SYSTEM SOFTWARE ONLINE HOTEL BOOKING AND PAYMENT (CASE STUDY Hotel Augusta Bandung)

Ria Badriyani

Universitas Komputer Indonesia (UNIKOM)
Jl. Dipati Ukur No. 112-116, Bandung 40132
Email: ria.0889@gmail.com

ABSTRACT

Hotel Augusta is one of hotels in Bandung. Augusta hotel provides facilities such a srooms and meeting rooms. Type of rooms available at the hotel Augusta is a Standardroom, Deluxe rooms and Superior rooom. Different types of rooms and the room is based on capacity, price, facilities available in each - each room.During this transaction,and room reservation made by the customer at the hotel in question via phone or come directly to the hotel. Problems also arise in hotel bookings, reservations using the phone will require a long time to obtain information about theroom and the room is still empty. In addition, problems arise on the reservationrecording process takes time because the manual is to be noted in the reservation book
System of online hotel reservation and payment is used to save time and facilitate the company or customer in conducting any transaction, so that information between hotels and customers can walk better. Consumers can order goods online, and payment can be made online as well as transfers. Applications built web-based media is expected toimprove marketing campaigns and more widely.

Keywords: Online Reservation, Hotel, Payment Oline.

1. INTRODUCTION

The development of information systems so rapidly that resulted in many changes in every aspect of human life. One of the perceived impact of technology in the field of information is the Internet. At this time the Internet is not a novelty anymore even have progressed very rapidly and become a useful and important things for the community. This is due to that on the internet information can be provided to people around the world freely and not limited by space and time. To convey this information to the world with a known internet media to put that information online is the website. Aside from being a means of presenter information, the website also commonly used if the community as a medium to perform various activities such as media campaigns, media transactions, communication media, and so forth. Online information technology is an important part of technological development in the world of the Internet. Website is very profitable media usage by many parties, both consumers and the hotel management. Besides can be faster, through the internet information, hotel booking and payment will be more easily done. In general it can be said that the concept of reservations and online payments can be a most efficient manner and facilitate the public in obtaining service from the hotel quickly and without spending a lot of time.

Hotel Augusta is one of hotels in Bandung. Augusta hotel provides facilities such as rooms and meeting rooms. Type of rooms available at the hotel Augusta is a Standard room, Deluxe rooms and Superior rooom. Different types of rooms and the room is based on capacity, price, facilities available in each - each room. During this transaction, and room reservation made by the customer at the hotel in question via phone or come directly to the hotel. Problems also arise in hotel bookings, reservations using the phone will require a long time to obtain information about the room and the room is still empty. In addition, problems arise on the reservation recording process takes time because the manual is to be noted in the reservation book. As well as ordering via phone is not satisfactory because the customer can not see room facilities to be ordered. The need to obtain information rapidly increasing.Along with the growing needs then be made to a media-based online reservation and payment website to menujang needs that exist at the hotel, then

in a hotel needs to build software that can support the "SOFTWARE SYSTEM ONLINE HOTEL BOOKING AND PAYMENT IN WEB-BASED HOTEL Augusta BANDUNG ".
The intent and purpose of writing this essay is as follows:

1. Developing software that can provide convenience for consumers in making reservations, payments and bookings online anytime, anywhere as long as connected to the internet.
2. Displays information about the hotel making it easier for consumers to obtain information from the hotel.
3. Provides convenience for hotel employees in serving customers in the process of check-in and check-out.
4. Make a hotel reservation list of monthly reports to facilitate management for hotel development.

2. MODELS, ANALYSIS, DESIGN AND IMPLEMENTATION

2.1 Model Data

Analysis techniques in the making software using modeling software with waterfall method, which involves several processes including:

a. System Requirements Analysis

In this stage of data collection and identification process of the system needs to be built.

b. Design

Design is the translation phase of the analyzed data into a form that is easily understood by the user.

c. Coding

Coding is the translation stage data or solving problems that have been previously designed into a particular programming language.

d. Implementation And Testing

This stage is the testing phase of software built.

e. Maintenance

Maintenance is the final step in which a software that has been completed can undergo changes or additions as requested by the user.

2.2.1 Functional Requirements Analysis

2.2.3.1 *Diagram Context*

Context Diagram is a tool for structural analysis. This structural approach to describe the general system or in its entirety.

Context diagram hotel reservation system and online payment can be seen in Figure 1.

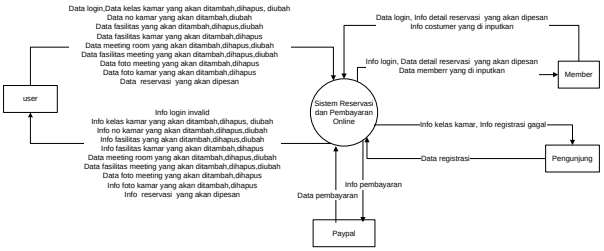


Figure 1. Context diagram hotel reservation system and online payment.

2.2.3.2 DFD Level 1

DFD level 1 for e-commerce sites on Yello boutiques can be seen in Figure 2.

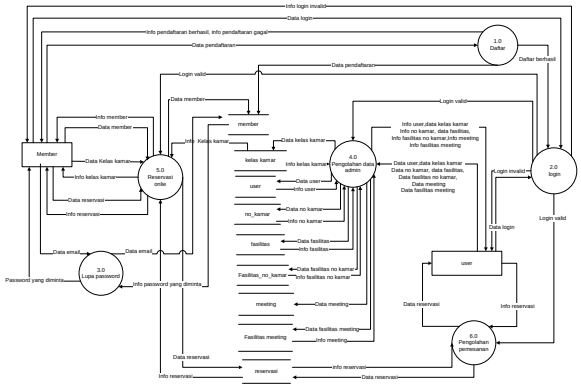
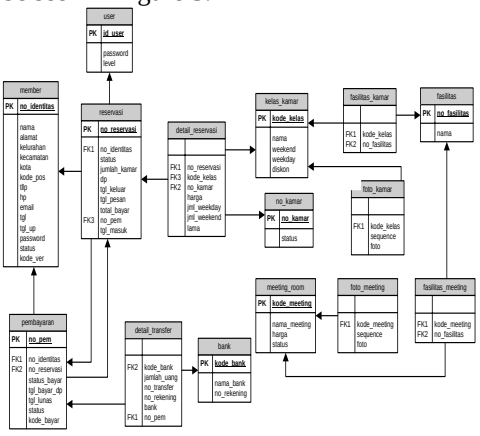


Figure 2. DFD level 1 for hotel reservation and payment system online.

2.2.3.3 Skema Relasi

Relation schema of sites on hotel reservation and payment system online. can be seen in Figure 3.



Gambar 3. Relation schema of hotel reservation and payment system online.

2.3 Desain

Menu structure design is use of point system that is easily understood and easy to use. The design of the menu structure of e-commerce site is divided into 4 menu:

a. Visitor menu structure

Can be seen in Figure 4.

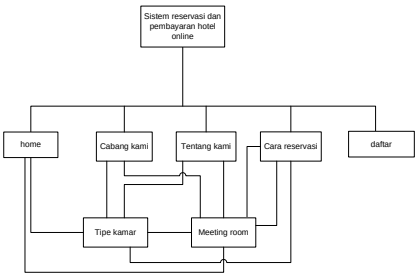


Figure 4. Visitor menu structure

b. Member menu structure
Can be seen in Figure 5.

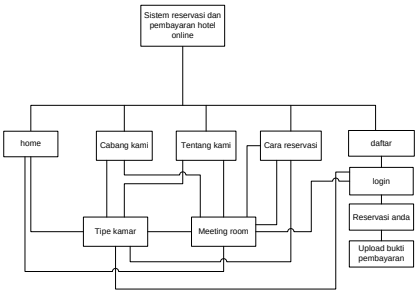
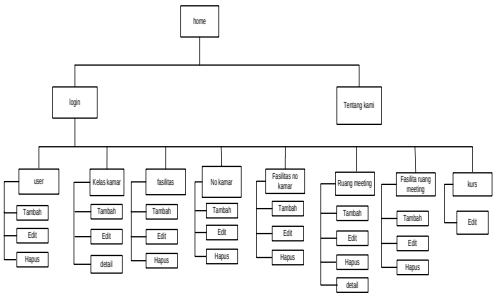


Figure 5. Struktur Menu Member

c. Admin menu structure

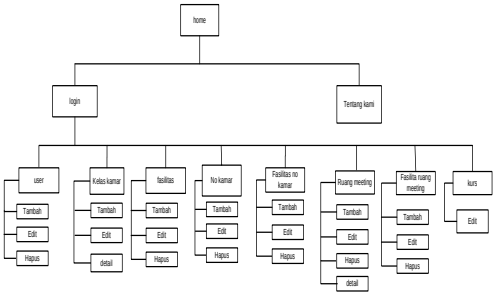
Can be seen in Figur 6.



Figur 6. Admin menu structure

d. Front ofice menu structure

Can be seen in Figur 7.



Figur 7. Front office menu structure

2.1 Implementation

Plan testing will be done by testing the system as alpha and beta.

Based on the results of alpha testing and test samples that have been the case can be concluded that in each process still allows for syntax errors and mistakes in the logical point of view, because the error handling capability has not been fully dealt with, but functionally the system is able to produce the expected outputs.

Based on the results of beta testing with a sample test case that has been done give the conclusion that functional systems can already produce the expected output and user friendly appearance.

2. RESULT AND DISCUSSION

From analysis and design that has been done, the results of the application built one of them might look like in Figure 7. below:



Figure 7. Display applications

3. CONCLUSIONS AND RECOMMENDATIONS

3.1 Conclusions

Based on research conducted, it can be concluded from the development of e-commerce sites on
the boutique Yello as follows:
1. Helping Websites that are built make it easyfor customers to transact and getinfor mation about rooms and amenities without having tocome to the hotel.
Hotels alsoget more detailed information about the customers they have.
2. Flexibility will be
achieved because each customer can cond uct transactionswherever he is through this website.
3. With this website the customer that are outside the city can make bookings in

advance without having to come to Bandung.
4. With this website the hotel to expand its market share.
5. This application does not fix the extension of the hotel room.

3.2 Recommendations

The suggestions on the use of systems that have
been made are as follows:
1. It is necessary to the development of facilities at each hotel that was built forreservations made more widely available.
2. It is necessary to develop the design to make it more attractive appearance.
3. Ordering process should be expanded not only through the
website but can be accessed via mobile phone by sms getway.

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