

KHARIDI Shopping Cart Implementation using PHP LARAVEL

Shah Jenika A¹, Shah Nisarg M², Prof. Ajaykumar T. Shah³

Department of Computer Engineering

^{1,2} Alpha College Of Engineering And Technology

³HOD, Alpha College Of Engineering And Technology

Abstract- KHARIDI is an online shopping cart with all the latest features collected from all the latest websites. KHARIDI Project is implemented on PHP LARAVEL which is the most popular framework of PHP. KHARIDI is basically a S2C (Seller to Customer) Domain. KHARIDI is also based on emerging languages and technologies like AI for Customers Recommendation Algorithm. With the website itself, KHARIDI has an Android Application for the delivery man to take signature of the recipient after receiving the product so no forges can be done by customer side. KHARIDI is also available with various Payment Portals for the benefit of customer. Customer loyalty program, SSL Implementation, Refund Management, Marketing Campaigns is also implemented in KHARIDI.

Keywords- Cart, Customer, E-Commerce, Shopping, Seller

developers. Frameworks permit the organization of said code into a logical architecture, thus facilitating its maintainability and expandability. To achieve this, modern PHP frameworks follow the Model-View-Controller (MVC) architecture pattern.

KHARIDI is implemented on PHP LARAVEL which is the most trending framework of PHP. LARAVEL is a web application framework that tries to ease the development process by simplifying repetitive tasks used in most of today's web applications, including but not limited to routing, authentication, caching and sessions. Since it manages to do all essential tasks ranging from web serving and database management right to HTML generation, LARAVEL is called a full stack framework. This vertically integrated web development environment is meant to offer an improved and smooth workflow for the developer.

I. INTRODUCTION

Online shopping is the process whereby customer directly buy goods, services etc. from a seller interactively in real-time without an intermediary service over the internet. Online shopping is the process of buying goods and service from merchants who sell on the Internet. Since the emergence of the World Wide Web, merchants have sought to sell their products to people who surf the Internet. Shoppers can visit web stores from the comfort of their homes and shop as they sit in front of the computer. Consumers buy a variety of items from online stores. In fact, people can purchase just about anything from companies that provide their products online. Books, clothing, household appliances, toys, hardware, software, and health insurance are just some of the hundreds of products consumers can buy from an online store.

The use of a robust framework is recommended when the security of the web application is an essential requirement. It even becomes a necessity when the developer lacks the necessary know-how to prevent security breaches from happening. Most of the modern frameworks have built-in security features that range from input sanitizing to automatic cookie encryption. Organized structure of the project as a whole clear and clean code is required when working in an organization or co-developing an application in a team of

II. LITERATURE REVIEW

Online shopping allows you to browse through endless possibilities, and even offers merchandise that's unavailable in stores. If you're searching for a niche product that may not be distributed locally, you're sure to find what you're looking for on the internet. What's even more useful is the ability to compare items, similar or not, online. You can search through multiple stores at the same time, comparing material quality, sizes and pricing simultaneously.

Many people choose to conduct shopping online because of the convenience. For example, when a person shops at a brick-and-mortar store, he/she has to drive to the store, find a parking place, and walk throughout the store until he/she locates the products she needs. After finding the items he/she wants to purchase, he/she may often need to stand in long lines at the cash register. Despite the convenience of online shopping, not everyone chooses to purchase items and services online. Some people like the idea of physically going to a store and experiencing the shopping process. They like to touch the merchandise, try on clothing, and be around other people. Online shopping doesn't permit shoppers to touch products or have any social interaction. It also doesn't allow them to take the merchandise home the same day they buy it.

Online shopping tries to enhance access to care and improve the continuity and efficiency of services. Depending on the specific setting and locale, case managers are responsible for a variety of tasks, ranging from linking clients to services to actually providing intensive shopping and delivery services themselves.

According to the study there is an indefinite growth in online shopping so the shopping websites are most trending these days and using a framework like LARAVEL in KHARIDI will attract all the customers it can. Here are some statistics of online shopping growth in India,

III. SYSTEM ANALYSIS

The main purpose of a business site is to promote company's products, services or events on the Internet. There are two main aspects to discuss. First, there are websites that don't directly sell anything but their objective is to create "buzz" or awareness. An example would be, let's say an event - a trance music performance taking place next month. The purpose of the site is to generate interest so the people will attend the show. This kind of website might contain recorded presentations from previous shows, images with the performers, more details on the performance, etc...

This is basically the main reason behind the existence of any business website. Selling products and services is the most common objective. You have to provide full and comprehensive information on what you sell, allowing prospective customers to easily order from your site. The information must refer to:

- Features of the product or service
- Payment methods
- Return policies
- Warranties
- Shipping options
- Product or service F.A.Q.

If you sell directly from your website, you must consider additional security issues (example: SSL encrypted connections - https), and to address them in an adequate manner for a safe and pleasant user experience.

Due to its world-wide nature, the Internet is a flexible structure allowing users to choose from thousands of similar products they are just one click away. What actually make the difference between similar online businesses are the price and the customer support they provide. Top companies usually have outstanding customer services and assistance 24 hours a day, 7

days a week, and 365 days a year. Not only the customer service is important to provide support to actual customers but it can generate sales while communicating with prospective clients, answering their questions and offering all the necessary information they need. By offering your clients the possibility to solve their problems in an easy way, you increase loyalty of actual customers and build a solid base of prospective customers - so placing a new order is just a matter of time.

Almost all big company websites have a section featuring pertinent corporate information for potential investors. The information in this section usually refers to: corporate background, company officials, different articles and editorials written about the company along with related images as well as contact information and links to personal profiles of company's representatives charged with management, customer care, advertising, etc...

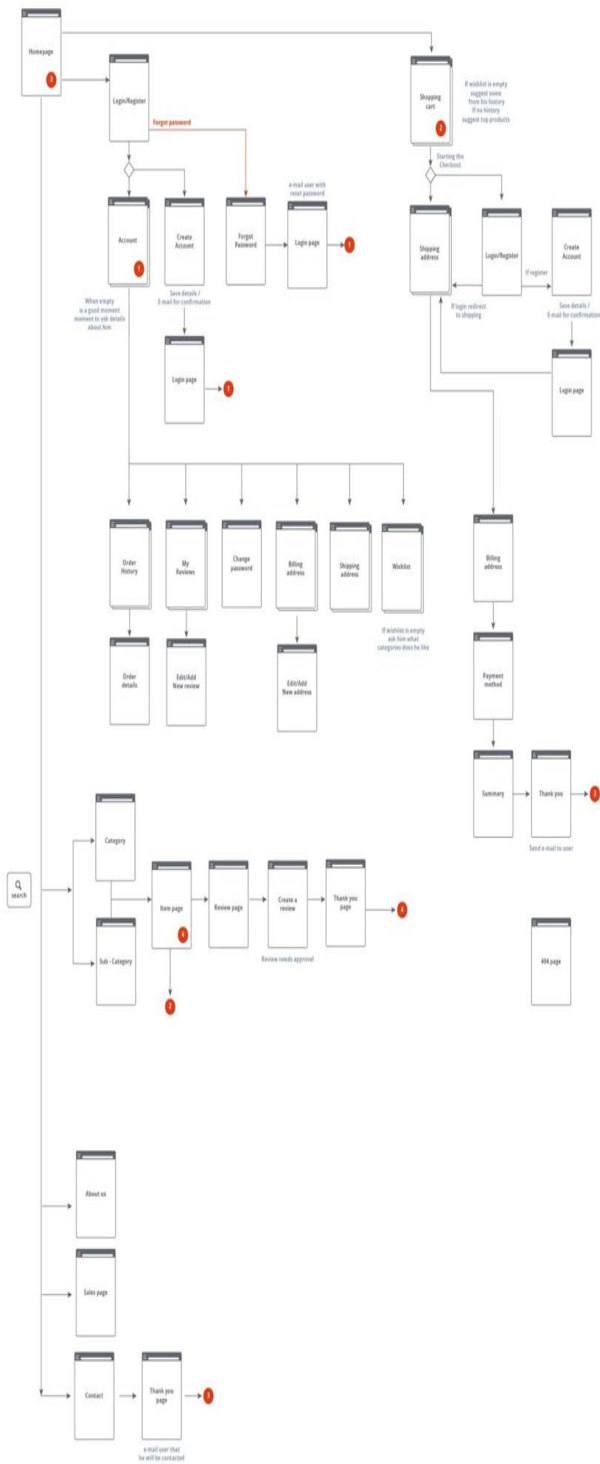
Establishing brand awareness or company identity is an ongoing process with the purpose of branding products with memorable names, eye-catching logos and maybe a slogan. In order to establish brand identity, your website must address these elements in a unitary manner. The product logo must reflect the design of your website in terms of graphics, colors, font types and sizes (example: Coca Cola website). The slogan must be unique, original and appealing so the customers easily remember it. All these elements contribute to establishing a strong brand identity.

Brand awareness is important for both online and offline advertising, so all offline promotional items like banners, posters and leaflets must follow the same line as their online counterparts.

IV. METHODOLOGY

User class and characteristics can be divided as follows:-

- General Visitor can use the system to see the product their prices, quantity and various attribute available. General user cannot buy the products.
- Customers are using for viewing and buying the products. Customer can also write feedbacks for products and services.
- Administrators can add, edit& delete products and provide services to the customer. Administrator can see the daily profit/loss; can also see the feedback given by the customer. Administrators also manage user profile and check reports.



V. FEATURES AND REQUIREMENTS

FUNCTIONAL REQUIREMENTS:-

- Keeping records of admission of customers.
- Keeping the records of products.
- Keeping the daily profit/loss.

- Storing the feedback given by the customer.
- Keeping details about the product it is delivered or not. Etc.
- Storing the items selected by the customer in the temporary storage.

NON-FUNCTIONAL REQUIREMENTS:-

- Secure access of confidential data (customer’s details). 24 X 7 availability.
- Better component design to get better performance at peak time.
- Flexible service based architecture will be highly desirable for future extension Nonfunctional requirements define system properties and constraints It arise through user needs, because of budget constraints or organizational policies, or due to the external factors such as safety regulations, privacy registration and so on.

FEATURES:-

- Secure registration and profile management facilities for Customers.
- Browsing through the e-Mall to see the items that are there in each category of products like Apparel, Kitchen accessories, Bath accessories, Food items etc.
- Creating a Shopping cart so that customer can Shop N number of items and checkout finally with the entire shopping cart
- Customers should be able to mail the Shop about the items they would like to see in the Shop
- Secured mechanism for checking out from the Shop (Credit card verification mechanism).Updates to customers about the Recent Items in the Shop.
- Uploading Most Purchased Items in each category of products in the Shop like Apparel, Kitchen accessories, Bath accessories, Food items etc.

VI. CONCLUSION

Technology has made significant progress over the years to provide consumers a better online shopping experience and will continue to do so for years to come. With the rapid growth of products and brands, people have speculated that online shopping will overtake in-store shopping. While this has been the case in some areas, there is still demand for brick and mortar stores in market areas where the consumer feels more comfortable seeing and touching the product being bought. However, the availability of online shopping has produced a more educated consumer that can shop around with relative

ease without having to spend a large amount of time. In exchange, online shopping has opened up doors to many small retailers that would never be in business if they had to incur the high cost of owning a brick and mortar store. At the end, it has been a win-win situation for both consumer and sellers.

Shopping Cart System is the Simple shopping Solution. It's a full-featured website and shopping cart system that bends over backwards to give you the flexibility you need to run your online store. The basic concept of the website is to allow the customer to shop virtually using the Internet and allow customers to buy the items and articles of their desire from the store. The information pertaining to the products are stores on an RDBMS at the server side (store). The Server process the customers and the items are shipped to the address submitted by them. The details of the items are brought forward from the database for the customer view based on the selection through the menu and the database of all the products are updated at the end of each transaction.

After examining different PHP frameworks and comparing their abilities at handling an MVC architecture pattern I came up with the ideal choice for a PHP MVC framework, which is LARAVEL. At first, learning a new framework might seem an overwhelming task, but it was it was not the case with LARAVEL, thanks to its clear and concise documentation, and its developers that make a lively active community.

ACKNOWLEDGMENT

“Defeat is not when you fall down; it is when you refuse to get up”. We faced many difficulties during our project to ensure, right from the requirement gathering to implementation. There were times when the goal looked beyond reach but all difficulties were accepted as challenge.

Greater the challenges were the effort to overcome it. It has been rightly said that we are build on shoulders of others. For every things we have achieved the credit goes to all those who really helped us in completing this project successfully.

We would like to thank my Project Leader Prof. Ajaykumar T. Shah for providing a vision about the system. We have been greatly benefited from their regular critical reviews and inspiration throughout my work.

It is our earnest endeavour to express sincere thanks to the Internal Guide Prof. Ajaykumar T. Shah and faculty members for their kind co-operation, help and delighted support. Finally, we wish to thank our parents and friends who

directly or indirectly helped us in completion of this project. I privileged to experience a sustained enthusiastic and involved interest from his side.

It was only due to their support, motivation and encouragement that could steer through the project on an honest course to splendor of success.

REFERENCES

BOOKS REFERENCES:-

- **Software Engineering A Practitioner’s Approach**, by Roger S. Pressman of *Mc GRAW HILL INTERNATIONAL EDITION, Singapore, 2010*
- **Fundamentals of Software Engineering** by *Rajib Mall* of *EASTER ECONOMY EDITION, Third Edition.*
- **MongoDB Atlas: the database as a service for MongoDB.**
- **Laravel Design Patterns and Best Practices**

WEB REFERENCES:-

- **Data Flow Diagram**
(http://en.wikipedia.org/wiki/Data_flow_diagram)
- **Testing Methods**
(http://www.tutorialspoint.com/software_testing/testing_methods.htm)
- **E-commerce website**
(<https://www.opencart.com/>)
(<https://www.flipkart.com/>)