E-COMMERCE APPLICATION IN JAVA KOMUNIKA SOREANG

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ABSTRAK

JAVA Komunika Shop is a trading company that provides products of mobile phones. JAVA Komunika Shop that has a lot of customers both inside and outside of bandung city still apply the procedure of manual or costumer come directly to the store. And manual systems such as recording data and sales transaction. To solve the problem above, increase sales and market share to reach a more knowledgeable then JAVA Komunika shop want to use technology in marketing and sales strategy wich is E-Commerce.

E-commerce is one of the utilization of information technology in trade. E-commerceor Electronic commerce can be translated as a sale and purchase transactions made through electronic media.Using E-commerce is very effective because the system has taken over all operational activities for which this is done manually.

To build an E-commerce application, tools that are used to describe the system model is a diagram alir data (FlowMap), context diagrams, and Data Flow Diagram (DFD), and in the design the database using the data dictionary and Entity Relationship Diagram (ERD).

E-commrce application made, expected to become a promotion media, to help increase sales and decrease the operational costs for companies and make it easier in the process of booking and payment of a product for the consumers because it is done by on-line.

1. INTRODUCTION

1.1 Identification of Problems

How to build ecommerce services in JAVA Soreang Community.

1.2 Reader Reviews

Research object being studied is the Shops Soreang JAVA Community, which is located at Jl. Raya Soreang km 9 no.12-13 Bandung.

1.3 Objectives

The purpose of the writing of this Final Project is to build ecommerce services in JAVA Community Soreang Bandung

Objectives to be achieved from the development of e-commerce services JAVA Community are:

1. To facilitate the consumer in getting information about what mobile phones sold by the store "Java Community" without having to come to the store.
2. To increase flexibility so that customers can make transactions wherever he is.
3. To expand the market so that consumers from outside the city can also shop online.
4. To increase the efficiency due to the E-Commerce, "Java Community" can expand the network without the need for large capital.
5. To enhance consumer safety because it does not need to carry cash in large numbers.

1.4 Benefits

The benefits of making these applications include:

1. Consumers get more information faster.

2. Consumers can conduct transactions anywhere.

3. Media campaigns.

4. The level of crime against consumers decreases.

2. MODEL, ANALYSIS, DESIGN AND IMPLEMENTATION

2.1 Model

1. Data collection phase
a. A Literature Review.
b. Observation.
c. Interview.
2. Stage of software creation.
a. System / Information Engineering
b. Analisis
c. Design
d. Coding
e. Pengujian
f. Maintenance

2.2 E-Commerce

Electronic Commerce (Electronic Commerce), as part of electronic business (business conducted using electronic transmission), in general e-commerce can be defined as any form of trade or commercial transaction of goods or services (trade of goods and services) by using electronic media

2.3 PHP

created by Rasmus Lerdorf in 1994, initially was not to be distributed and used only on his personal homepage. In the year 1995 issued the first version that can be used commonly by the name leh personal home page tools. Written back in mid-1995 and was named as PHP/F1 version 2. F1 comes from Rasmus package which is the interpreter for html form data. In combination these results also added support for SQL. PHP/F1 continues to grow and many people began to contribute in its development.

2.4 Apache Webserver

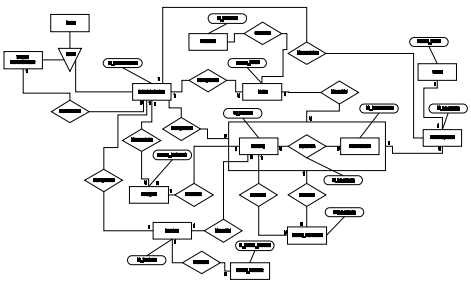
Web server is Internet server capable of serving the data transfer connections in HTTP protocol. Web server is the most important thing from the server on the Internet compared to other servers such as e-mail servers, ftp servers or news servers. This is because the web server has been designed to serve various types of data, from text to 3-dimensional graphics. This capability has led to various institutions such as universities and companies can receive as well as his presence and also use it as a tool in the internet.

2.5 MySQL Database

MySQL is a software management system SQL database (English language: a database management system) or DBMS multithreaded, multi-user, with about 6 million installations worldwide. MySQL AB makes MySQL available as free software under the GNU General Public License (GPL), but they are also sold under a commercial license for the cases where the intended use is incompatible with the GPL.

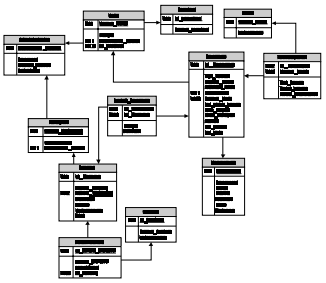
2.7 Desain

1. ERD (Entity Relationship Diagram)



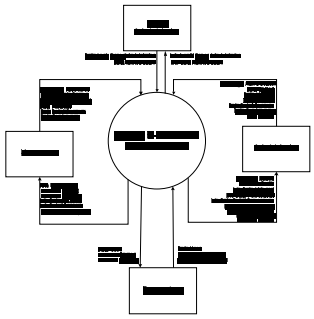
Picture 1. ERD (Entity Relationship Diagram)

2. Relation table



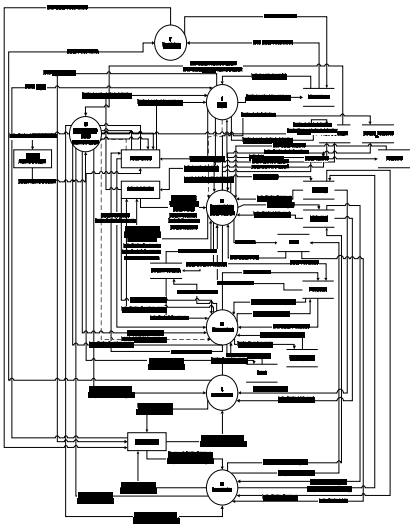
Picture 2. Relation table

3. Context Diagram



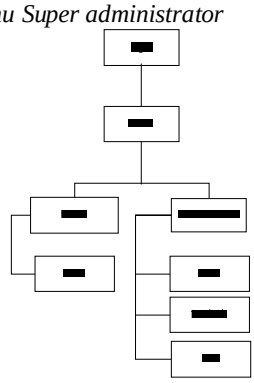
Picture 3. Context Diagram

4. DFD (Data Flow Diagram)



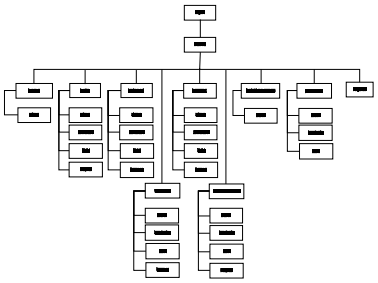
Picture 4. DFD level 1

5. Menu Super administrator



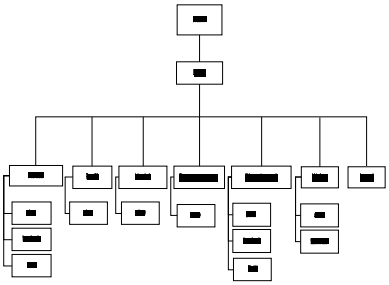
Picture 5. menu super administrator

6. Menu administrator



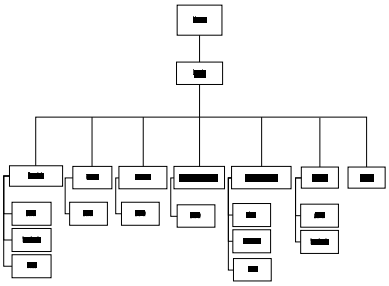
Picture 6. menu administrator

7. Menu consumer



Picture 7. menu consumer

8. Menu visitors



Picture 8. menu visitors

2.8 Implementation

1. Main Menu Display / Index



Picture 9. Main Menu

2. View menu ordering



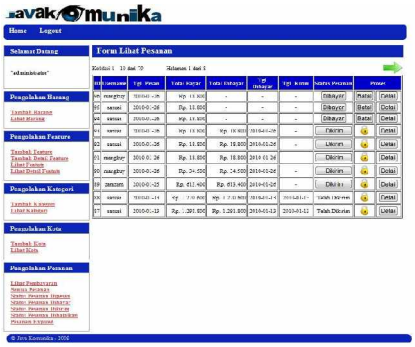
Picture 10. menu ordering

3. View Menu login administrator / super administrator



Picture 11. Menu login administrator / super administrator

4. View Menu Order



Picture 12. Menu Order

3. RESULTS AND DISCUSSION

3.1 E-Commerce Service

In online trading activities expanded the safety of both parties (consumers and traders)

4. CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusion

Based on research conducted by the authors of the analysis, design and implementation of e-commerce applications JAVA Community then some conclusions can be drawn as follows:

1. Applications are built to make it easy for customers to access product information and pricing quickly.

2. Applications can be accessed without restrictions of time and place for connecting with internet connection.

3. This application can provide a better image, a more simple process, new business partners, cycle time and shorter delivery, access to wider information and greater flexibility.

4.2 Suggestions

To further improve the performance of the application of e-commerce applications JAVA Community is the author proposes some suggestions that can be taken into consideration, namely:

1. Applications that require repairs made so that all the information that can be displayed in detail and in accordance with customer wishes.

2. Security spending in the transaction process is not maximized, so that should be developed in terms of security improvements.

5. REFERENCES

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