INTRODUCTION TO PROJECT

In today's busy world, people don't have time for their personal needs. And the technology is so fast that anyone can do anything by just sitting in a room. The internet is the way that helps a person in all aspects. If someone wishes to buy and view things, he can buy online with the help of internet.
Today there are very least organizations which are manual. Everything is going to be computerized and online whether it is banking, advertising or shopping. We are trying to help people to make their life easier by proving online laptop shopping.

In this we have introduced many modules like admin module and customer module. The customer has to register for any enquiry related to laptops. The unregistered person can't access this application. The registered customer can view details of laptops and he can buy the laptop of his choice and need. He has to pay the price of laptop.

The admin module contains the access of admin on the application. The admin can change everything in the application. He has the ability to add, delete, update any information regarding the laptops.
The project's home page includes the registration link. The registered users can login to their account for their queries or buy new laptops. And the unregistered users have first to register. The registration can be done by following the sign up link which is below the sign in button.

MODULES

Login Module –In this module user can enter the application by providing username and password and start shopping.

Admin Module – Admin Can add, modify the latest models of laptops.

Join Module – In this module user can become a part of the site by providing some necessary information for example first name, last name, password, confirmation password, email and other details.

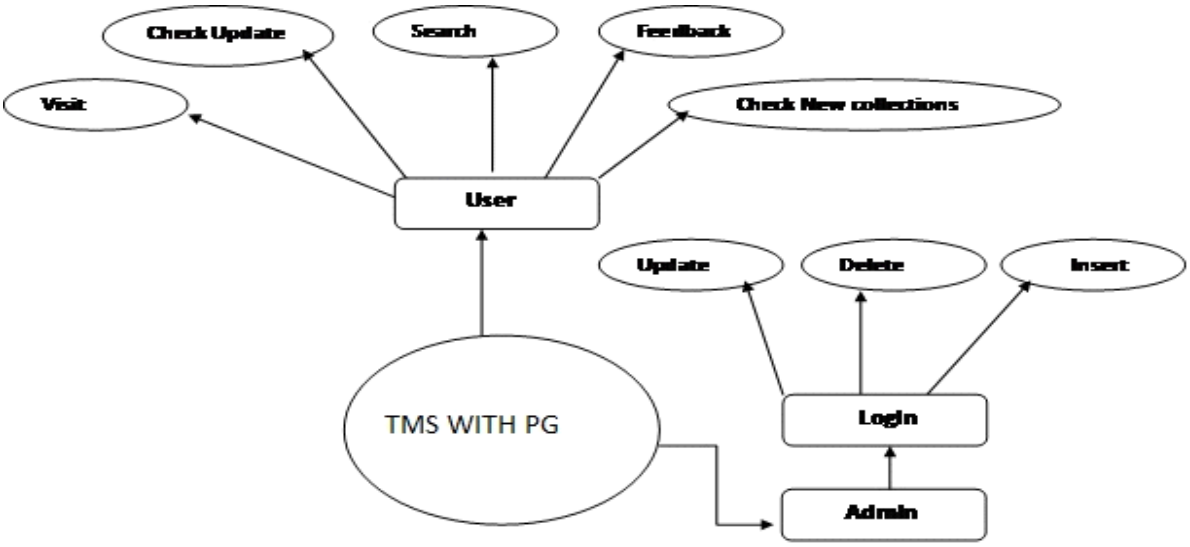
Shopping Module – The customer can view and buy latest models of laptops.

Administrator – Can add, modify and delete the laptops details.

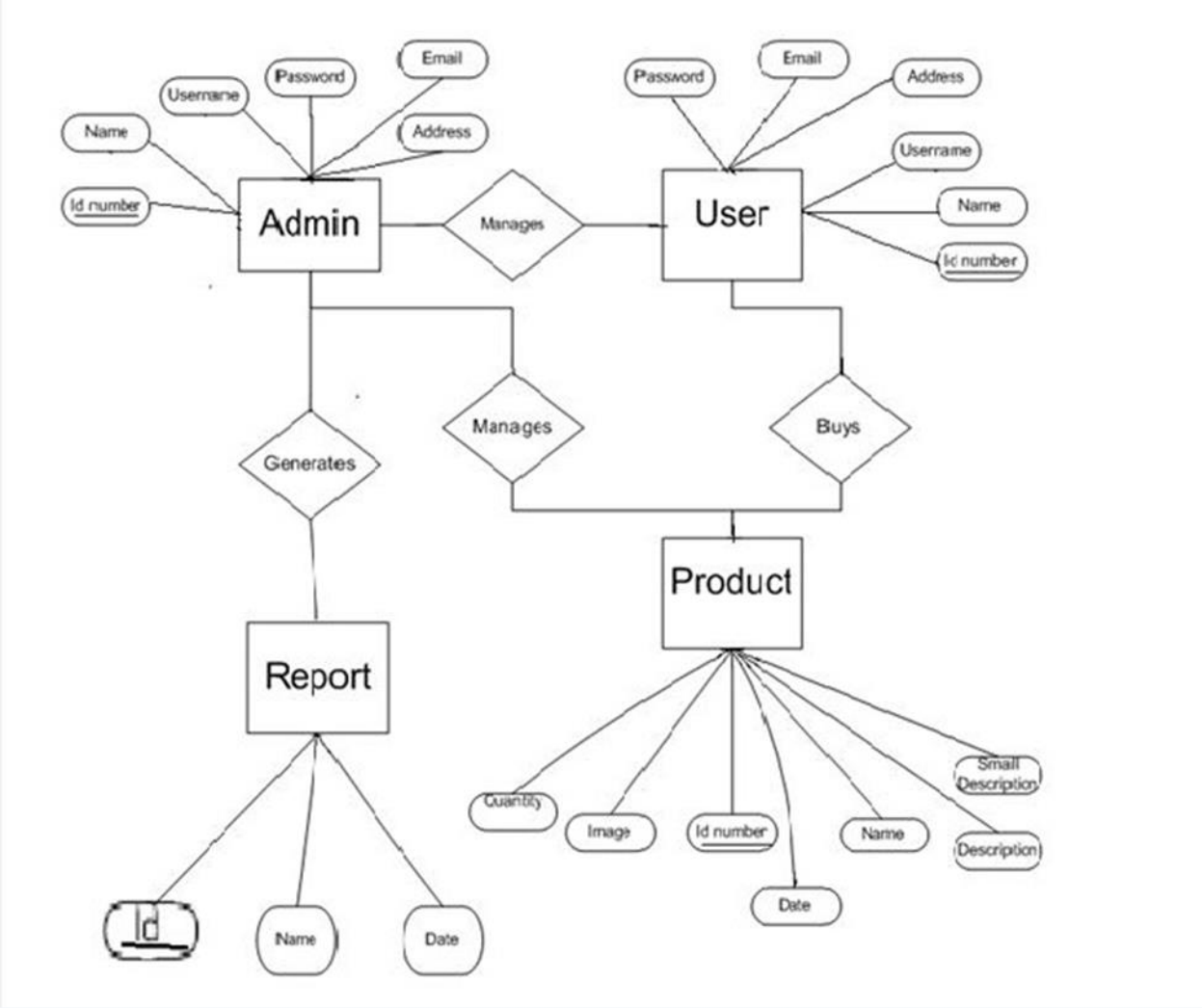
DATA FLOW DIAGRAM

Level 0 DFD:

Level 1 User and Admin DFD:



ER- Diagram



Working with ER Diagrams. ER Diagram is a visual representation of data that describes how data is related to each other. In ER Model, we disintegrate data into entities, attributes and setup relationships between entities, all this can be represented visually using the ER diagram.

Feasibility Study

Technical: The Online Shopping Via SMS: Computer Parts and Accessories is a new feature that we are proposing to the Armenia's Internet Café. Since we are offering that the computer parts and accessories of the Armenia's Internet Café will be online, they are required to have a PC (admin) with an Internet connection and a database system for the products and customer's information. Through the Internet, they will also be required to have a website with a domain name itself. The PC (admin) and the domain name alone, of course, require some sort of financial support. If those two requirements would be realized, then a new website is to be built with interface selling the computer parts and accessories that is now online. It provides an interface for the user (customer) registration and fills up all the information needed. The mobile phone number is also needed to be fills up. All of that data will then be going to the PC (admin). So if they will be visiting the site again, they would have just to log in and would not be registering anymore.

It's up to the user (customer) if he had selected an item. He would be clicking the interface with the "buy" button. Informing the admin that someone is willing to buy that item. By that, a transaction between the customer and the admin will begin. The user (customer) will have a down payment of 20%, since cash will be given upon the delivery of materials so that there will be no fraud between the customer and the admin would arise. Transaction will now go to the payment as well as the shipping process. The customer will have his money be deposited in the Armenia's bank account or through ML Kwarta Padala provided that the item selected is also delivered by the Armenia through LBC. If the destination or customer's address is near, maybe a person will be in charge for that matter. Through the transaction, the latter should be realized introducing now our new feature we offered, and that is the mobile phone. The update of the items selected and the transaction process as well, is through the use of mobile phone especially if the user (customer) is now not online. The admin can still communicate him via SMS.

If all of that would be realized, a benefit of the user (customer) would be met. As well as the benefit of the Armenia's Internet Café would be great since their production would increase and the high-technology we have, as of this moment had been used.

Therefore, our system is technically possible.

Financial: This system is very affordable for there's no materials needed. It only uses a computer with an Internet connection and you must have your own website for you to publish to the world the items purchased. To have a website, you must have a domain name first, and in that sense it is then very affordable. It is not even one-third of your income if you have it. Also the mobile phone as of this moment is also cheap but in that matter it's the customer's responsibility.

As I've mentioned earlier, the mobile phone is excluded for it will be the customer's asset. Also the payment for the Internet Connection would not be counted since Armenia is an Internet Café already. The payment matter is not also included for the Armenia has its own bank account. Then the delivery expense will just be counted if and only if the shipping destination is in the remote areas. Lastly, the supplies expense is counted since this will be used and serve a transaction's formality.

Our system offers less expenses of money.

Therefore, it is very affordable and the Armenia's Internet Café would have no way to disregard our proposal otherwise they would regret.

Organizational: Since the Armenia is an Internet Cafe, so there's no need to have persons to look over the products. All they will provide is the person who is responsible for the website to look over if anyone had gone to login and have their items selected and to look over the database for the updates of the products on hand and sold out. Even one or two persons will do. But of course there's also a person be responsible to deliver the items selected.

As of this present time, Armenia's Internet Cafe only has a manual way of counting their products. By that, it takes a longer time and a tiring day to have it all done. But with our new system, all the disadvantages of the latter will be vanished with the use of our new system. Since we will be using our high-technology, like the use of computer together with the power of Internet plus the mobile phone is a very great tandem that this proposed system that we had will then be possible.

Ethical: Our new system is very possible in technical matter, is very financially affordable, organizationally feasible and most especially ethically acceptable to everybody.

As we all know that as of now, there are so many websites that have an online shopping, but the new feature we offered is the use of mobile phone. The users (customer) will have an update for the items selected. Even if they are not accessing the website, still they have the way to get the information of the items they want.

Online shopping also offers a vast price and item selection. You can have a cheaper but durable material with your own taste and standards. Information and reviews as well convenience is possible with the use of online shopping.

Also the customers are fond of shopping directly through retailers. In the same way, a majority of consumers choose online shopping for faster and more efficient shopping experience.

Technology Used

PHP: is a server-side scripting language designed for web development but also used as a general-purpose programming language. It was originally created by Rasmus Lerdorf in 1994, the PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive acronym PHP: Hypertext Preprocessor PHP code may be embedded into HTML code, or it can be used in combination with various web template systems, web content management systems, and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in the web server or as a Common Gateway Interface (CGI) executable. The web server combines the results of the interpreted and executed PHP code, which may be any type of data, including images, with the generated web page. PHP code may also be executed with a command-line interface (CLI) and can be used to implement standalone graphical applications.

The standard PHP interpreter, powered by the Zend Engine, is free software released under the PHP License. PHP has been widely ported and can be deployed on most web servers on almost every operating system and platform, free of charge.

The PHP language evolved without a written formal specification or standard until 2014, leaving the canonical PHP interpreter as a de facto standard. Since 2014 work has gone on to create a formal PHP specification.

During the 2010s there have been increased efforts towards standardization and code sharing in PHP applications by projects such as PHP-FIG in the form of PSR-initiatives as well as Composer dependency manager and the Packages repository. PHP hosts a diverse array of web frameworks requiring framework-specific knowledge, with Laravel recently emerging as a popular option by incorporating ideas made popular from other competing non-PHP web frameworks, like Ruby on Rails.

MYSQL

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter,[8] and "SQL", the abbreviation for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation. For proprietary use, several paid editions are available, and offer additional functionality.

MySQL is a central component of the LAMP open-source web application software stack (and other "AMP" stacks). LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python". Applications that use the MySQL database include: TYPO3, MODx, Joomla, WordPress, Simple Machines Forum, phpBB, MyBB, and Drupal. MySQL is also used in many high-profile, large-scale websites, including Google.

Facilities required for proposed work

Hardware Equipment

I. Desktop Computer

ii. Laptop

iii. Ram (1 GB)

iv. Hard Disk (5 GB)

Software

I. Operating System (Windows, MAC, Linux)

ii. XAMMP Server

iii. Notepad++

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