DEVELOPMENT APPLICATION

SALES TEXTBOOKS ONLINE IN TB. FADHIL

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ABSTRACT

TB. Fadhil is a bookstore, that sells textbooks for elementary, junior high schools and high schools. The mechanism sales are running on TB. Fadhil is consumers that will see and purchase the products offered must come directly to the TB. Fadhil. E-commerce is how to trade using the Internet as a means to make transactions. aktivitas transaksi bisnis dalam e-commerce yang dibangun merupakan aktivitas bisnis yang bergerak dibidang penjualan buku pelajaran di TB. Fadhil.

With e-commerce is expected to facilitate the consumers TB. Fadhil to promote the products offered, so that the public recognize TB. Fadhil. Facilitate sales tranctions online so it can be done anytime, and also safety. Simplify file processing and report processing.

Keyword : *E-Commerce, Online*

1. INTRODUCTION

1.1 Backgorund Problem

TB. Fadhil established in 1999, TB. Fadhil is a book store that sells text books forelementary, junior high schools and high schools. Mechanisms sales are running on TB. Fadhil that is consumers who will see and buy the products offered must come directly to the TB. Fadhil. Consumers who come to the TB. Fadhil can immediately ask for a book that sought to gruard the store by mentioning the title of the book, authors and book publishers are also to be searched , then the shopkeeper will see a list of books and stock books in the catalog book of TB. Fadhil, if the stock of books available so consumers can immediately make a payment at the cashier.

In marketing their products TB. Fadhil was still using a very common media campaign that is using the media catalogs and brochures. Catalog given to school that have became regulars TB. Fadhil, typically TB. Fadhil cooperate with the cooperative schools. Brochures distributed to consumers who come to the TB. Fadhil and the general public did not know about the presence of TB. Fadhil free.

Sales transactions in TB. Fadhil that is consumers who have obtained the desired product can then directly to the cashier and pay for the product in sccordance with the price. The process of sales are made at the sale location.

1.2 Objective

The purpose of this study are as an below:

1. Facilitate TB. Fadhil to promote the products offered, so that the public recognize TB. Fadhil facilitate sales.
2. Transactions online so it can be done anytime, and also safe.
3. Simplify data processing and report processing.

1.3 Problem Limitation

Making E-Commerce web services in TB. Fadhil has its limitations problem as follows:

1. This system will process the data members and admin, and the process of booking and payment transaction data online.
2. Payment transaction using paypal, via account transfer, cast and using a credit card.
3. Security system of the web that is using SSL (Secure Socet Layer).
4. Methodes to be used is by using structured data flow. Tools that will be

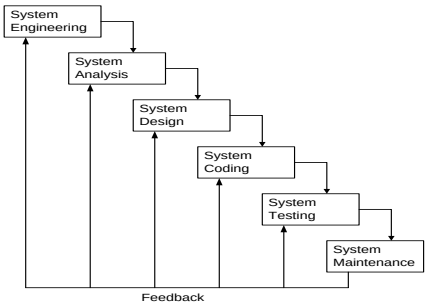
used is the entity relationship diagram (ERD) and Data Flow Diagram (DFD).

2. MODEL, ANALYSIS, DESIGN AND IMPLEMENTATION

2.1 Application Development Model

This application development using the waterfall model. This model is done in a systematic and sequential approach starting from the level of need and then headed to the stage of system analysis, design, coding, testing and maintenance. This model where the development process goes through several stages in the particular order, step by step through which must wait for completion of the previous stage and walk sequence.

These stages of waterfall model can be seen in the image below:

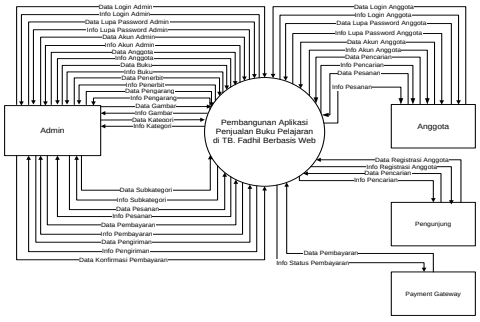


Gambar 2.1 Model *Waterfall*

2.2 Analysis and Modelling System

2.2.1 *Context Diagram*

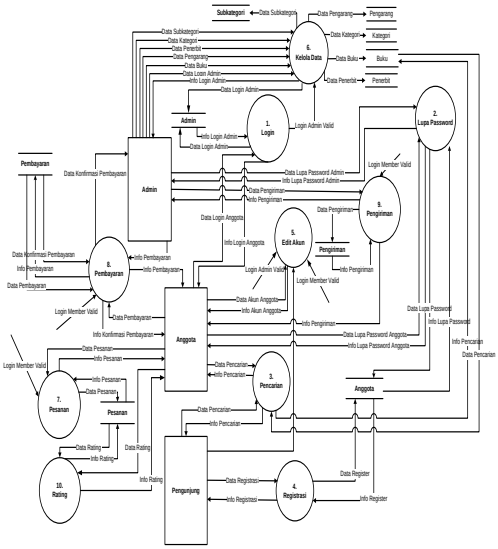
The system built largely described using context diagram. From this diagram can be seen generally in the flow process handled by the system.



Gambar 2.1 Diagram Konteks

2.2.2 Data Flow Diagram (DFD)

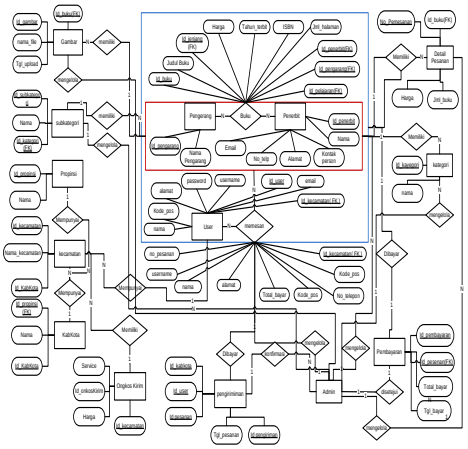
From the contect of the above diagram, the flow of data available on system described in more detail using the Data Flow Diagram.



Gambar 2.2 DFD Level 1

2.2.4 *Entity Relational Diagram (ERD)*

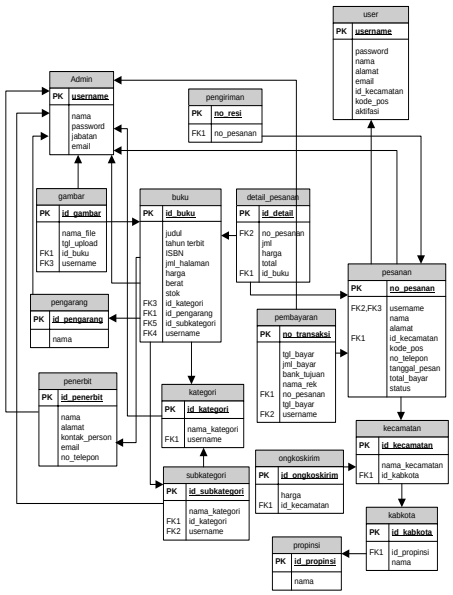
ERD is used to systematically describe the various entities and components of the present system of data and relationships between each entity. To see the connectedness between each entity. To see the connectedness between the exiting entities will be described as an:



Gambar 2.3 *ERD*

2.7 Relationship Diagram

Relationship diagram are used to determine the tables relate to each other to determine the data to be searched, for more details can be viewed as the image below:



Gambar 2.4 Relation Diagram

2.3 Desain dan Implementation

2.3.1 Implementation Hardware

Hardware required by a member either in terms of visitors and administrators are relative depending on the specifications that are owned and will be used, but as an illustration the following minimum system that can be used:

Tabel 2.1 Hardware Implementation

No.	*Hardware*	Spesifikasi
1.	Processor	Intel core i3 processor 330M
2.	RAM	1Gb
3.	Harddisk	320 Gb

2.3.2 Implementation Software

The specification is a minimum that can be used to build and run e-commerce website applications are:

Tabel 2.1 Software Implementation

No.	*Software*	Keterangan
1.	Sistem Operasi	Windows XP
2.	Web Browser	Mozilla firefox 3.0, Google Chrome 5 dan Opera 10
3.	Bahasa Pemrograman	PHP
4.	DBMS	MySQL 5.0
5.	Code Editor	Adobe Dreamweaver CS4
6.	DFD Modeler	Microsoft Visio 2007
7.	Web Server	WAMP

3. RESULTS AND DISCUSION

3.1 Alpha Testing

Testing applications online ordering system uses black box testing method. The conclusions of the alpha test is:

1. Functional systems are already producing the expected output
2. Functionally, the application was able to run properly on the output Microsoft browsers (IE6 +), Netscape (Firefox 3.0.1 +), and opera, but there are still differences, particularly in view of these three browsers are (a problem in the unit pixel size form) be the difference between these three browsers.

3.2 Betha Testing

Beta testing is testing where the testing is done objectively directly to the respondents to make a questionnaire about user satisfaction with the content of user friendly point requirement for further asked directly to the 10 people who became users of this application, but this dijurnal will be given a few examples, with use the following calculation:

Y=P/Q*100%

Description:

P = number of respondents answer each question
Q = number of respondents
Y = percentage value

Conclusion of beta test are:

From the above it is beta testing can be concluded, that this application is quite easy to understand because it displays a user friendly, in giving any information thats enough complete and its safety was deemed safe enough for security using SSL (Secure

Socket Layer), using payment method is complete. But the experience of weakness at the time of the transaction, because it is still considered difficult.

4. CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

From the discussion above, the writer can conclude that:

1. FacilitateTB. Fadhil to promote the products offered, so public recognize TB. Fadhil.
2. Facilitates sales transactions online so it can be done anytime, and also safe simplify file processing and report processing.

4.2 Recommendations

To further improve the performance of the application of e-commerce website is the author proposes some suggestions that can be considered, that is:

1. Website e-commerce systems need to be development for the website can get more leverage in conducting file processing and report processing.
2. Website created require improvement in terms of appearance may be more attractive for people to visit this website.

5. REFERENCES

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