website", submit to Guru Nanak Dev Polytechnic College, Ludhiana, India for the award of C.S.E (Computer Science & Engineering) diploma I have completely taken care in acknowledging the contribution of others in the academic work I further that in case of any violation of intellectual property rights or copyrights found at any stage.

Me as the candidate will be solely responsible for the same.

·	Anmol Dhanda	_
Contified that this project is the hone	ofice work of Annal Dhande w	he garried out the preject
Certified that this project is the bene work under supervision	effect work of Allinoi Diffanda w	no carried out the project
Internal Examiner	_	External Examiner

Acknowledgement

I express my gratitude to the Principal Sarbjeet Kaur for having providing me facilities to do the project successfully. I would like to express my special thanks of gratitude to my teachers Dr. Hardeep Singh Jawanda and Prog. Prabhjot kaur who have gave me the golden opportunity to do this project on General Store Website which helps me in doing a lot of research and I came to know about many new things I am really thankful to them secondly I am thankful to my parents and my friends who helped me lot in finishing this project within limited time I am not only making this project for marks but also to increase knowledge I have taken efforts in this project however it would not possible without the help and kind support of many individuals and organizations would like to extend my sincere thanks to all of them.

I thank our god for providing me with everything that I have required in completing my project.I would like to express my gratitude towards my parents for their kind cooperation and encouragement which help me in the completion of this project.

I would like to express our special gratitude and thanks to the industry person forgiving me such time and attention. My thanks and appreciation also to our classmate in developing this project and the people to who have willingly help me out with their abilities.

Preface

This report reprints my opportunity of being in professional environment as a student in Guru Nanak Dev Polytechnic College. Ludhiana during our sixth semester for the award of diploma in Computer Science Engineering. A sincere effort has been made such that this report gives a clear picture of the job opportunities and the work potential both in Technical and commercial aspects in the Power and IT industry for a budding Computer Engineer.

Experience, no doubt, is a great General Store Retail businessman and a valuable assets. However the supreme importance of sound working and knowledge of principles should never be over looked, as the mere experience cannot go long way. The purpose of projectdevelopment is to familiarize the Customer with the present working shops in the area and outside.

The project development provide Customer with an opportunity to buy the cheap and best products of which they can use and trust blindly .This site I made for our client to purchase the products online and also they can check the review of our shops in our website. This semester period would certainly help them for the future course of action and help them to develop their potential and technical skil

Abstract

Project is a series of activities taken by a programmer to practically apply and implement the knowledge gained during course of study. In general, one can saythat a project is not a physical objective, nor is the end result. It has something todo with the going in between, which must be same, whether we build a high technology process plant or merely hold on election, it is termed as a project. This goal or requirement of the project decides the path and mode wise that a project is to be executed. Basically the project is all about the "General Store Website".

The purpose of making this project is to make the customers to reach our shop online from all over the world so they can visit the website and know that your shop exists in the online world of the internet.

Thus it will help organization in better utilization of resources. The customers can buy and use the cheap and best products by our shops reviews and they cannot compromise with their health in case of anything. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The aim is to open the eyes of the people living in the world that they can buy the products at home or anywhere and we provide free home delivery if your billing amount is upto \$5000 Basically the project describes how tomanage for good performance and better services for the clients and Customers.

Existing System Study

- 1. <u>Updated design.</u> Your site was state of the art in 2022. It's got a header, a couple of sidebars, and a big chunk of information running down the center. Guess what? It looks like it's nearly a decade New. Because it is. Time to refresh with current design thinking. The layout of a page has evolved over the newest decade. These days the best sites break up content into smaller, digestible bits.
- 2. There's no clear path. You want to extend a warm welcome to your Customers. Give them an easy way appoint in and through online mode for car maintainace. Too much competition forattention is a turn off. When you provide too many options, the functional result is no options.
- 3. <u>Design for the wrong reasons</u>. Always begin by identifying your target Client and customer customizing design and content of our website of car repair. You may want your site to look "modern" or like another site you've seen, but if you haven't checkedin with what your audience needs and wants, you can fail miserably.
- 4. **Your site isn't optimized for mobile**. You shouldn't need to be reminded of this, but numbers don't lie. Mobile is overtaking desktop. It's increasingly likely that your visitors see your site on a tiny screen. If they have to pinch and stretch to read, they'll find a better source of information. Be sure to test your site on smartphone and tablet.

Proposed System Study

I have created this project to make young generation familiar with general store related information. My strategy is to provide users a better experience form direct sales business to sales and service through a website. This strategy will be a benefit to the user because the user can purchase items form anywhere and anytime through our website and the products will be delivered at home with our trust and security. I have create this project in such a way that user can adds unlimited items to their cart or account inventory and the grand total will be shown at the end.

In order to make the site dynamic and more interactive and user friendly I have tried to include a database link to our general store website. I also have made a contact section from where the visitors can contact us for any queries with the store locator with the help of google maps so they can visit our store physically and also there's a feedback section for our shop hence the users can give us any complain or give a feedback for managing our shop more great like they can suggest us to add new products to our website and this is a small step for the local small business holders to make their shop online in the digital world so they can earn huge profits.

Hardware Requirements

The General Store website so we are sure that this website can be visited by any aged person in the world because we provide daily need items it means the parents will also visit this shop because they are looking forward for great discounts and offers and they will purchase here some of our grocery products for their home and children and students also can buy some stationery related product for their school, colleges projects that's why we made it more dynamically

This is a general to perform because it can be operate by children also.

Minimum Hardware Requirements:-

ForDevelopment:

OS: Windows 10 64bit versions only or Mac OS 10.12⁺ Server versions of Windows & Os X are not tested.

CPU: intel i3-4350H @3.1Ghz

RAM: 2 GB

HDD: 256 GB

The rest mostly depends on the complexity of your projects.

More detailed requirements:

Desktops:

1. **OS**: Windows 10, Mac OS 10.12⁺

2. **GPU**: Graphics card Hd graphics 4000

3. **CPU**: intel i3-4350 @3.1Ghz

4. **<u>IOS</u>**: IOS 7.0 or higher

5. **Android**: OS 4.1 or later ARMv 7 CPU with support or atom CPU

6. Web Version: Any recent desktop version of Firefox, chrome, edge or safari

7. **HDD**: 256 GB

Software Requirements

The list given below of the software are used for development of the website fromstarting point to end you need these softwares but some of them are paid softwaresbut there are some free versions of them with less features.

- Microsoft Visual Studio Code 2019
- Adobe Photoshop CC
- Web Browser
- Xamp Server
- My SQL

Technologies Used

- HTML
- CSS
- PHP
- JAVASCRIPT
- SQL

Development Software's and Languages

• HTML- Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript, it forms a triad of cornerstone technologies for the WorldWide Web. [4] Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTMLdescribes the structure of a web page semantically and originally included cues for the appearance of the document. HTML elements are the building blocks of HTML pages. With HTML constructs, images and other

• HTML Syntax:

- <html>
- <head>
- <title>untitled></title>
- </head>



- <body>
- /*contents of the document*/
- </body>
- </html>
- <u>BODY</u> Document body: The BODY tag contains the actual contents of the document. Those contents should consist of block elements only. You may put in plain text in the body, this is then assumed to be inside a P container
- <u>BR</u> Forced line break: The BR tag is used to force line breaks within text. Normally, line breaks are treated as a space by browsers (except inside the PRE tag). The optional CLEAR attribute is used when you have an IMG image in your text. Objects such as interactive forms may be embedded into the rendered page. HTML provides a means to 6 create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items.
- Java Script- JavaScript often abbreviated as JS, is a high-level, interpreted programming language. It is a language which is also characterized as dynamic, weakly typed, prototypebased and multiparadigm. Alongside HTML and CSS,JavaScript is one of the three core technologies of the World Wide Web. JavaScript enables interactive web pages and thus is an essential part of web applications. The vast majority of websites use it, and all major web browsers have a dedicated JavaScript



engine to execute it.

• <u>Visual Studio Code</u>- Visual Studio Code is a lightweight but powerful sourcecode editor which runs on your desktop and is available for Windows, macOSand Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages (such as C++, C#, Java, Python, PHP, Go) and runtimes (such as .NET and Unity).



• <u>CSS</u>- Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript. CSS is designed to enable the separation of presentation and content, including layout, colours, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate CSS file, and reduce complexity and repetition in the structural content.

Types of Stylesheet:

- Internal Stylesheet
- External stylesheet
- Inline Stylesheet
- External stylesheet:-With an external style sheet, you can change the look of an entire website by changing just one file! Each page must include a reference to the external style sheet file inside the link> element. The link> element goes inside the <head> section

```
<head>
k rel="stylesheet" href="style.css>
<head>
```

• <u>Internal Stylesheet</u>: An internal style sheet may be used if one single page has a unique style. Internal styles are defined within the <style> element, inside the <heasection of an HTML page:

Syntax:

<head>

background-color:red;color:maroon; margin-left:40px;



</style>

• Adobe Photoshop- Adobe Photoshop is the industry standard in graphics editing, used for creating and enhancing photographs, illustrations, and 3D artwork. With Photoshop you can compose, edit, and manipulate images acrossmultiple layers using masks, transparencies, and colour spaces.



• Xampp server:-XAMPP is a completely free, easy to install Apache distribution containing MariaDB, PHP, and Perl. The XAMPP open source package has been set



up to be incredibly easy to install and to use

• Php:- PHP started out as a small open source project that evolved as more and more people found out how useful it was. Rasmus Lerdorf unleashed the first version of PHP way back in 1994.PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code – which may be any type of data, such as generated HTML or binary image data – would form the whole or part of an HTTP response. Various web template systems, web content management systems, and web frameworks exist which can be employed to orchestrate or facilitate the generation of that response. Additionally, PHP can be used for many programming tasks outside the web context, such as standalone graphical applications[11] and robotic drone control.[12] PHP code can also be directly executed from the command line. The PHP language evolved without a written formal specification or standard until 2014, with the original implementation acting as the *de facto* standard which other implementations aimed to follow. Since 2014, work has gone on



to create a formal PHP specification fig(1.4)

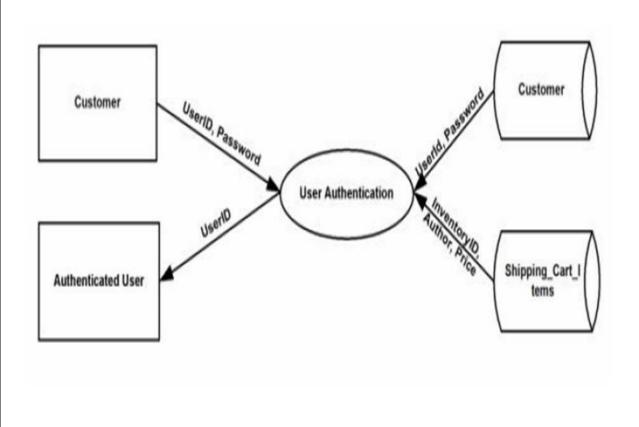
SQL:-MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation).[8] In 2010, when acquired Sun Widenius forked the open-source MySQL project create MariaDB.MySQL has stand-alone clients that allow users to interact directly with a MySQL database using SQL, but more often, MySQL is used with other programs to implement applications that need relational database capability. MySQL is a component of the LAMP web application software stack (and others), which is an acronym for Linux, Apache, MySQL, Perl/PHP/Python. MySQL is used by many database-driven web applications, including Drupal, Joomla, phpBB, and WordPress. MySQL is also used by many popular websites, including Facebook.

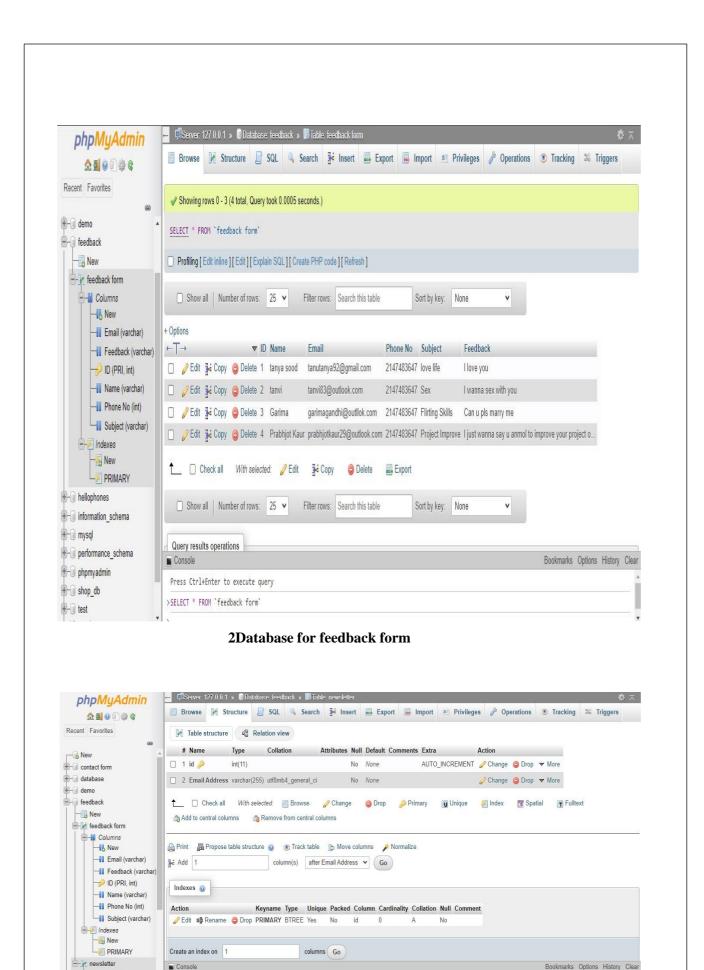


<u>Database Design</u> –

Anmol Di All In One Shop

#	Name	Type	Extra
1	ID	int(255)	AUTO_INCREMENT
2	Name	varchar(255)	
3	Email	varchar(255)	
4	Phone No.	int(255)	
5	Subject	varchar(255)	
6	Feedback	varchar(255)	





- Columns

-II New

Email Address (vard

Press Ctrl+Enter to execute query

2Database for newsletter form

>SELECT * FROM `newsletter`

Implementation

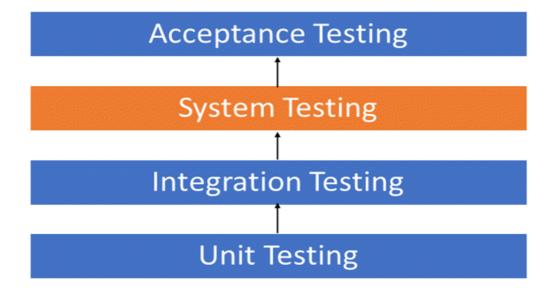
- 1. **Homepage** It consists of the landing page of our website where the user can browse through all of our webpages and gain some information about our website.
- 2. **Categories** We have further divided our products into two main categories where the end user no need to panic and they just go to the specified category of the related products eg stationery products will be on the stationery section and the grocery section contains all the products related to the grocery.
 - a. **Grocery** Here we've put all the products related to our daily needs or grocery items and it includes all the products relate to the groceries.
 - b. **Stationery** Here we've put all the products related to our stationery items here can visit and see all the products related to school, college, office stationery.
 - 3. **Services** This is the services page for our website where the end user can see all the services provided by the shop like if the user wants to replace or exchange the products then all the terms and conditions related to that services will be usually on this page and also you can see this is the main page for the user's help and enquiry.
 - 4. **About Us** It's the about page of our shop like what was the startup of this shop and how its started and how its going and all the history related to our shop will be on this page like the owner of this shop.
 - 5. **Contact Us** This is the most common but useful page in any of the website because any user visited the website in case of any query if he/she wants to contacts them then this page will provide them the useful information and here you can contact us you can mail us, call us, and also check the location of our store on google maps that we've put into it and also you can give some useful feedback to improve us.

- 6. **Cart Section** It is the cart section where all the products added by the user displayed on this page like if the user had visited the website and added some of the products to its cart then all of the products will be here and with the proper billing amount and also the user can checkout if he/she is sure to buy them we have provided all the payment gateways for all the user so the user can experience a better experience but before put all the details of the products delivery and all the payment related information carefully.
- 7. **Sign Up** Here we have put a page to sign up for an account on our website the user had to provide some additional information of themselves and we will send an otp message to the registered mobile number of the user which have put in the website to check the validity of real user.
- 8. **Login** Now the user had to just login to our website by providing the login name and password for the website that the user had choosen for himself which is unique from all the user to purchase the products.

Testing

† SYSTEM TESTING

Testing is a set activity that can be planned and conducted systematically. Testing begins at the module level and work towards the Integration of entire computersbased system. Nothing is complete without testing, as it is vital success of the system.



Testing Objectives: There are several rules that can serve as testing objectives, they are

- 1. Testing is a process of executing a program with the intent of finding an error
- 2. A good test case is one that has high probability of finding an undiscovered error.
- 3. A successful test is one that uncovers an undiscovered error. If testing is conducted successfully according to the objectives as stated above, it would uncover errors in the software. Also testing demonstrates that software functions appear to the working according to the specification, that performance requirements appear to have been met. There are three ways to test a program
- 1. For Correctness
- 2. For Implementation efficiency
- 3. For Computational Complexity.

Tests for correctness are supposed to verify that a program does exactly what it was designed to do. This is much more difficult than it may at first appear, especially for large programs. Tests for implementation efficiency attempt to findways to make a correct program faster or use fess storage. It is a code-refining process, which reexamines the implementation phase of algorithm development.

Tests for computational complexity amount to an experimental analysis of the complexity of an algorithm or an experimental comparison of two or more algorithms, which solve the same problem.

Problem Analysis

Ecommerce car repair system is a computerized, online solution to the various problems faced by the client car maintaince and customer wishing to outsource their software.

development work to a Provider at an economical cost, thus achieving high performance accuracy, reliability and high speed of data retrieval.

In this system, there is a registration process each for the car Owner car and Go to our destination after registration. The site verifies the Provider after his registration and if satisfied, assigns him a user name and password

Problem #1: Cybersecurity Issues

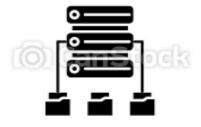
Cyberattacks can compromise the security of your eCommerce car repair website by infecting it with viruses and, what's even worse, they may compromise the security of your registered customers' data.

Hackers can potentially gain access to this confidential data, including credit carddetails. This scenario is one of the greatest issues to overcome in the eCommerce car repairand it is certainly one of the biggest nightmares of every eCommerce car repair owner.

The solution:

- Manage your own servers- Make sure your Car repair website is hosted a standalone server dedicated only to you. Sharing the same space on one server with multiple other sites is risky; if some of those websites get hacked, the malware files may infect the entire server including your database server.
- Make regular data backups- Creating a backup of your entire database and all your files is essential in the Car repair business. You can't go wrong with the frequency of doing this, although the general rule of thumbsis the bigger the website, the more often the backup should be performed. At Digital Silk, we run daily backups of all the websites we maintain

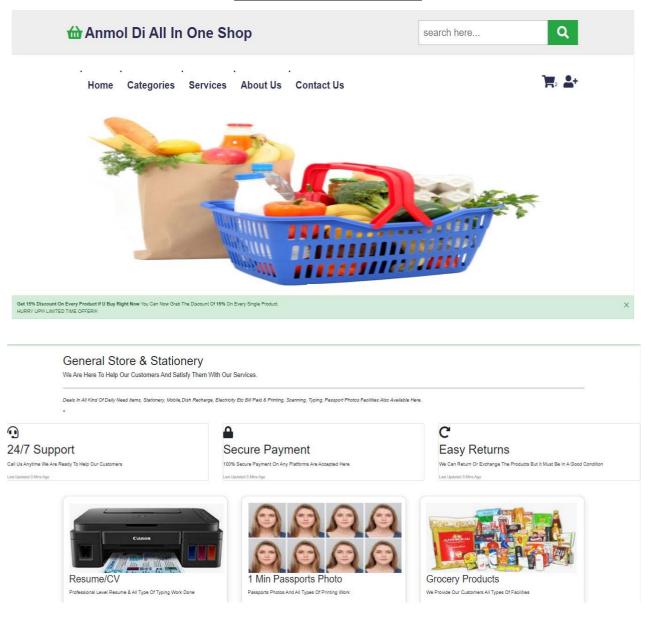
Nightmare scenario. My entire business went down the drain with one mistake by my web host. It wasn't even my fault, but I had to start my business from scratch because of that one mistake. I'm not alone either: 40% of small to medium businesses don't back up their data.

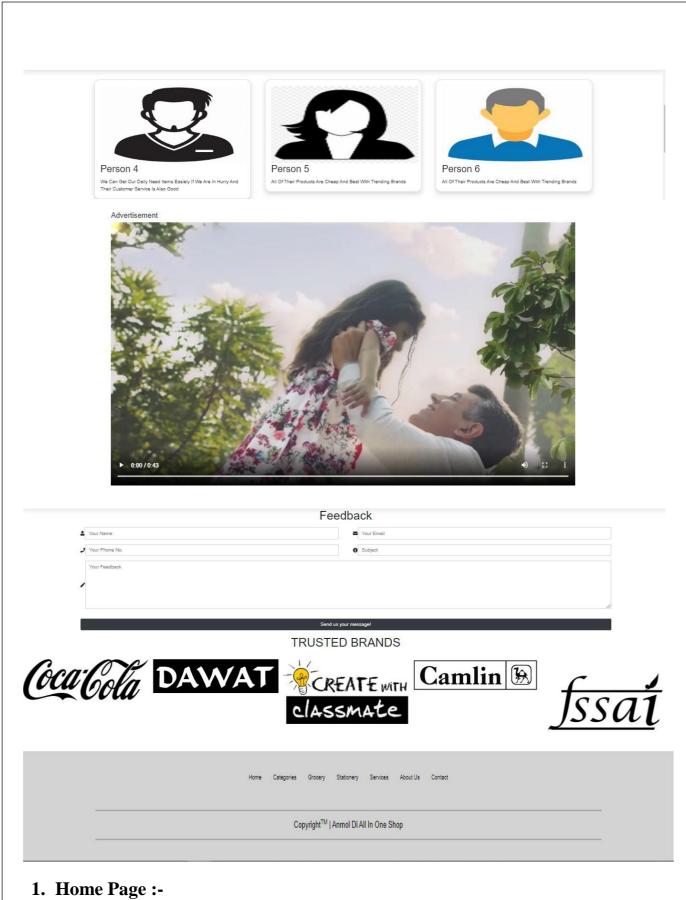


D CanStockPhoto.com - csp57813089

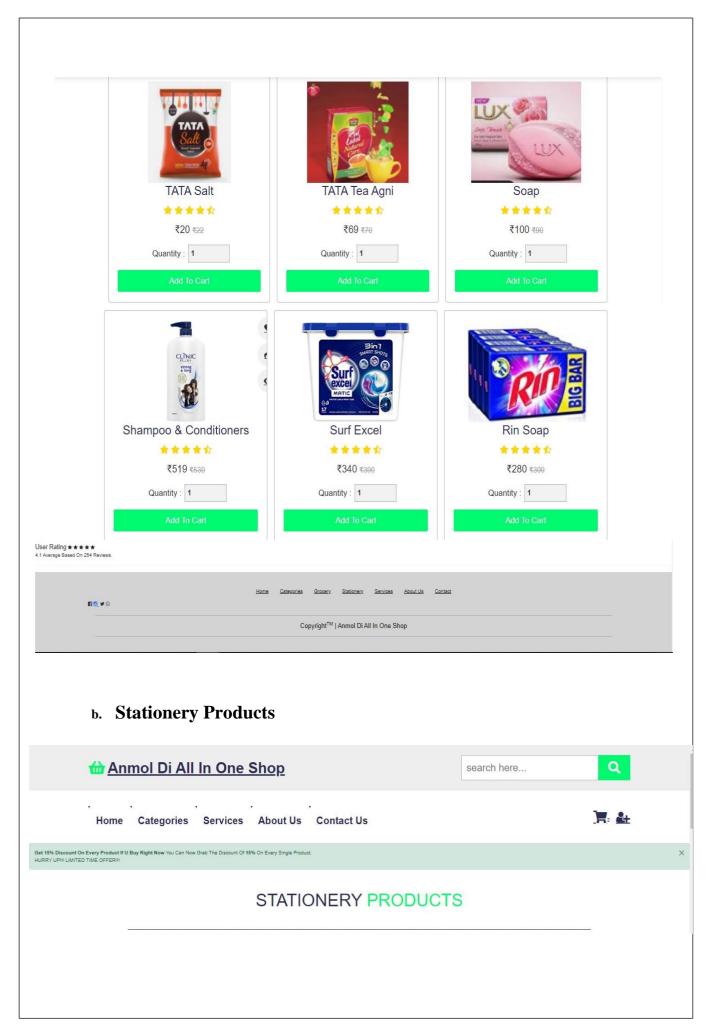
- <u>Install security and safety components</u>- These are speciall designed to prevent hack attacks. There is a great online market of security for different systems and platforms that include firewalls, twofactor authentications and more.
- <u>Update your Car repair website platform regularly-</u> Whatever platform or your Car repair website uses, make sure you update it regularly with official patches, plugins and other software developed by its creators. Their teams work actively on identifying current threats and create solutions to stop them in their tracks.

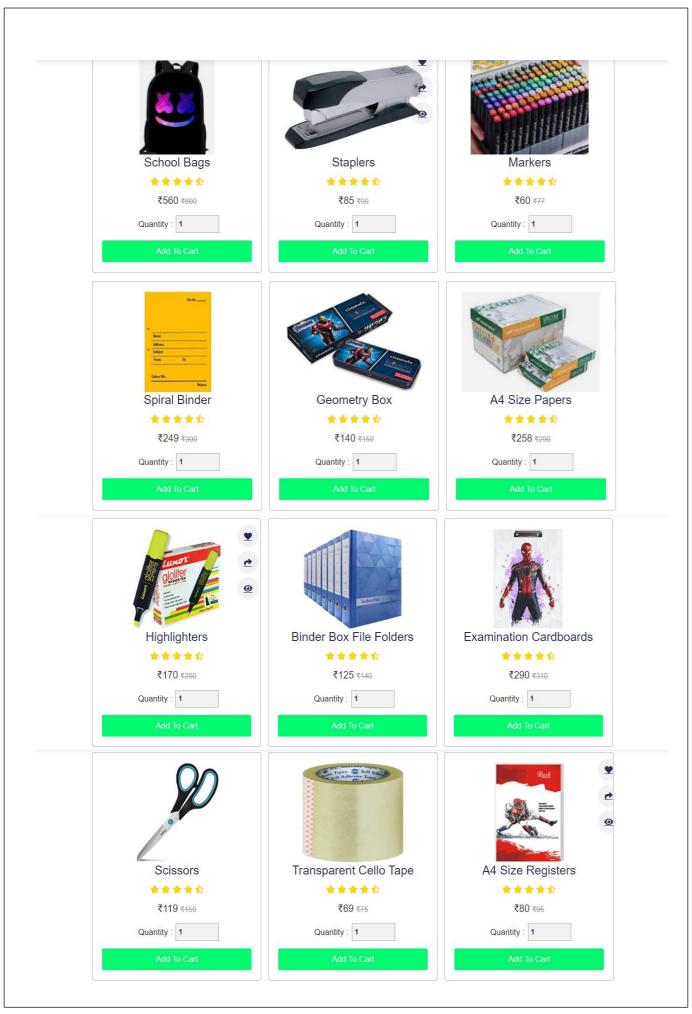
Final Output of Project



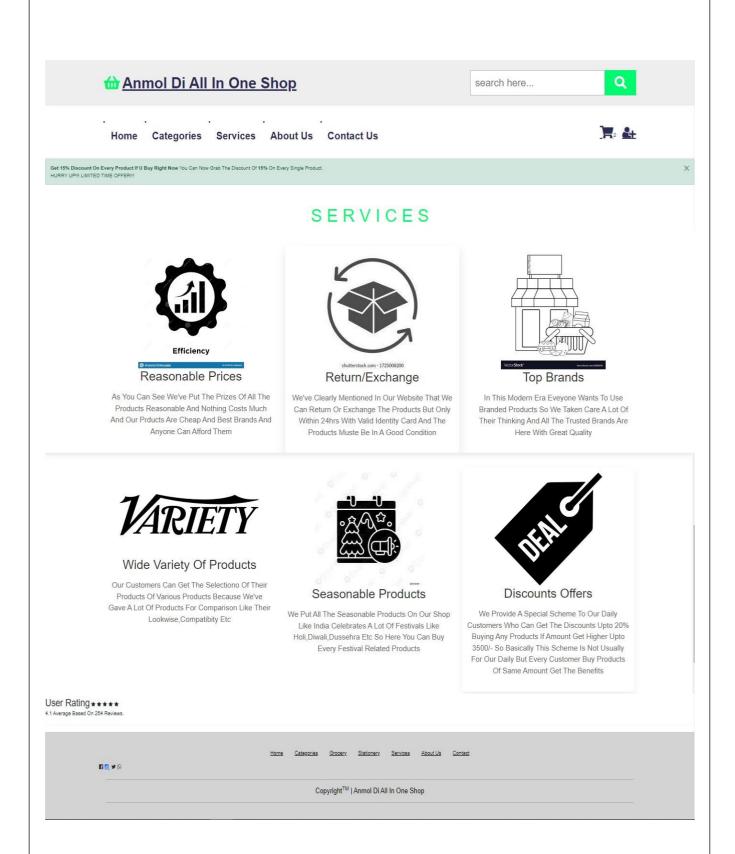


2. Category_Section:a. Grocery Products manual Di All In One Shop search here... F2 2+ Home Categories Services About Us Contact Us Get 15% Discount On Every Product if U Buy Right Now You Can Now Grab The Discount Of 15% On Every Single Product. HURRY UPIN LIMITED TIME OFFER!!! **GROCERY PRODUCTS** SUPER SAVER PACK Toastea Rusk Whole Wheat Brown Bread **Biscuits** 女女女女女 **** **** ₹36 ₹45 ₹95 ₹90 ₹180 ₹195 Quantity: 1 Quantity: 1 Quantity: 1 Wheat Flour Fortune Refined Soyabean Basmati Rice Oil 食食食食食 黄黄黄黄食 黄黄黄黄黄 ₹360 ₹390 ₹120 ₹135 ₹950 ₹1000 Quantity: 1 Quantity: 1 Quantity: 1

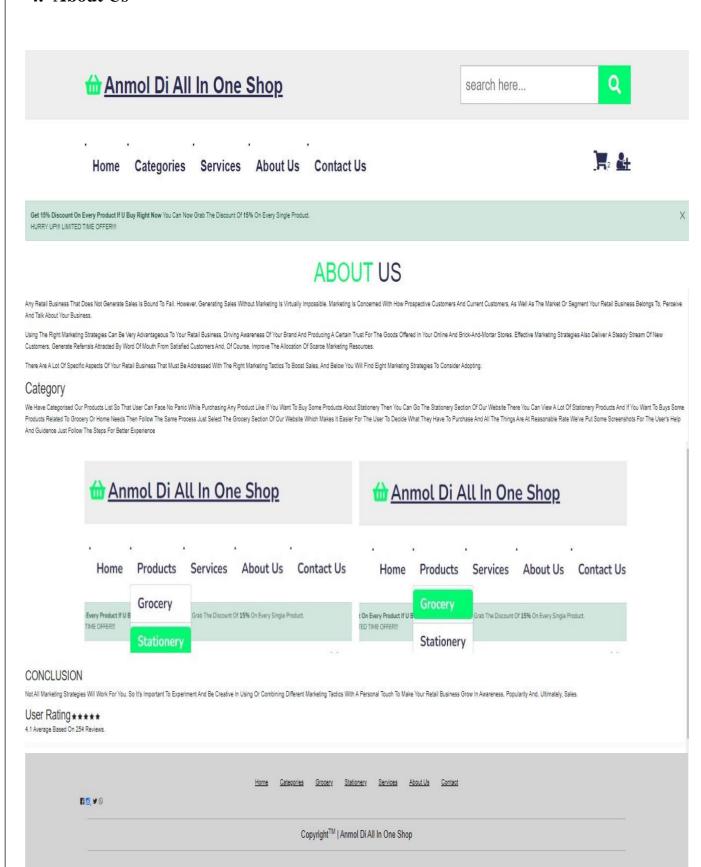




3. Services



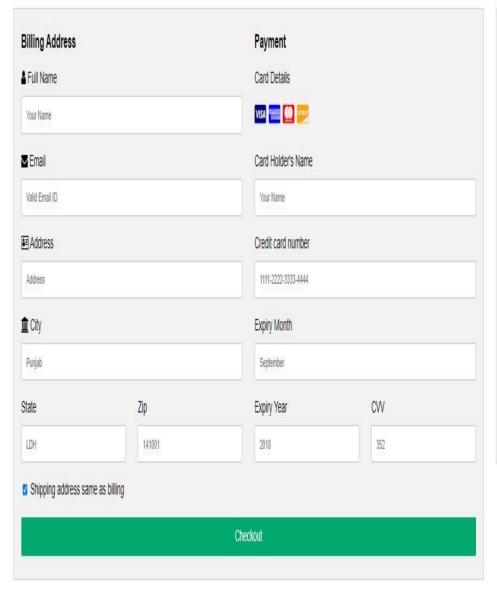
4. About Us



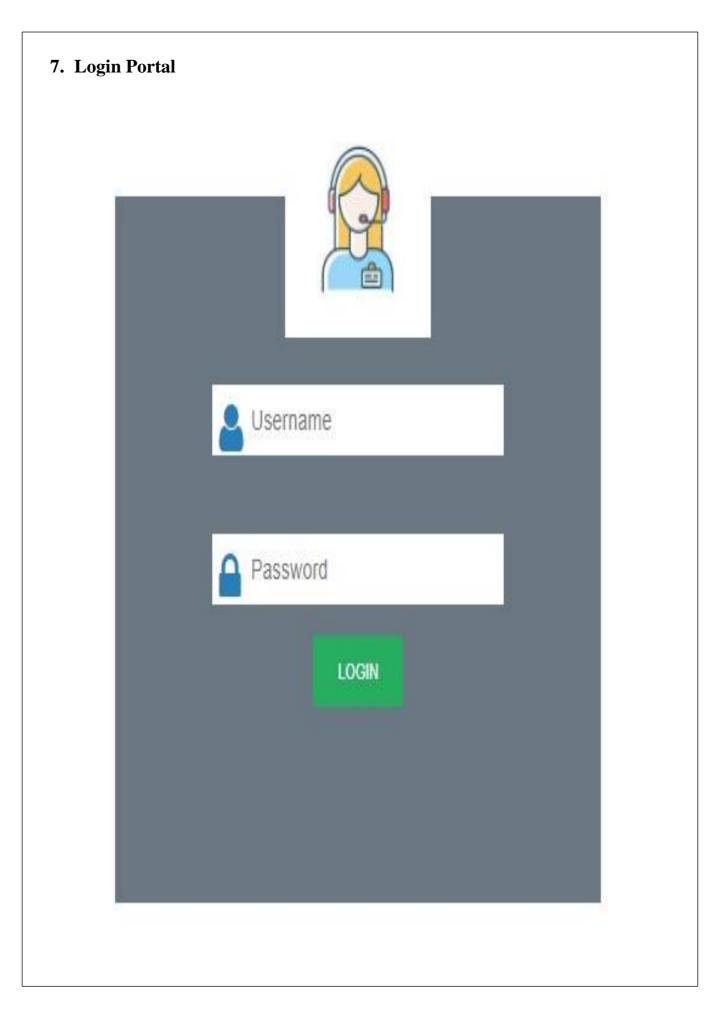
5. Contact Us **Anmol Di All In One Shop** search here... 1 2 et Home Categories Services About Us Contact Us Get 15% Discount On Every Product If U Buy Right Now You Can Now Grab The Discount Of 15% On Every Single Product. HURRY UPII LIMITED TIME OFFER!!! **IMPORTANT CONTACTS** LOCATION Bhuri wala Gurudwara Sahib BHURIWALA GURUDWARA, New Tagore Nagar, Haibowal Kalan, Ludhiana, Punjab 141001 4.4 ***** 196 reviews Feedback User Rating **** Home Categories Grocery Stationery Services About Us Contact CopyrightTM | Anmol Di All In One Shop

6. Cart Section

Enter here your Cart Details







Bibliography

https://www.w3schools.com/

https://www.bootstarp.com//

 $\underline{https://www.unsplash.com/s/photos/}$