BUILDING APPLICATIONS ONLINE BOOKING ON THE WEB-BASED CV DHISAL AMANAH

Nianti Pratidina Dewi
10106147

Universitas Komputer Indonesia (UNIKOM)
Jl. Dipati Ukur No. 112-116, Bandung 40132
Email : niantidewi@gmail.com

ABSTRACT

CV. Dhisal Amanah is a company engaged in the sale of slippers with a variety of unique shapes and styles. The company issued a 17 characters sandals with a variety of categories. That is the reason why many people looking for this product. In the process of product sales, the company still needs updating in terms of access to promotion. The development of e-commerce is currently providing the changes to the sector of business activity during this run in the real world into the virtual world. CV. Dhisal Amanah will try to update how the dissemination of information about products using the Internet media.

To overcome the above problems, it will build an online booking application in CV. Dhisal Amanah using structured methods. The application is web based so that the agents can make transactions 24 hours spending wherever and whenever they want, with data security and secure networking applications and offline payment options by selecting the appropriate bank with the wishes or online payment using a payment gateway such as paypal.

Based on the research and after doing an alpha test and betha on Online Booking Application in CV. Dhisal Amanah, the conclusion can be drawn is known that on the Application Online Booking. CV Dhisal Amanah can assist in the process of distributing information both product promotion and sales of products quickly and accurately, and be able to automate the transaction process, so that the process of promotion and sale of products became more optimal that will affect the development of business CV. Dhisal Amanah.
Keywords: E-commerce, promotion, product sales.

1. INTRODUCTION

1.1 Background

CV. Dhisal Amanah is a company engaged in the sale of slippers with a variety of unique shapes and styles. Slippers are sold, designed a very simple, so comfortable to be brought anywhere. Made of high quality sponge eva. Elastic material which makes this slipper feels comfortable when used. In addition to its unique sandals and the style, size of the issue is very unique. CV. Dhisal Amanah just making sandals with a size 26, 30, 34, 38, 40, 42 so that in addition to small children, even adults can use these slippers. Characters that use any variety of companies like sandals with a shape of pandas, frogs, beetles, dolphins, whales, grapes, strawberries, apples, hearts, and basketball. Because that's the reason why many consumers are looking for this product. Until recently CV. Dhisal Amanah already has several agents, sub agents, and retailers in various cities in Indonesia, which served to promote and sell their products.

In the process of promotion is needed flexibility in its distribution of products ranging from distance coverage, timeliness, or the ease offered. It became the main support in a sales process. But in its implementation in CV. Dhisal Amanah still need a renewal in terms of access to promotion and sales, as it is still difficult in the process of distributing information on product promotion and sales of products with a limited ability to reach their destination, whose implementation is still waiting for customers.

The development of e-commerce is currently providing the changes to the sector of business activity during this run in the real world to the virtual world. Many companies and individuals who explore business because of the speed of accessing the internet anytime and anywhere, the validity of the data, promotions and product purchasing process is relatively convenient, and secure transaction processing is an attractive offer in a process of sale system. CV. Dhisal Amanah including one company that tried to widen the area of sales and marketing via the Internet so that their products become better known by many people.

CV. Dhisal Amanah already have a website for consumers, but the website does not provide detailed information about the products sold, there's only contact person and an explanation how to join the

agency, but for those who want to become agents still have to come to the store to pick up the catalog so that all forms of booking and how to become an agent is still done manually (offline). This is still one problem in the sales process is, the less easy it is in all aspects of the sale of media products ranging from automation of transactions until the information delivery of goods to agents, sub agents, and retailers that are beyond the island of Java.

Therefore, it would require an application form e-commerce website that can provide detailed information about products to agents, sub agents, and retailers to quickly and easily through the Internet. In addition, the presence of e-commerce website customers can make purchases and reservations on-line without having to go to the store. With all that there is readiness on the agents, sub agents, and retailers ranging from Internet access to everything that has been computerized, it is to overcome these obstacles need to build an application, namely **"Building Applications Online Booking on the Web-Based CV. Dhisal Amanah ".**

1.2 Problem Formulation

From the background was found several problems that are formulated in a formulation of the problem of how to build Application Online Booking on the Web-Based CV. Dhisal Amanah.

1.3 Purpose and Objectives

1.3.1 Purpose

Building Applications Online Booking on the Web-Based CV. Dhisal Amanah.

1.3.2 Objectives

The goal of this research are :

1. Build an online booking website which can be a media sales to improve service to consumers.
2. Easing the dissemination of information on product promotions and product sales in its implementation are still waiting for customers.
3. Ease in all aspects of sales process automation products ranging from transaction processing.
4. Agents can download the catalog without having to come to the store.
5. Provide information up-to-date on the products owned by CV. Dhisal Amanah to consumers.
6. Changing the way manuals (offline) in the process of ordering and purchasing products online.

2. MODELS, ANALYSIS, DESIGN AND IMPLEMENTATION

2.1 Models

Software development model is the making of this application using the waterfall model. The stages contained in the waterfall model based on figure 1.1 is as follows :

a. System engineering
   The first stage is done is to formulate a system that we are building. It is intended that the developer really understood that we are building systems and measures as well as any policy relating to the development of the system.
b. Requirement analysis
   Conducting an analysis of the problems faced and set the software requirements.
c. Design
   Produce designs that meet the requirements specified during the requirements analysis phase. The end result of a very detailed design specifications, so easy to be realized at the time of programming.
d. Coding (implementation)
   Coding that implements the design into a code or language understood by the machine computer using a particular programming language.
e. Testing
   Testing program that produces truth. The testing process focuses on the internal logic of the software, ensure that all statements have been tested and determine whether desired results have been achieved or not.
f. Maintenance
   Dealing with the finished software to run smoothly and avoid the disturbances that can cause damage.

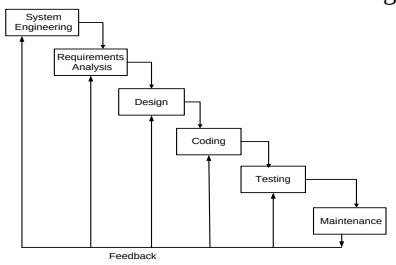


Image 1.1 Waterfall Method

2.2 Analysis

A. Analysis System

A system is a network of procedures that are interconnected, gathered together to perform an activity or solve a particular target [9]. System analysis is the decomposition of a whole system into its component parts in order to identify and evaluate problems, constraints resulting from the requirement, so it can be proposed its reforms.

The things done at the stage of system analysis is the analysis of the problem, the procedure is running, the documents involved, coding analysis, analysis of functional requirements and nonfunctional requirements include the analysis of hardware, software analysis and analysis of the user.

B. Functional Analysis

When will build an application program, the first step to do that is by studying and analyzing the running system. Analysis of the online booking web based applications on the CV Dhisal Amanah current operation will be described in flowmap.

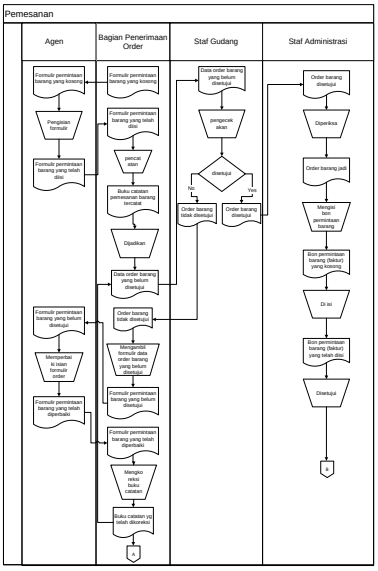


Image 2.1 Flowmap Booking

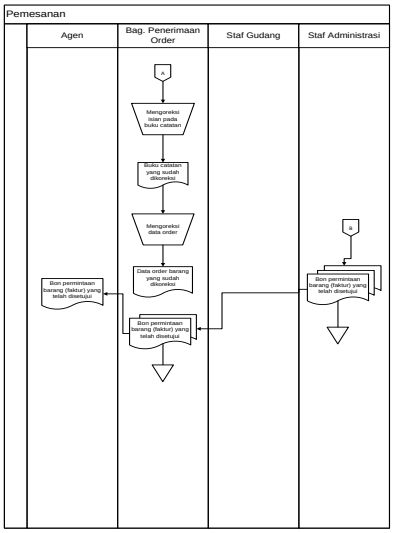


Image 2.1 Flowmap Booking

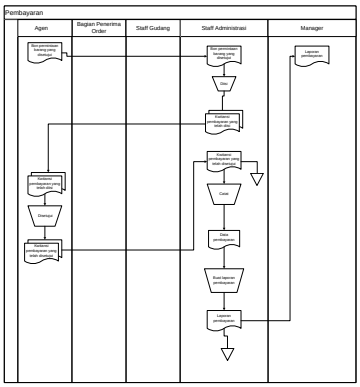


Image 2.2 Flowmap Payments

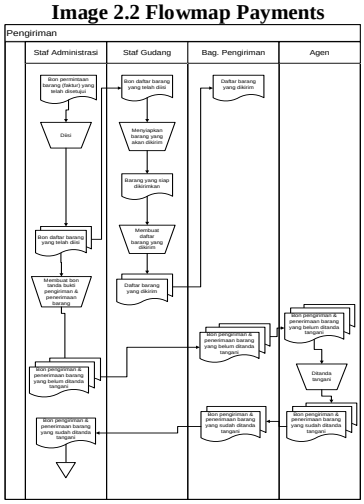


Image 2.3 Shipping Flowmap

C. Database Analysis

The database is a collection of data that can be described as the activity of one or more organizations that are related. This phase is used to analyze any data that are related and are involved in the manufacturing system.

Entity Relationship Diagram (ERD) is a modeling tool that is used to describe relationships between entities that happen, which contains the components of entities and relationships are each equipped with attributes that represent all the facts from some of the real world. Entity Relationship of booking and payment system in the car rental Rental Daras is a network model that uses the order data stored in the system in the abstract.

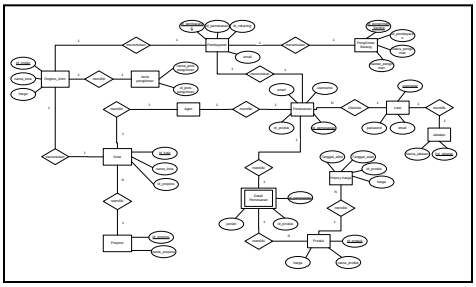


Image 2.5 ERD on CV Dhisal Amanah

D. Analysis of Non-Functional Requirements

1. Context Diagram

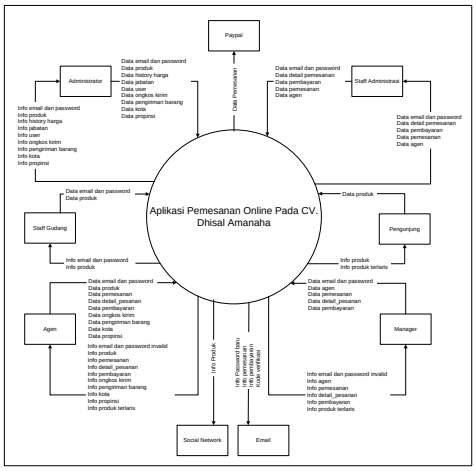


Image 2.6 Context Diagram

2. DFD Level 0

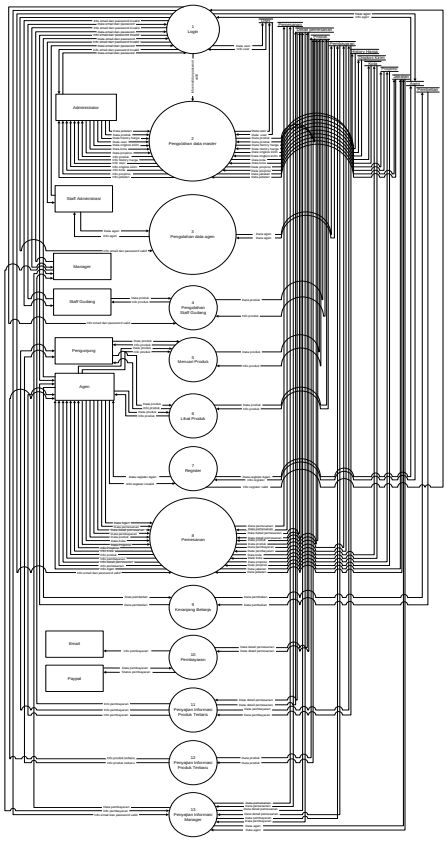


Image 2.7 Level 0 DFD

3. Relation Scheme

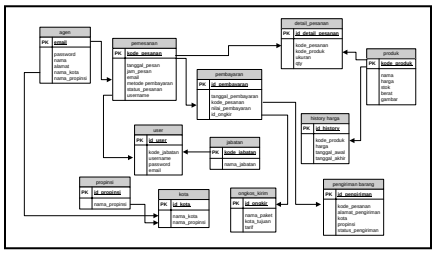


Image 2.8 Relation Scheme

2.3 Design

A. Menu Structure Design

In designing an application that contains the menu structure required menus and submenus that serves to facilitate users in using the application. Here are described on the menu structure in this application :

1. Visitor Menu Structure

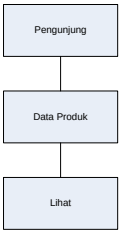
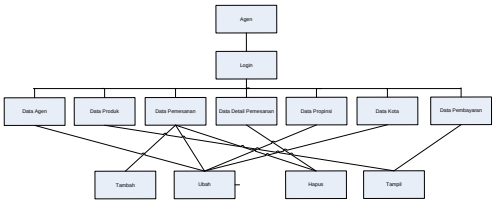


Image 2.9 Visitor Menu Structure

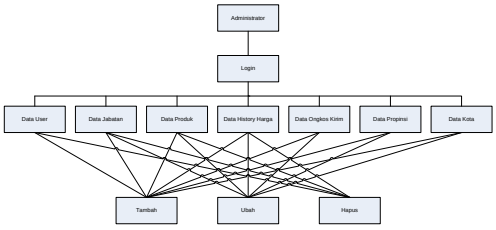
2. Agent Menu Structure



Gambar III.28 Struktur Menu Agen

Image 2.10 Agent Menu Structure

3. Administrator Menu Structure



Gambar III.24 Struktur Menu Administrator

Image 2.11 Administrator Menu Structure

4. Administration of Staff Menu Structure

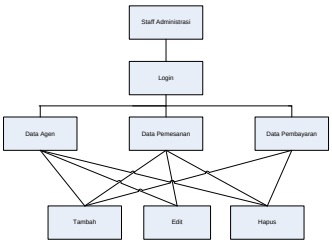


Image 2.12 Administration of Staff Menu Structure

5. Warehouse Staff Menu Structure

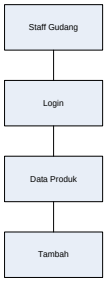


Image 2.13 Warehouse Staff Menu Structure

6. Manager Menu Structure

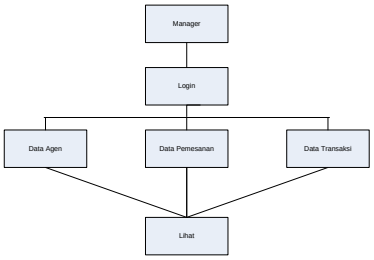


Image 2.14 Manager Menu Structure

B. Main Menu Design Applications

Here is a picture design of the main menu for users and staff.

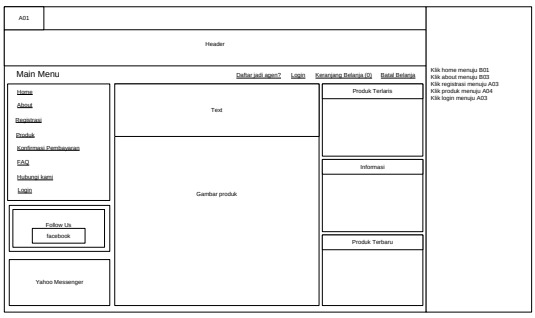


Image 2.15 Display Main Menu Users

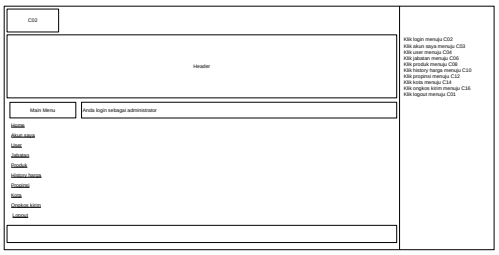


Image 2.16 Display Main Menu Staff

2.4 Implementation

This stage is the stage where the system is ready for operation, which consists of a description of the implementation environment, and program implementation.

A. Hardware Implementation

The hardware used to implement the system are as follows :

1. Processor speed 1.8 GHz
2. At least 40 GB of hard drive capacity
3. At least 256 MB RAM
4. At least 256 MB VGA Card
5. Monitor
6. Free hard disk capacity
7. At least 64 kbps Internet connection
8. Mouse
9. Keyboard

B. Software Implementation

The software used to implement the system are as follows :

1. WAMP as a Web Server
2. PHP
3. Macromedia Dreamweaver 8 as PHP editor.
4. MySQL as DBMS
5. Interface design tool Microsoft Visio 2007
6. Mozilla Firefox and Microsoft Internet Explorer as your browser
7. Domain address www.sandaldhiifs-online.com

C. Interface Implementation

Interface implementation carried out to find every page program. Here is the implementation of the interface created.

Table 2.1 Implementation of the interface

Menu	Deskripsi	Nama File
User login	Used as a user login page.	index.php/agen/logform.html
Home	Used as the home page employee.	index.php/cpel.html
Change passwor	Used as a page to change user	index.php/agen/ganpass.html

d	passwords	
Provinces Data	Used as a page to process Provinces data	index.php/propinsi.html
District Data / City	Used as a page to process the district / city	index.php/kota.html
Data position	Used as a page to process the position data	index.php/jabatan.html
Data users	Used as a page to process user data	index.php/user.html
Price history data	Used as a page to perform data processing price history	index.php/history.html
Data products	Used as a page for processing product	index.php/produk.html
Booking	Used as a page to perform data processing reservations	index.php/pesanan.html
Payment	Used as a page to perform data processing payments	index.php/pembayaran.html
Data agent	Used as a page to perform data processing pre-existing agent	index.php/agen.html
Data postage	Used as a page to perform data processing postage	index.php/ongkos_kirim.html
Report	Used as a page to perform data processing report	index.php/laporan.html
Data delivery	Used as a page to perform data processing delivery	index.php/pengiriman.html
Data transaction	Used as a page to perform data processing transactions	index.php/transaksi.html
My profile	Used as a page for processing user profiles	index.php/user.html
Logout	Used by the user when going out of the system	index.php/user/logout.html

Home	Used as the home page of the application	index.php/#.html
About Us	Used as the company's profile page	index.php/cpel/about.html
Sign become agents	Used as a notifications page how to register to become agents	index.php/cpel/regform.html
Registration	Used as a page for the registration agent	index.php/cpel/regform.html
Products	Used as a page to display all products sold	paket-pelatihan.html
Confirmation of payment	Used as a page to make payment	index.php/cpel/confirm.html
FAQ	Used as a page for visitors who want to ask about company	index.php/cpel/faq.html
Login	Used as a page for agents to enter into the system	index.php/agen/logform.html
Contact us	Contact person and company address	index.php/cpel/contact.html
Logout	Used by agents to exit the system	index.php/agen/logout.html
Cancel Shopping	Used as a page to cancel all the expenditure	index.php/agen/batal.html
Note reservations	Used as a page to display booking agent records	index.php/agen/myorder.html
Download catalog	Used as a page to download catalogs	index.php/agen/download.html

3. RESULTS AND DISCUSSION

From analysis and design that has been done, the results of the application that was built to look like the following view :



Image 3.1 ***Form Home User***



Image 3.2 ***Form Home*** **Administrator**

4. CONCLUSIONS AND SUGGESTIONS

4.1 Conclusions

After going through the online booking application development process at CV. Dhisal Amanah and based on research results on the ground before any additional payment confirmation and shipping status on the transactions that have been accepted can be concluded as follows :

1. The availability of an online sales media that will improve service to its agents, and CV. Dhisal Amanah no longer need to wait for customers in the implementation of the sale of products already available for this application.
2. All customers will be able to shop wherever they want without a time limit and not to worry because all the data related to the agency, booking, payment is stored in the database, so the risk is very little scattered documents.
3. According to the perceptions of agencies involved in the testing, this application provides ease of distributing information on product promotion.

4.2 Suggestions

After going through the online booking application development process at CV. Dhisal Amanah it is recommended that this application be reviewed again to see the response to the end because there's been some additions to the application. Therefore need to be evaluated further to develop more robust applications with the expectation that the system needs not yet been reached at this time can be functionally complete for its software to meet system needs to be achieved at a time when that would come and always follow the latest technological developments so as not to lag by other similar companies. And hopefully in the future that develops not only the applications that have been built at this time, but also the company is expected to grow with updated company programs that are too long. For example, the addition of a courier service, the addition of workers so as to increase the amount of production, and the addition of new products.

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