

DRUPAL CART

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ABSTRACT

The project entitled “**DRUPAL CART**” is a web based application which has been designed and developed by using **ASP.Net 2013** as front end tool and **Microsoft SQL SERVER 2012** as back end tool. This Drupal cart software mainly developed for ordering mobile phones through online. Drupal Cart is a software that eliminates the tedious and time-consuming tasks associated with the mobile store’s daily operations. The ease and flexibility of the special order system all types of retailers. The system designed with two major roles such as Administrator and Customer. Each role has been designed with multiple features. The administrator can add new products, update the existing stock items and track staff billing history. The customer have to register and get log into the system before view the product catalog. In the product catalog, the customer has been allowed to select the products and the selected products has been added to cart section. Once the cart section over, the customer has been redirected to payment gateway to s the pay through debit card or credit card. In addition, the customer can select the favorite products also for future reference. The future of Drupal is an email services to customer as well as to the administrator. The system can be further extended based on the needs of the management and the user friendliness of the software.

1.INTRODUCTION

The system entitled “**DRUPALCART**” is a web application software designed and developed by using ASP.Net 2013 as frontend tool and the back end as SQL server 2012. Drupal Cart helps customer to find different mobiles, their features, and new updates easily. It is designed such a way that one can view all the updates of the mobile from any place through online. The software will help in easy maintaining and updating products in the website for the administrator. Also quick and easy comparison of different products for the customers. Drupal Cart is aimed at developing a Web application that depicts online Shopping of mobiles and purchasing using Payment Gateway. Using this software, companies can improve the efficiency of their services. Online Shopping is one of the applications to improve the marketing of the company’s products. This web application involves all the features of the online shopping. It will be an easy to browse or use website which will showcase only mobile products. It will allow comparison of prices for a particular price range mobiles of different brands thereby allowing the customer to select one of them as per the features and reliability. This application will also deal with mobiles spare parts or accessories too for all brands. This project is aimed at developing a Web application that depicts online Shopping of mobiles and purchasing using Payment Gate way. Using this software, companies can improve the efficiency of their services. Online Shopping is one of the applications to improve the marketing of the company’s products. This web application involves all the features of the online shopping. This system will reduce the manual operation required to maintain all the records of booking information. And also generates the various reports for analysis. Main concept of the project is to enter transaction reports and to maintain customer records. Hence this software can be used in any mobile showroom to maintain their record easily. The product will be developed completely independent and dynamic website. Customer

must have an account to purchase the product. This application stores all the information in the database which can be retrieved whenever needed and all the validations are performed during the entry of the data by the user thus ensuring that the user can not enter any wrong data which could cause problem later.

2.LITERATURE REVIEW

In these section we are going to discuss about the papers that we have studied and will also mention the authors and their techniques or methods that they have used in their paper. “Sanga Son, Yongtae Shin” has published a paper on the topic "Design of Smart Shopping Application Using Barcode Scanning and Location Based Coupon Service" in 2015 8th International Conference on Grid and Distributed Computing. The authors has developed an android application which works with internet and uses location based service to provide location based coupons for mall. In this system user can made online payment. This paper aims to the online and offline shopping. The authors had developed an android application which can scan barcode of product and add it to the cart. After that the user has to pay the bill online only. The Authors also added location based coupon service for the customer. “O. Wenxing, W. Lei, J. Zhipeng, and Y. Changhong” has published a paper on the topic “Implementation of Smart Shopping System based on NFC Technology” in 2015 Seventh International Conference on Measuring Technology and Mechatronics Automation. This paper aims to the pre-ordering system of the product from various malls. The author also using NFC technology for online payment. “Adarsh Borkar, Madhura Ansingkar, Monali Khobragade, Pooja Nashikkar, Arti Raut” has published a paper on the topic “Smart Shopping- An Android Based Shopping Application” in 2015 International Journal of Advanced Research in Computer Engineering & Technology. In this paper the author has dev eloped a system for malls. In this system every customer will have an UID and the mall should have a Wi-Fi enables services for the customer. The customer will connect to the shopping mall Wi-Fi then the offers of malls can be synchronised with user device. The user can made payment as users convenient. “Mr. Jayesh B Mahajan, Mr. Bhagwat Kakde,Mr. Anurag Rishishwar” has published a paper on the topic “Mall Shopping System Using NFC” in 2015 International Journal of Scientific and Research Publications. This paper is fully depend on NFC technology. In this paper the author have attached NFC tag to every product, so the customer just have to tap the product to the smartphone and the product will be added in shopping cart. “Eisaku Ohbuchi, Hiroshi Hanaizumi, Lim Ah Hock” has published a paper on the topic “Barcode Readers using the Camera Device in Mobile Phones” in 2011 International Conference on Cyberworlds. The author has developed an algorithm which can read a 1-diamentional Barcode. The EAN barcode is a simple code which has four width types for black and white bars, and these line directions are always located in parallel. This algorithm consists of the following phases – Pre-processing - The input image from the embedded camera is pre-processed in this phase to define the threshold of the boundary between black and white intensity level, and the color space of the captured image consists of the YUV components, so we picked the Y component for this image processing. – A black bar detection - The pre-processed image is scanned using a spiral searching method, which scans in aspiral from the center of the image, to find a black bar. –

Sampling - The line perpendicular to black bars is calculated using the detected black bar in the previous phase, and the bar patterns are sampled based on the calculated direction.

3.METHODOLOGY

The project entitled “REAL ESTATE MANAGEMENT SYSTEM” is done using asp.net front end and SQL server as back end.

The modules in this project are:

1. Registration and Login
2. Product
3. Product catalog and Cart
4. Payment Form
5. Cart Summary

MODULES DESCRIPTION

Registration and Login

The registration module consists of User Signup. In the User Signup module, the user has to enter the details such as user name, address, phone number and Email id. Once the registration process completed, the user has to log into the system in their individual login page. Here the log on detail has been validated with the database for user login authentication.

Product

In the product creation page, the administrator can create brand wise products with display picture for each product. The administrator can add the existing stock of the products also.

Product Catalog and Cart

In the product catalog and cart details, the user can view the products, select the products, add to cart section and proceed to payment form.

Payment Form

In the payment form, the user has to pay the amount through their bank debit and credit card details. Once the payment has been received in the server side, an acknowledged mail has been sent to the user email id.

Cart Summary

1. Date wise Cart Sale
- 2.Product Wise Cart Sales
- 3.Customer Wise Cart Sales

4.DATA FLOW DIAGRAM

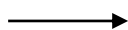
The data flow diagram (DFD) is a graphical tool used for expressing system requirements in a graphical form. The DFD also known as the “bubble chart” has the purpose of clarifying system requirements and identifying major transformations that will become programs in system

design. Thus DFD can be stated as the starting point of the design phase that functionally decomposes the requirements specifications down to the lowest level of detail. The DFD consists of series of bubbles joined by lines. The bubbles represent data transformations and the lines represent data flows in the system

Rules Used For Constructing a DFD

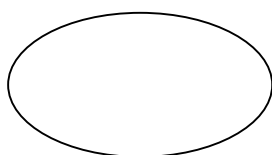
Process should be named and numbered for easy reference. Each name should be representative of the process. The direction of flow is from top to bottom and from left to right. That is data flow should be from source to destination. When a process is exploded into lower level details, they are numbered. The name of the data stores, sources and destinations are written in capital letters. Process and data flow names have the first letter of each word capitalized. The DFD is particularly designed to aid communication. If it contains dozens of process and data stores it gets too unwieldy. The rule of the thumb is to explode the DFD into a functional level. It is best to take each function separately and expand it to show the explosion in a single process. If a user wants to know what happens within a given process, then the detailed explosion of that process may be shown. A data flow diagram is a graphical representation or technique depicting information flow and transform that are applied as data moved from input to output. The DFD are partitioned into levels that represent increasing information flow and functional details. The processes, data store, data flow etc are described in Data Dictionary.

Data flow:



Data moves in a specific direction from an origin to destination

Process:



Procedure s people or devices that use or transform data

External entity:



This defines a source (originator) or destination of system data.

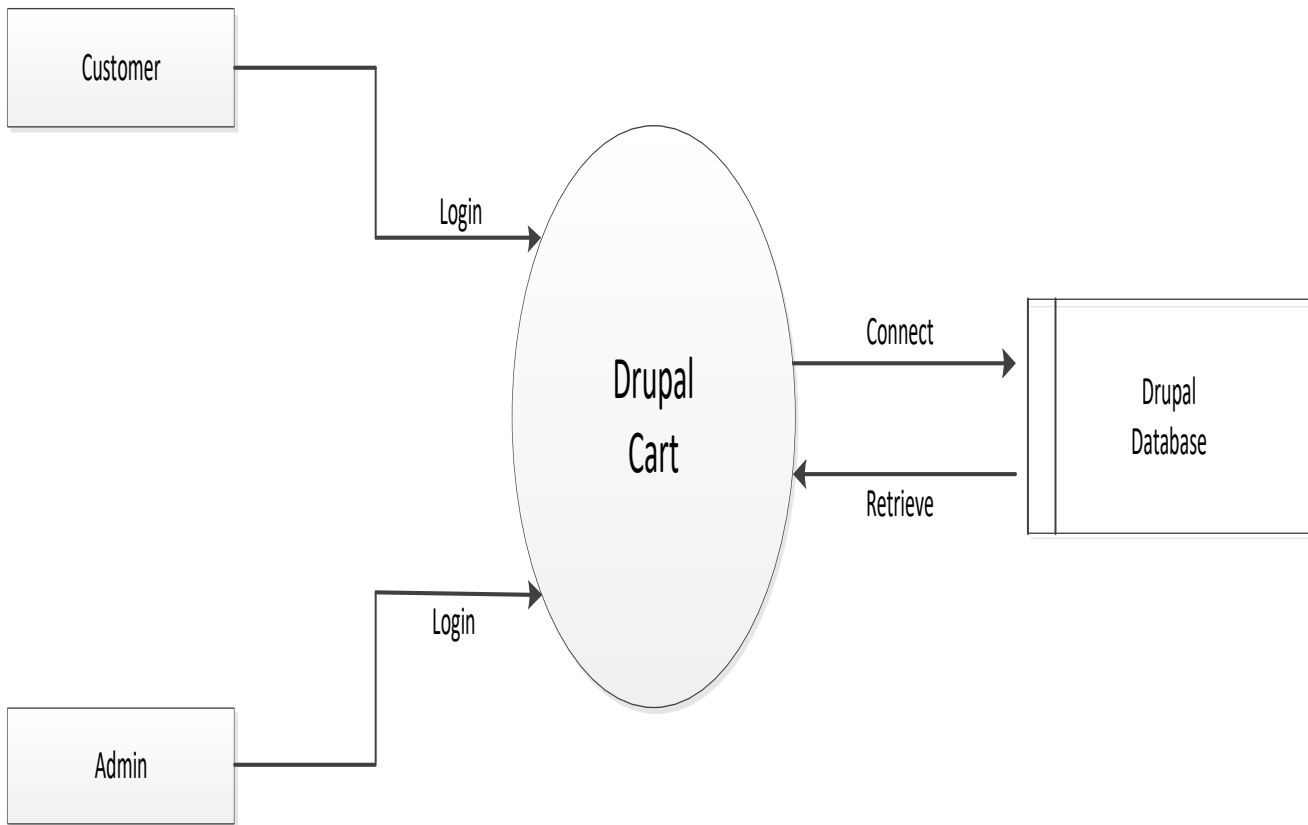
Data Store:



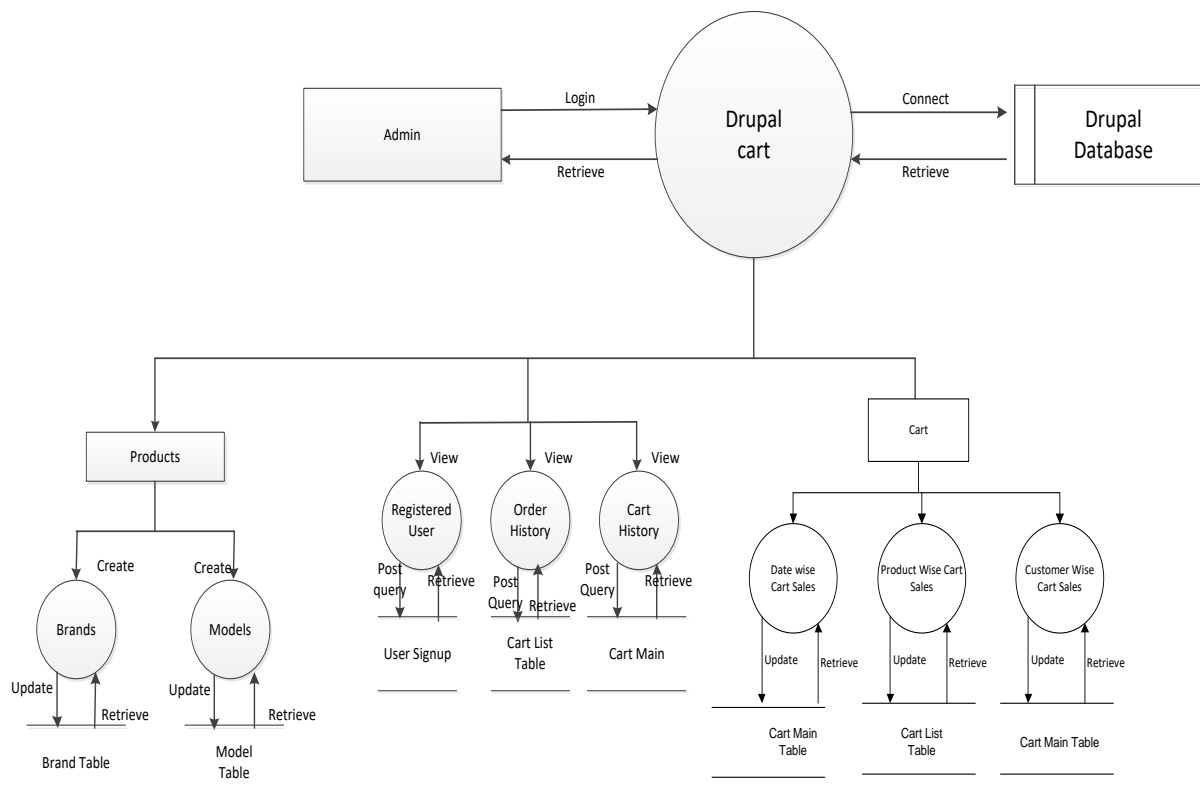
This indicates where data is stored in the system.

DATA FLOW DIAGRAM

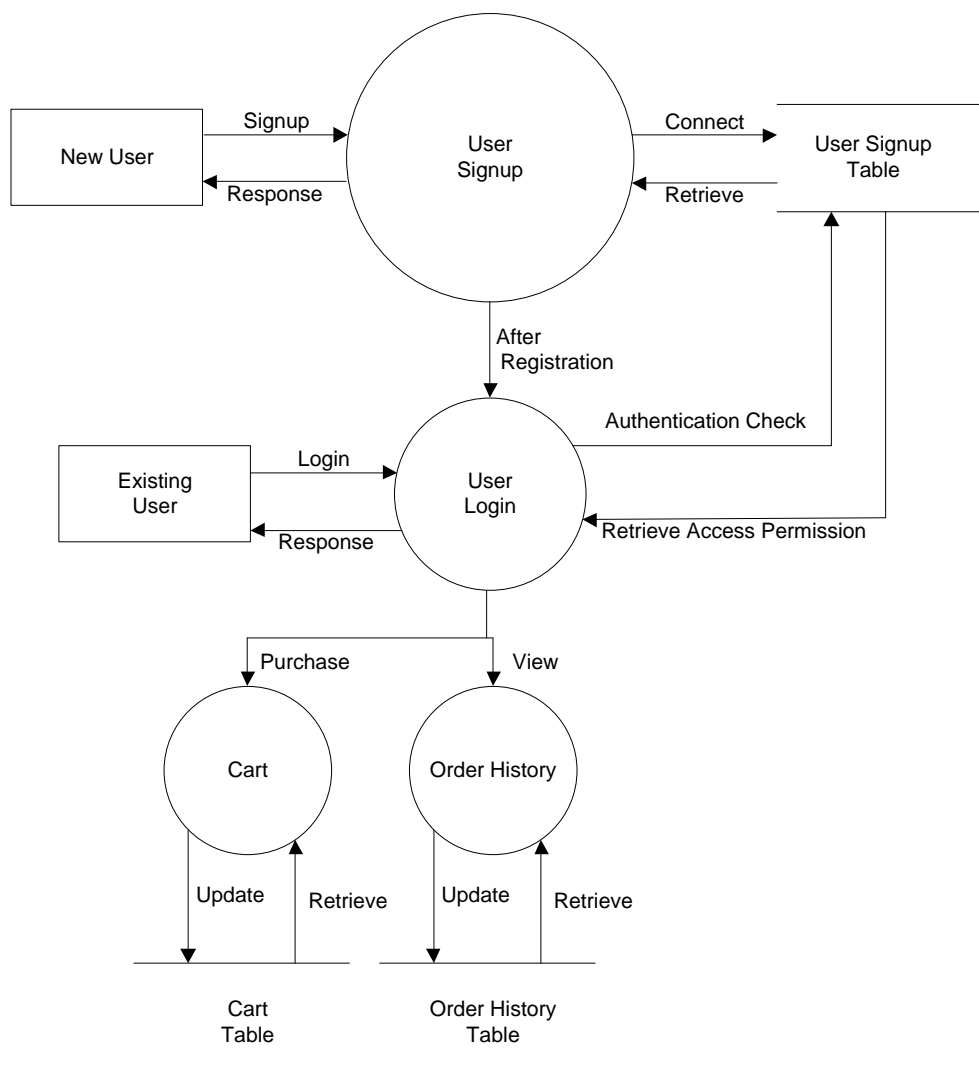
Level 0:



Level 1: Admin



Level 2 : Customer



5. FUTURE ENHANCEMENT

- On requirements we should be able to add new modules to the product, which may need the access of different databases, i.e. the product should support any up gradations, modifications or degradations of the modules at any point of time.
- On requirement we can able to add voice support in the future.
- On requirement we can able to include so many files
- This product can also be enhanced due to the rapid changing technology in the today's world.

6. CONCLUSION

The project entitled Drupal Cart enables customer to buy mobiles or accessories from anywhere through online. This application advertises some of the products for shopping. To buy products, customer has to create an account. Those who does not have an account, they can only view the available product. They can't buy it. Once the customer has created account, not only he can view the products, he can also add the product to the cart and also he can place an order to buy

those products. This application then generates bill for that particular customer. After the confirmation, the customer has to enter his credit card details to buy those products.

This software helps customer to find different mobiles, their features, and new updates easily. It is designed such a way that one can view all the updates of the mobile from any place through online. The software will help in easy maintaining and updating products in the website for the administrator. Also quick and easy comparison of different products for the customers. This system will reduce the manual operation required to maintain all the records of booking information. And also generates the various reports for analysis. Main concept of the project is to enter transaction reports and to maintain customer records. Hence this software can be used in any mobile showroom to maintain their record easily

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