## MULTI-VENDOR ECOMMERCE WEBSITE

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**ABSTRACT**
*Multi vendor marketplace allow the vendors sell their products by setting up an exclusive store front. The merchants can oversee co-ordinations, stock, item increments, and so on at their own end. The proprietor of the commercial center can acquire a commission on the offer of each item or by the other income age models. Online e-commerce sites are becoming more. Popular these days and generally meant for online shopping. Every person now-a-days is likely to buy products online as there are more discounts, reviews, ratings of the products. Huge number of alternatives are retrieved for the single user feature input set for a user interested product leading to information overload. This large amount of information will confuse and stop the consumer at some point of purchase. Moreover if the customer is likely to buy the same product with less price, he needs to visit as many sites for the best product. This prompts draw the client's significant time and exertion. In this paper we separate the information from some online business sites by web rejecting devices. We consider the price, rating, reviews, shipping and cash on delivery basic features from the extraction. Then collect the data from n domains to a single domain apply normalization. Then based on the attributes and features we calculate weight to each product and stored in a sorted order. Based on the user input the top-k products are displayed. Therefore the information overload is reduced and the cross comparison is shown in the display.*

*Keywords: Multi-Vendor, Cross Browser, Ecommerce, Websites, Payment Gateway.*

## I. INTRODUCTION
In this project all the sellers register themselves with web system. Dealers can transfer there item available to be purchased. Sellers provide all the details about that product Just confirmed merchants can sell there items. Customer can choose the product according to his choice and can proceed for the payment. All the methods used for payment are secure. Admin can see the products uploaded by the seller and can assign a suitable percentage of commission to the seller.

### a. Multi-Vendor
A Multi-vendor ecommerce website assist to sell prod- ucts directly to customers and can assist to earn profit by inviting different vendors to sell their products on website. It has been seen that people mostly search for a website where they can get different products under one roof. This increases the demand for a multi-vendor shopping cart system which helps a customer to access multiple vendor at a time. The opportunity of analyzing the pricing related to different products of different vendors will helps a multi vendor store to shine up in the ecommerce market easily.

### b. Cross browser
In web computing, cross browser is term use when a website can run on any browser without any error Such sites can be create utilizing any web advances. Such site should be responsive. Responsive website composition is getting more significant as the measure of versatile traffic currently represents the greater part of absolute web traffic Responsive website composition (RWD) is a way to deal with web designaimed at making destinations to give an ideal survey and collaboration experience, simple perusing and route with at least resizing, panning, and looking across a wide scope of gadgets (from personal computer screens to cell phones). A site designed with RWD adapts the layout to the viewing environment by using fluid, proportion-based grids, flexible images and CSS3 media queries.

### c. E-Commerce Website
Electronic commerce or ecommerce is a term for any type of business, or on the other hand business exchange that includes the exchange of data across the Internet. It covers a scope of various sorts of organizations, from shopper based retail destinations, through closeout or music locales, to business trades exchanging products and enterprises between companies. Online business permits customers to electronically trade products and enterprises without any boundaries of time or distance. Electronic trade has extended quickly in the course of recent years and is anticipated to proceed going on like this, or even quicken. Electronic exchange have been done in type of EDI (Electronic Data Exchange). EDI required dedicated link between supplier

and customer. Ecommerce platform enables businesses to meet their customer's demands for providing a seamless shopping experience across all chan- nels, and provides the flexibility also, flexibility expected to stay aware of the speed of business, decrease operational expenses, increment efficiencies and wipe out the issues of overseeing equipment and programming.

### d. Payment gateway
An installment entryway is an online business appli- cation specialist organization that approves charge card installments for e-organizations, online retailers, blocks and clicks, or customary blocks and cement. A payment gateway facilitates the transfer of information between a payment portal (such as a website, mobile phone or interactive voice response service) and the Front End Processor or acquiring bank. The installment door may permit exchange information to be sent straightforwardly from the client's program to the passage, bypassing the shipper's frameworks. This decreases the dealer's Payment Card Industry Data Security Standard(PCI DSS) consis- tence commitments without diverting the client away from the site.

## II. LITERATURE REVIEWS/COMPARATIVE STUDY
Multi vendor marketplace allow the vendors sell their products by setting up an exclusive store front. The dealers can oversee co-ordinations, stock, item increases, and so on at their own end. The proprietor of the commercial center can acquire a commission on the offer of each item or by the other income age models. A growing number of firms in various industries, such as banking, education, commerce, and tourism, etc. have improved their administrations by both consolidating innovations into their administration conveyance measure. Integration of technology in services is becoming very common; however, very little academic research has been conducted to examine its influence. My hole project working around WordPress + Woo wordpress mainly use by Doken and Woo is mainly use by product Vendors(developed by the Woo commerce).You can register in this website in two ways you can register as a customer and another as a seller. In this website, you can also buy products and sell them easily.

## III. FEASIBILITY ANALYSIS
The prime focus of the feasibility is evaluating the practicality of the proposed system keeping in mind a number of factors. The following factors are taken into account before deciding in favour of the new system.
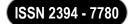
**Monetary Feasibility -** creating framework should be legitimized by cost and advantage. Models to guarantee that exertion is focused on undertaking, which will give best, return at the soonest. One of the components, which influence the improvement of another framework, is the expense it would require. Coming up next are a portion of the significant monetary inquiries posed during primer examination:

- The costs direct a full framework examination.

- The expense of the equipment and programming.

- The advantages as diminished expenses or less exor- bitant mistakes.

Since the framework is created as a feature of undertaking work, there is no manual expense to spend for the proposed framework. Likewise all the assets are as of now accessible, it give a sign of the framework is financially feasible for advancement.

**Specialized Feasibility -** The framework should be assessed from the specialized perspective first. evaluation of this plausibility should be founded on a framework plan of the framework prerequisite in the details of information, yield, projects and methodology. Having recognized a layout framework, the examination should proceed to propose the kind of hardware, required strategy building up the framework, of running the framework whenever it has been planned. Specialized issues raised during the examination are: The undertaking ought to be grown to such an extent that the vital capacities and execution are accomplished inside the requirements. The task is created inside most recent innovation. Through the innovation may get old after some timeframe, because of the way that never form of same programming underpins more established adaptations, the framework may in any case be utilized. So there are negligible imperatives engaged with this venture.

**Operatational Feasibility -** This incorporates the accompanying inquiries: Is there adequate help for the clients? Will the proposed framework cause hurt? The venture would be advantageous in light of the fact that it fulfills the destinations when created and introduced. All conduct perspectives are considered cautiously and presume that the task is typically attainable.

## IV. MODULES

### The propose web system have three Modules. They are as follow:

*a.* **Customer**

Customer is one who wants to buy products . Customer can register themselves by providing their details and list of products for which they are searching product . Website automatically fetch all the products that matches with customer requirement. Customer can comment on reviews of other customer.

*b.* **Vendors**

Vendor is one who wants to sell product. Vendor can register themselves by providing details with all product provided by them. Company authentication can be done after verifying their bank details, registration documents, payment details. With the help of this we are able to verify seller. After this authentication seller can get regis- tered with website by selecting packages and go through payment procedure. After all this processes the company marked with verify seller.

*c.* **Implementation**

To execute this framework we will utilize PHP5 as coding language. It presents the Standard PHP Library (SPL), which gives various readymade classes and interfaces. In PHP 5 all Extensible Markup Language (XML) uphold is given by the libxml2 XML tool compartment. By utilizing Java Script (JS) in PHP5 we can incorporate Newsletter membership, online media presence, news and occasions, search box and so on A few bulletins are made as lucrative endeavors and sold straightforwardly to endorsers. Sending pamphlets to clients and possibilities is a typical promoting technique, which can have advantages and disadvantages. Online Media presence will help in free publicizing, when they begin working for your site, it will before long be relentless. Individuals will perceive site once offers, likes and tweets begin to increment. Web-based media will assist site with getting more traffic and that will help site go up the positions.

**Case I: If I am a customer and I want to buy product** In this case I will select "I AM CUSTOMER". Subsequent to tapping on client button. This will redirect me to register. I will be register with this website. I will give my data. At that point I will get confirmation email from site. After authorization I will be able to see all the products. I will search for products according to my requirements. Then website will be ask me to add area name. If we check out then it ask for billing details which are as follows:

- First name

- Last name

- Country

- Street address

- Pin code

- City

**Case II: In this case I am seller**

Company need to register me with this website. In this case I will select "I am seller" from three options. On sign up form I will put following company's details

- First name

- Last name

- Email

- Phone number

- Product detail

- Create password

**In authentication process they will check my**
- Aadhar card

- Verify email id

- Verify phone number

- Verify address

**The Ultimate Guide to Managing a Thriving Multi- Vendor Store**
- Why a Multi-Vendor Store?

- Challenges of a Multi-Vendor Store

- Components of a Multi-Vendor Store

- Managing Inventory

- Charging Seller Fees

- Managing Orders

- Shipping Orders

- Paying Vendors

- Sales Reports

- Branding the Marketplace Choosing an Online Store Platform

## V. CONCLUSION
We'll begin with motivations to make a multi-seller online store. Multi-dealer stores offer an entire space of possible results single trader stores can't match. With a multi-seller store, you can make a site like E-inlet where anybody can sell anything or a specialty multi merchant site zeroed in on a particular item class like workmanship or gadgets. The possibilities are practically wearisome. By welcoming various traders, stores can offer things they can't offer themselves. Various sellers can likewise help increment traffic to the store and decrease store the exec- utives time. Moreover, as the head chief, you don't have to keep a stock. You can go about as a mediator for providers rather being a provider yourself. You can likewise bring in cash from charging merchants an expense for selling on your site. This alternative opens up another wellspring of income for your business. There are additionally an abundance of advantages for dealers. Merchants don't need to experience the pressure of opening another store. They can likewise exploit existing site traffic to improve perceivability. Selling items on a multi-seller webpage implies the majority of the advantages of having an online store without the overhead problem. We turned out a portion of the explanations behind building a multi-selle1r3) http://www.ibm.com/developerworks/websphere/techjournal/0904$am$ store. Presently we'll get into the stuff to assemble an. effective one. On the off chance that you have experience dealing with a solitary merchant store, you may think the change to a multi-seller store will be simple. Try not to think little of the distinction between these two sorts of stores, however. There are a few essential contrasts to running a store with numerous sellers. Here are the significant ones: More than one seller

**Implementation and Description of Project Modules**
A multi seller commercial center is an internet business site where clients can discover an assortment of items from an assortment of stores upheld by this commer- cial center. There are two significant ways for financial specialists to sell their item on the web. It is either through a different online store or by means of a multi merchant commercial center. Further on in the article, we will examine what sort of selling stages are best for the acknowledgment of your business needs and how they contrast.

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