E-COMMERCE WEB-BASED SYSTEM FOR UD. MULIA DIESEL

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Mulia Diesel is one of the agricultural business in Medan that sells many machines and spare parts. This shop sells the products by displaying the products in shelves and on the floor so that customers that come inside the shop can directly see the products.

With the goal to increase the productivity, effectiveness, and efficiency in this business, an E-commerce Web-Based System for this business is created. This web-based system will enable this business to grow more quickly and make customers more easier to make purchase.

This e-commerce web-based system has several features both give advantages to customers as well as the owner of this business. Customers can make transaction whenever they have their leisure. This means that there will be no time limitation for customers anymore. Customers no need to come to the shop only to get the product specifications, the images of the products, and the prices. For the owner of this business, sure the can expand the business by using the website to promote the products to all the non-region-limited netizens.

Kata Kunci : Agriculture Products, E-Commerce, Web-Based System

Introduction

In this era, we have reached to the information technology era where there are many technologies applied in our lives. Technology has made our lives easier and more comfortable. People can definitely get information faster than the previous era when the technology has not been innovated. In doing business, there will be many competitors. Creativity and uniqueness are two of the factors that people keep improving in order to survive. The people in the past were hard to expand their business. However, with the technology applied now, people can just easily promote their products or services. It is the Internet that connects people around the world to communicate one another in seconds. Talking about the Internet, website is the best place to browse everything that people need. People nowadays promote their products through the website. This way is very effective to expand the business. Even, the purchase now can be done online. People now can buy the products easily and whenever they want.

E-commerce has many benefits. The benefit e-commerce include cost savings, direct and quick interaction with the (potential) customer, competitive advantage through business intelligence, digital production sales and distribution, collaborative development with partners, new product development, direct sales, marketing and advertising, publicity,

customer service and enhanced customer relationship, and communication (Pour, 2006). Transaction by using E-commerce nowadays is increasing. This can be seen by the fact that the revenues of Amazon as one of the e-Commerce selling website rose by 27.8% in 2009, to $24.5 billion, and profits grew substantially as well. Clearly, there is growing adoption of online consumer purchases throughout the world's major economies.

Methods

Research is a diligent and systematic inquiry or investigation into a subject in order to discover or revise facts, theories, applications, etc. Methodology is the system of methods followed by particular discipline. Thus, research methodology is one of the ways to conduct a data collection process due to the project research. This research methodology lead the students to understand more about the step in identifying and elaborating the main problem, collecting data, analyzing the research, and conclude the result of research.
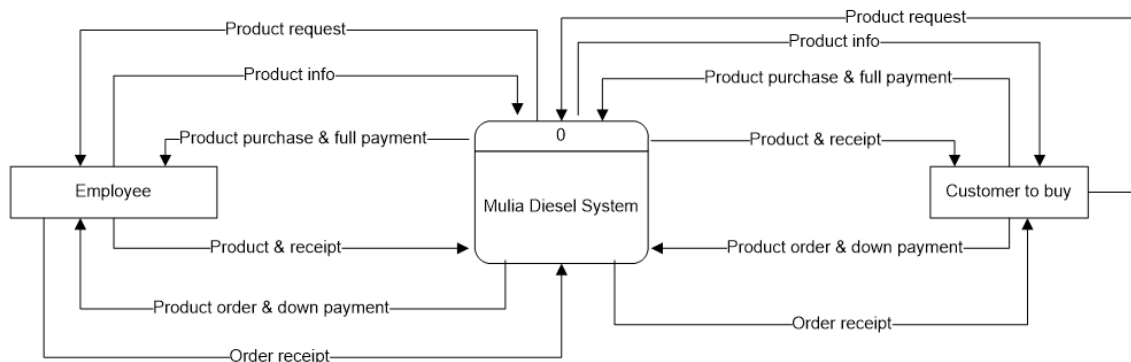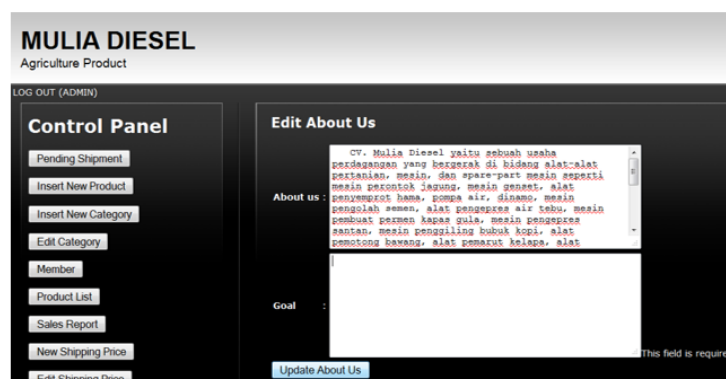

Gambar. 1. DFD
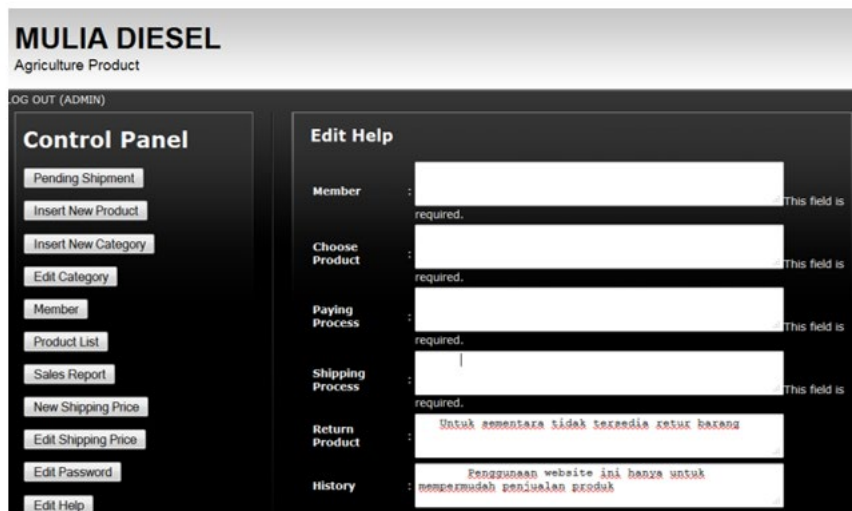
Results & Conclusion

Results

Mulia Diesel is an agricultural business that sells many agricultural machines and spare part such as the corn cutter machines, generators, candy cotton machine, coconut cutter, water pumps, and the like.

Gambar. 3. Login

Gambar 4 adalah halaman utama dimana user dapat memilih modul-modul seperti Dashboard, Penjualan, dan Profile.

Gambar. 4. Main Menu

Gambar 5 menujuk Layout penjualan Shoes & Care Medan yang terdiri dari detail penjualan, produk dan pembayaran.

Gambar. 5. Penjualan

Gambar 6 menunjukan laporan penjualan. Laporan penjualan dapat dikirimkan secara online melalui email maupun melalui chat.
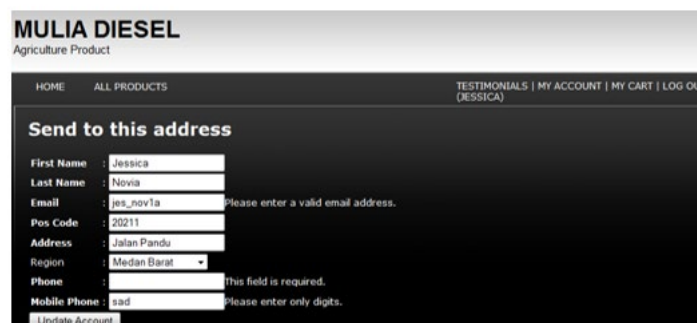
Gambar. 6. Laporan Penjualan

Discussion

Customers only need to connect to the Internet and go online to our website. There, customers will get the product description and price. Customers also can directly make purchase through the website.

Kesimpulan

These are the conclusions that the author can conclude from the e-commerce web-based system:

1. The customers can make purchase through the website directly. Customers need not to go to the shop anymore. They can make the purchase whenever they have free time without worrying the shop is closed and cannot make purchase.

2. Among the fierce competition with other shops, by providing website facility to the customers, sure customers will be more comfortable in using our facility. By doing this way, this business can gain more market.

3. Customers don't need to worry about how the products look like. They will be provided the photos of the products and the specification inside the website. They can directly order the machines from the website as long as they are registered.

Daftar Pustaka

Grannell, C., 2007. The Essential Guideline to CSS and HTML Web Design. 2nd ed. New York: Springer-Verlag New York, Inc.

Hoffer, J.A., George, J.F. & Valarich, J.S., 2005. Modern Systems Analysis and Desig. USA: Pearson Prentice Hall.

Holzner, S., 2007. PHP The Complete Reference. McGrawHill Professional.

John R Levine, Margaret Young, 2010. The Internet For Dummies. 12th ed. Indianapolis: John Wiley & Sons.

Mannino, M.V., 2007. Database Design, Application Development, & Administration. New York: McGraw-Hill International Edition.

Orgera, S., 2007. Web Browser Definition - What is Web Browser? [Online] Available at: http://browsers.about.com/od/howbrowserswork/a/whatisabrowser.htm [Accessed 3 November 2011].

Pour, K., 2006. Encyclopedia of E-Commerce, E-Goverment and Mobile Commerce. Hershey PA: IDEA GROUP REFERENCE.

Scheneider, G.P. & Evans, J., 2007. The Internet. 6th ed. Boston: Thomson Course Technology.

SmartDraw.com, 2010. Introduction to DFD. [Online] Available at: www.smartdraw.com/resources/tutorials/data-flow-diagrams.

Valade, J., 2007. PHP and MySQL for Dummies. 3rd ed. Wiley Publishing,Inc.