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Design Model of Booking Rooms and Ship for Trip to Island XYZ

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Abstract –

Utilization of Information Technology (IT) has now reached a good stage. Utilization of IT is encouraging companies to use the system used to facilitate the work. Companies use IT as a means of disseminating information to their recipients. The recipient of the current information wants all access information to be viewed online, so without having to open print media they can receive information. From some case studies there are still many travel booking service providers for tourism that have not utilized IT yet, in the absence of a medium that provides online booking services will have an impact on the difficulty level of users in booking tickets. In this study see the opportunity of IT utilization on service providers to users, for example in a trip to the island of XYZ using tourism travel booking system online. Looking at the concept of online ordering, the method used is based on the relationship between the user and the system described in OOAD (Object Oriented Analysis Design). The ultimate goal of this research is to hope that online tourism travel reservations are expected to facilitate users in utilizing IT.

Keywords **– IT, reservations, tourism, OOAD, facilitate users**

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I. INTRODUCTION

The development of Information Technology is very rapid at this time, triggering developments in other fields, one of them in the field of education. Currently, Information Technology is not only seen as a field of education, but more than that Information Technology began to be developed in order to assist the development of the field of education itself. This is because the development of Information Technology in support of the progress of information exchange is increasingly dominant in today's society. Information Technology is expected not only to support the development of education alone, but more than that Information Technology is expected to provide solutions to existing educational and information problems. Utilization of IT has now entered a very developing stage. With the use of IT positively will give birth to the image of a qualified user and can work well in an organization or company and utilization of IT is also used in the field of tourism XYZ island. Tourism now has become a basic thing in human life, it is based on human activities and busy people need how to eliminate his fatigue in work. Humans prefer to use transportation as a means to conduct their tours. The faster the population is directly proportional to the needs of citizens will be transported, It Makes transportation as a business space that is very promising. the proliferation of businessmen to open a business in the field of transportation is what causes competition among the service companies is getting tighter, especially in the field of service to consumers. In this research will be built a model of rental rooms and ships for tourists who want to go to XYZ island. Where the tourists often have constraints how to get to the island or how to use transportation to go home it. With the design of this system is expected to help tourists to get to the island and tourists can also know the cost to be spent to make the trip.

II. RELATED WORK

Ordering system is a means that facilitate consumers in making online ticket

purchases. By utilizing the so-called IT media as a website, information seekers can find something needed such as booking a room and boat to get to XYZ island. The process done in the online ticket booking is to register first [1, 19, 14], then the consumer get the identity of the buyer such as username and password. After successful registration then the consumer can choose the seat in accordance with his wishes, and after that consumers will get a message into the phone that states to make payment for the ticket [2]. Utilization of internet and website produce good output for its users, because internet and website are communication network without boundary and space, so give facility and ease in completing work [3, 4, 10, 16, 21]. Ease in using internet media to give positive impact to its users and the factor belief between information giver and recipient information. If there is no trust factor, then all activities in the delivery of information will not be easily accepted. Trust is also an important factor in the ongoing sale and purchase of online transactions because trust is essential and is created by direct interaction with the seller personally, or in general the creation of relationships between consumers and vendors [5, 8]. In utilizing the online ticket booking system also by utilizing the application based on the operating system android and iOS, but in this study ticket bookings can still be opened online using mobile devices.

By using mobile devices all activities can facilitate consumers in ordering tickets online and also without knowing the limits of time and space [17]. As in previous research, mobile commerce has emerged as a vital tool for many firms as smart phones continue to evolve and gain in popularity. It offers customers accessibility, enabling them to purchase products or services at any time and from anywhere [6, 7, 9, 11, 12]. The majority of regional tourism plans are derived from the assumption that tourism is a desirable development option for improvements in destination community wellbeing [15]. As an international hotel companies serve an increasingly multicultural market, [18, 20, 22, 23]. In making a room reservation model and boat trip to island XYZ online using the concept of OOAD (Object Oriented Analysis Design) where the concept of OOAD is emphasized to the interaction made by users against the system [13]. OOAD model can be poured in a model called UML (Unified Modeling Language). Where the UML model to be used in this research is use case diagram.

III. METHOD

As already explained, that this research is done using OOAD method with UML model. In UML modeling there are several steps that must be done in accordance with the concept of waterfall model, namely: 1) planning, 2) design, 3) coding, 4) Testing and Implementation, 5) documentation. At the planning stage of this research will be observed how many users's involved in the use of the system, from this study there are 3 users, namely: consumers, admin and leadership. In the activities undertaken by consumers, consumers can perform several activities such as: make reservations and boats and also do confirmation tickets that have been purchased. In the admin activity, the admin can perform some activities such as: add hotel room data and boat, view the status of payment and view sales reports, tour reports and boat reports. In the leadership activity, the leader can only see the sales report. Illustrations at this stage can be seen in Fig. 1, at the design stage, will be divided into 3 views for users and each view will have different content. At the coding stage or programming, this tourism booking design uses PHP programming language and its data base is MySQL. The next step is the testing phase of the program, where the program will be tested whether it is in accordance with the needs of the users or notand the last stage is the documentation of the research that has been done
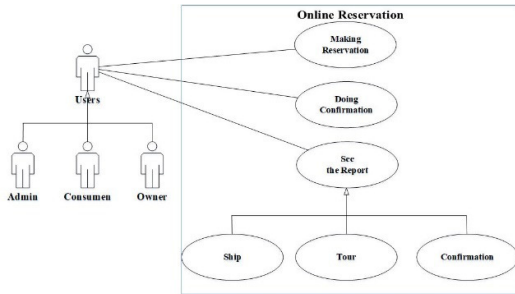
Fig 1. Use Case Diagram Reservation

IV. RESULT AND DISCUSSION

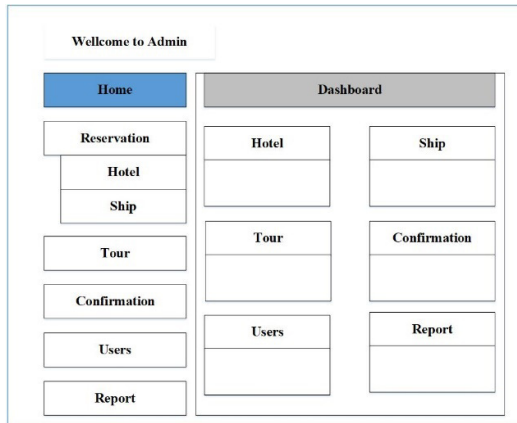Once described above, then this is the design of the Analysis made in accordance with the needs.

Fig. 2 Home of Admin

In the picture above can be explained, that the admin has some activities to the system, such as: manage reservations (hotels and boats), manage the tour, see the confirmation of payment and view reports from reservations.

Fig 3. Page of Reservation – Hotel

In Fig.3 and Fig. 4, it is explained that the admin can manage the content of the reservation on the part of the hotel that can add hotel data. Admin may enter new data hotel, such as room name, room facility and price of each room of the hotel.
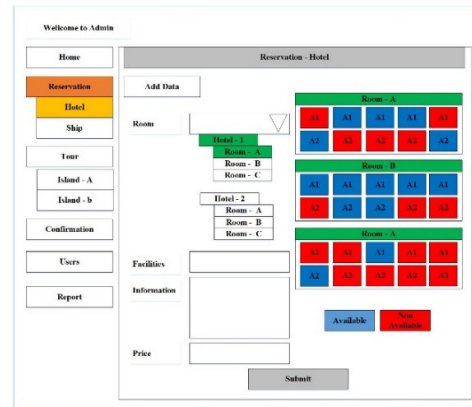

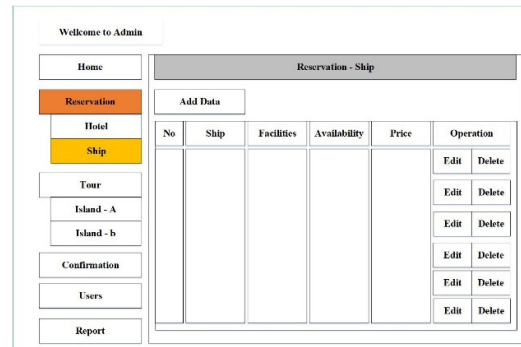Fig 4. Admin Manage Reservation – Hotel

Fig 5. Page of Reservation – Ship

In Fig.5 and Fig. 6, explained that the admin can manage the content of ordering on the boat part that is able to add boat data. Admin can enter the boat, new, like boat name, boat facility and price of each boat.
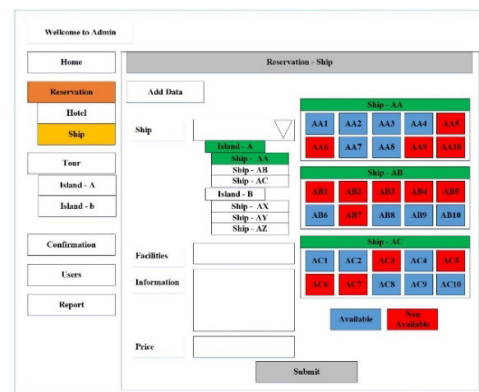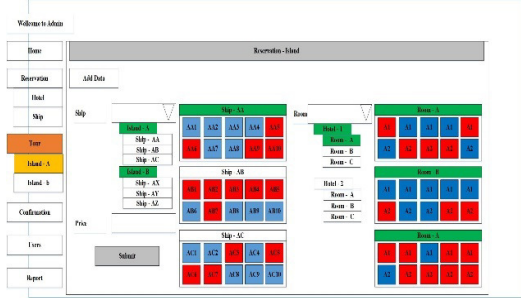

Fig 6. Admin Manage Reservation – Ship
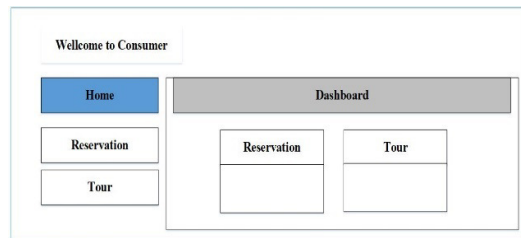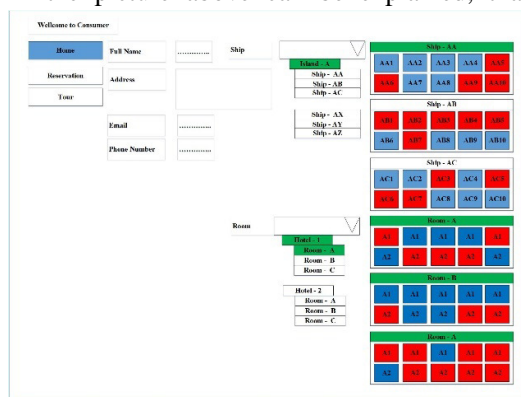
Fig 7. Admin Manage Reservation – Tour

In Fig 7. admin can manage travel data, by entering ship name, hotel name and price of each trip.

Fig. 8 Home of Consumer

In the picture above can be explained, that

consumers have some activity on the system, such as: make reservations and travel.

Fig 9. Consumer Book Travelers

Views above, consumers can make travel reservations, such as by choosing no room at the hotel and choose a boat to go to XYZ island. After choosing, then consumers can enter biodata, such as full name, address, email and phone no. The red display states that both hotel and boat rooms are full, while blue, hotel and boat status are available.

V. CONCLUSION

Based on the description that has been explained, that travel ticket booking system is based online, with the aim of facilitating consumers in the process of booking travel

tickets. The system can also easily view reports, both hotel room sales reports, sales reports of boat availability and ordering reports. For the future tourism travel reservations will be based on mobile applications such as android and iOS, because now many consumers are already using android-based mobile and iOS.

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