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## MEASUREMENT BASED PRICING FOR WOOCOMMERCE

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### Abstract:

E-Commerce is an activity which is related to commerce that is based on network and information technology. It allows product owners to sell their products through website, where online users are able to preview the products, and also allowed to provide feedback on products after purchase. It is a vast business and getting bigger every day. In this work, we use technologies to develop a website, with high-end servers. Having websites like snap-deal, flip-kart as base concepts, a product based website is developed with some add-on features to provide customization of products on their weight, volume and area. Consumer can modify the products according to their needs, so that user can make payment only for the orders for what they have purchased. This work is also improvised with some features so that, this website can be used to sell products with customization on wholesale and retail products and also countable commodities.

**Keywords** - E-Commerce, Online shopping, Measurement Price, Plug-in.

### 1) INTRODUCTION

Online shopping is an electronic commerce form which allows customers to buy products or services directly from a seller through the Internet using a web application. Consumers find a product of their interest by visiting the website of the retailer directly or by searching among alternative vendors using a shopping search engine.

According to a study stated that online user population was about 69 million at 2016, 100 million at 2017 and by the year 2018, Indian e-retail is expected to be \$17.52 million.

Online shopping is a big and bigger e-market has its importance in world of Internet, where users are not allowed to purchase customized products because of unavailability customization options. Online stores typically enable users to use "search" features to find specific models, brands or items.

Online customers must have access to the Internet and a valid method of payment in order to complete a transaction, such as a credit card, a debit card, or a service such as Net Banking. For example physical products (e.g., smart phones or fabrics), the e-tailor sends the products to the customer through shipment; digital products, such as digital audio files of songs or software, sends the file to the customer over the Internet.

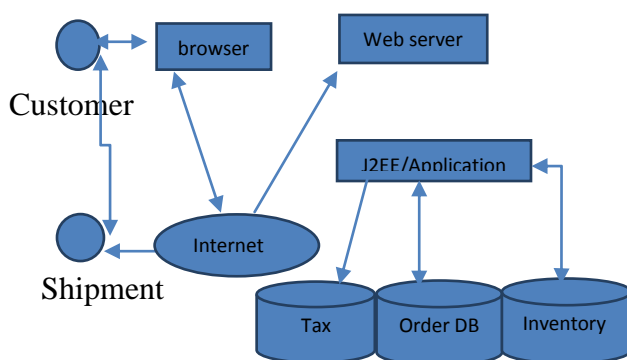
### 2) DESIGN OVERVIEW

We here propose a new concept in shopping websites, which can help customers to meet their needs. This proposal work is a software plug-in which is to be added in the website builder. The main purpose of this plug-in is to modify the products which are not able to be modified in existing system.

That means it allows you (users) to configure your products that are sold, based on their dimensions, weight and volume. This allows users to buy products easily which has a known measure value of product. Also information that is related to price can be added for user reference as the customized items differs in cost. Apart from customizing, offers are also given to customers based on their purchased made.

### 3) WORKING

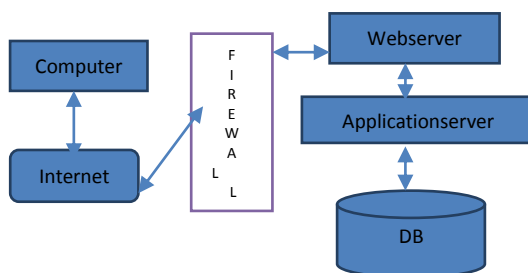
All rules that are related to this plug-in is in the hands of website administrator. An admin is given all privileges to add product, set price, rules and also to set product in the category of customizing or non-customizing. While adding product to the website, there will be a checkbox to enable/disable measurement pricing plug-in. If it is checked, then the product will be shown as customizable. For customizable product, price has to be set for single Sq.unit, from this price will be calculated according to the requirement of the user/customer.



Figure(1): Data Flow Diagram

If thecheckbox is not checked, then the product is non-customizable, so the price of the product will be set as whole value. No units will be considered for this non-customized product. From user perspective view, in a shopping website there exist some products. When user click on product, then single product page will be displayed. Product will be either customized or non-customized, where textbox will be available for products that can be modified. When user enters the values as per their need, then it'll be multiplied with its Sq.unit amount and total amount will be displayed.

### 4) ARCHITECTURE DIAGRAM



Figure(2): Architecture Diagram

## 5) SOFTWARE REQUIREMENTS:

### A) Web Application

are converted into HTML, CSS elements

Web-pages that are to be displayed in web browser like chrome, fire-fox, IE are developed using server-side language like Php, AJAX, Javascript. Pages like Admin page, User access page and also plugin development is done using these three languages. All graphical layouts

## 6) SYSTEM APPLICATION

### A) Wordpress

WordPress is a free and open-source content management system (CMS) based on PHP and MySQL. To function, WordPress has to be installed on a web server, which would either be part of an Internet hosting service or a network hosting its own right. A local computer may be used for learning purpose and single-user testing. Features include are a plug-in architecture and a template system.

### B) XAMPP

XAMPP stands for Cross-Platform (X), Apache (A), MariaDB (M), PHP (P) and Perl (P). XAMPP is a free and open source cross-platform webserver solution stack package developed by Apache Friends.

It contains everything needed to set up a web server – server application (Apache), database (MariaDB), and scripting language (PHP) – is included in an extractable file.

### B) NetBeans

NetBeans is an integrated development environment (IDE) for Java. It runs on Microsoft Windows, Mac OS, Linux and Solaris. It allows applications to be developed from a set of modular software components called modules. It has extension for other languages like PHP, C, C++ and HTML

## 6) RESULT AND DISCUSSION

And finally based on this project customer can purchase customized product. It is designed such a way the website owner can display both customize and non-customize products.

## 7) CONCLUSION

This proposed system is about building a website which can offer a chance for customer to edit their products as per their needs. Also it is designed in such a way that a website owner can display both customizing product and non-customizing product. This proposal will be useful to consumers and also bring in more business deals to owners. This plug-in can be utilized in any type of product selling website.

The basic idea of this proposed work is to allow the customers to buy their own customized product. In further upgrades, as a future enhancement a user can be given privilege to make selection whether to customize a product or not, with the help of radio buttons.

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