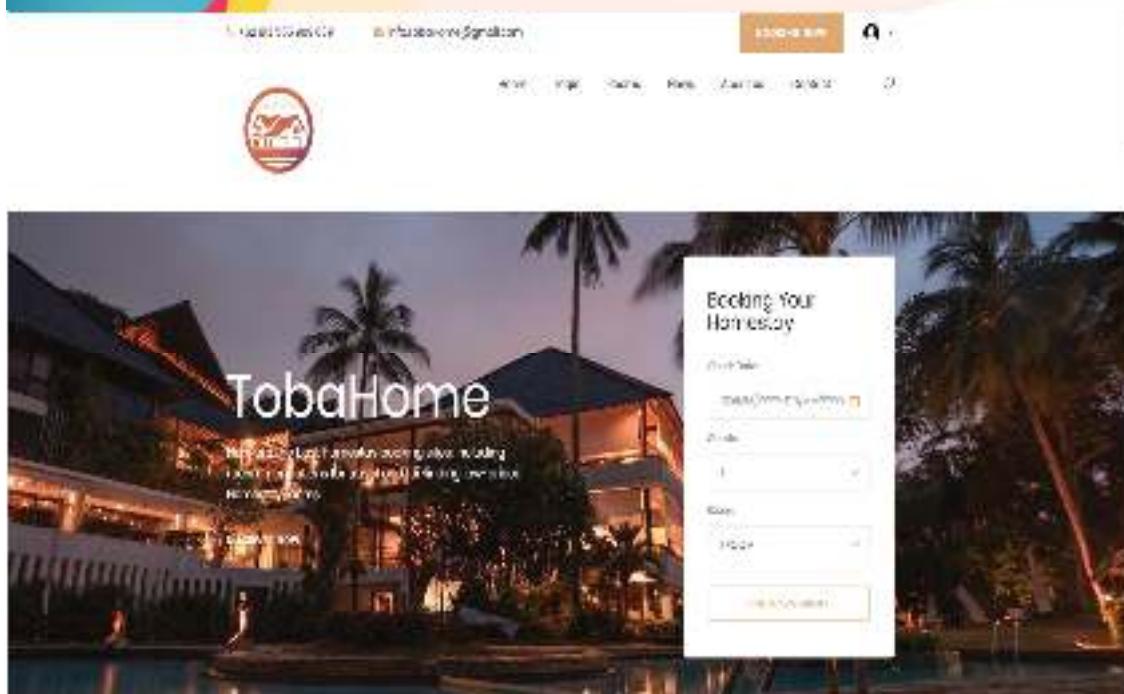


Web Based Online Development Of Homestay Information System in Tobasa (TobaHome)



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Background

Now Lake Toba has been designated by President Joko Widodo (Jokowi) as national tourist destination. This tourist destination, a destination not only at the local level, or Indonesia only, but also International. Therefore, Lake Toba and more about interesting development local or foreign tourists to come visit or enjoy Toba Samosir tourism.

Therefore, work recipients build a Homestay Information System in the Regency Web-based Toba Samosir as a forum to introduce a homestay to the wider community and even foreign tourists. Please help homestay owners to manage assistance well.

AIM

A

To help local and foreign tourists in getting information about places to stay (homestay) in the Toba Samosir area.

B

With this system, tourists do not need to be confused to choose or determine homestay that has services or who have a good rating from other tourists who have visited a place of lodging (homestay)

C

Helping homestay owners to promote homestays to the wider community.

THE SCOPE

The tobahome information system is built on a website platform.

TobaHome Information System is used by 4 users, namely admin, owner, visitor, and guest.

The TobaHome Information System provides information about Toba Samosir homestays.

The TobaHome Information System produces homestay data, reviews about homestays, and homestay ratings

System Overview

Current System overview

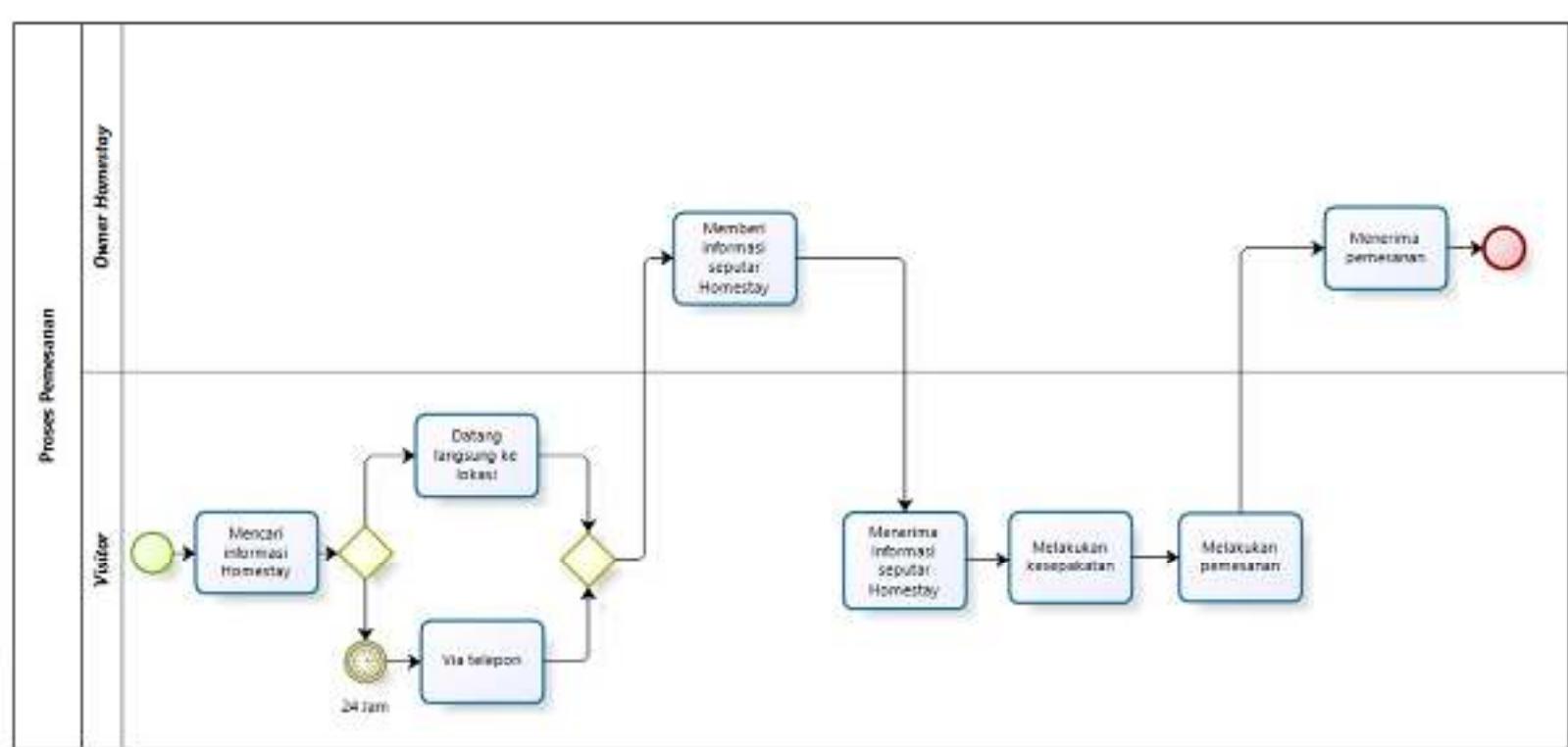
a. Business process Booking Homestay

At present the homestay or lodging house booking system located in Toba Samosir, especially in the surrounding Lumban Bulbul, is by visiting the owner of the homestay directly. Furthermore, homestay seekers will negotiate prices and facilities with the homestay owner. If both parties agree with the specified conditions, the innkeeper will make a payment directly to the homestay owner in accordance with the agreement of both parties, then occupy the homestay. But if it does not reach an agreement, then the innkeeper will look for another homestay according to the needs of the innkeeper. The visitor can also place an order by phone, by means of a visitor who has gotten the homestay owner contact from various sources (relatives, acquaintances, friends, and social media) will contact the homestay owner. Furthermore, the homestay owner will send photos or pictures of the homestay.

System Overview

Current System

Bussiness
Process
[Booking
Homestay]



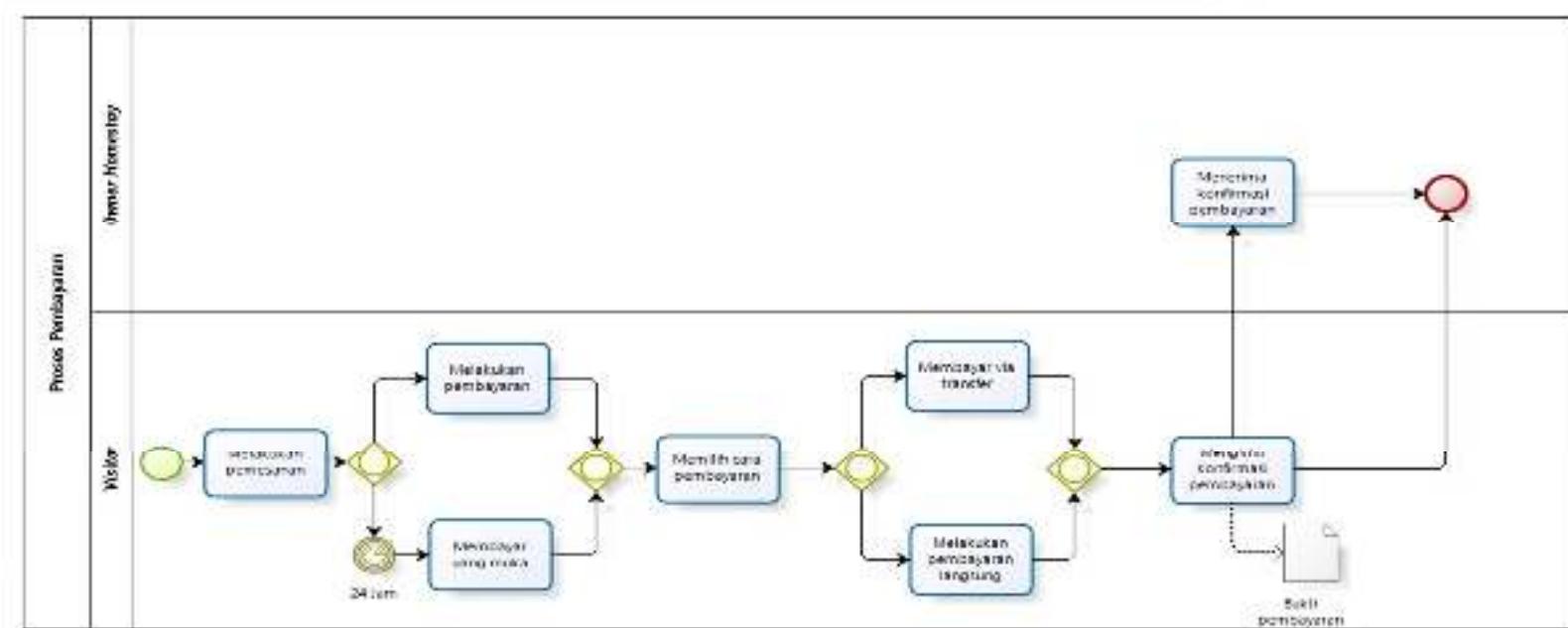


b. Business process [Payment Homestay]

If the visitor is interested in the homestay, the visitor will negotiate prices and facilities with the homestay owner. If both parties agree with the specified conditions, the innkeeper will make a direct payment / cash to the owner of the homestay in accordance with the agreement of both parties, then occupy the homestay. But if it does not reach an agreement, then the innkeeper will look for another homestay according to the needs of the innkeeper. For visitors who place an order via telephone, can pay via bank transfer. Payments made by visitors depend on bookings made. If visitors book lodging more than 24 hours before staying, the visitor must pay a deposit in advance.

Current System

Bussiness Process [Payment]



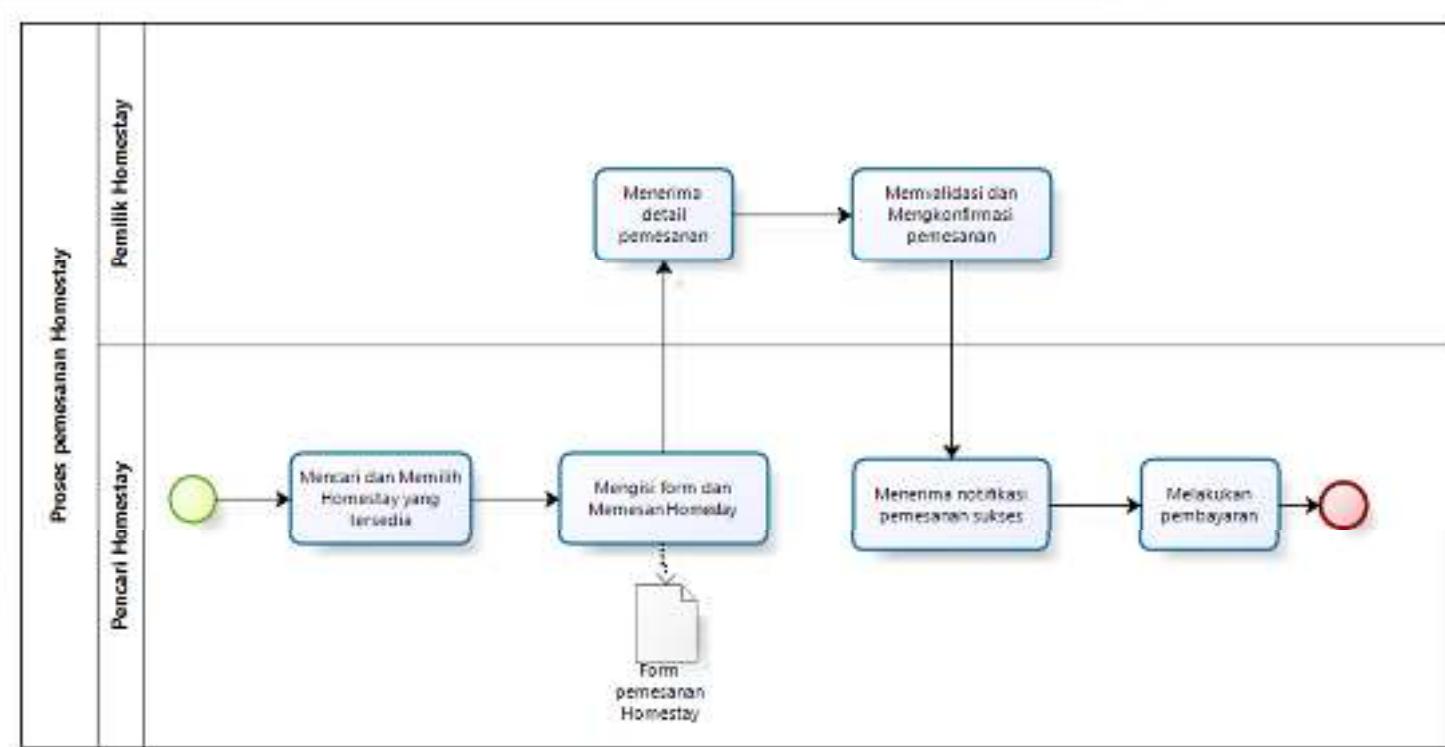
Target System

a. Business Process [Booking Homestay]

In the TobaHome information system the business process is logged by all visitors and homestay owners registered in the system. If visitors and homestay owners want to log in, visitors and homestay owners must access the TobaHome information system. The system will then display the login form. Homestay visitor and owner will enter a valid username and password, then the visitor and owner of the homestay enter the system

Target System

Bussiness
Process
[Booking
Homestay]

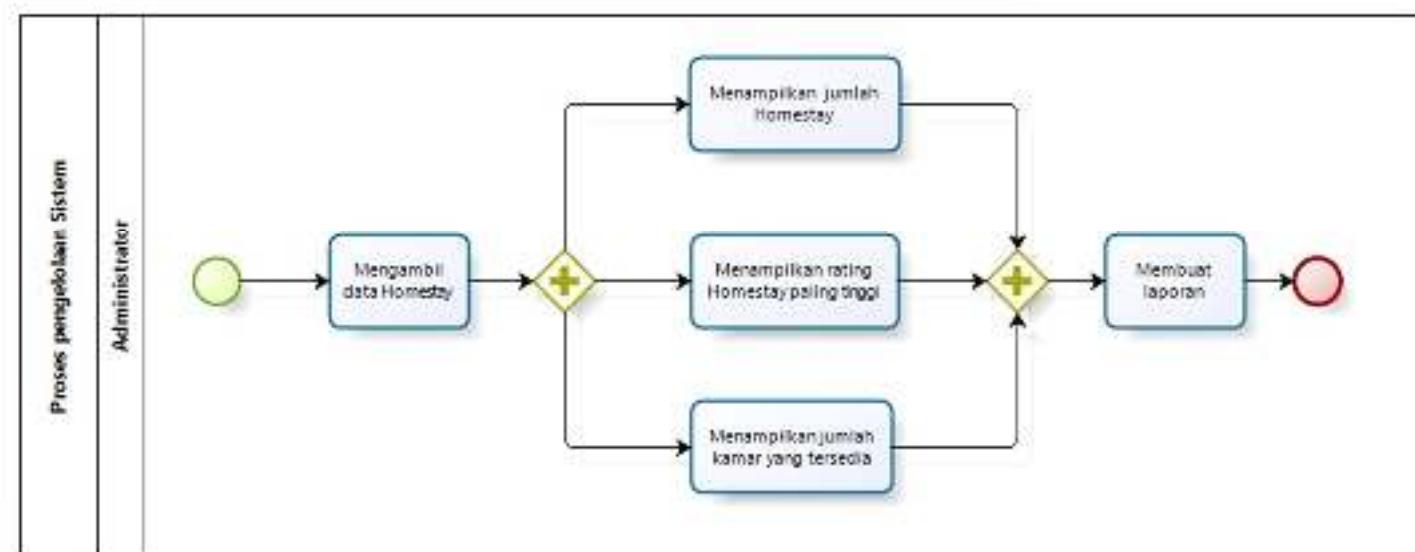


b. Business Process [Management System]

In a homestay information system there is a system management process that can only be accessed by the System Administration. In managing this system will apply the concept of Business Intelligence which will be displayed on the Dashboard of Information Systems Homestay website. Through this Dashboard the admin can see the number of homestays available around Toba Samosir, the most visited homestay and has the highest rating, and the number of rooms that are currently vacant. Based on the information displayed on the Dashboard, the system administration section can process the data in the form of a report.

Target System

Bussiness
Process
[System
Management]

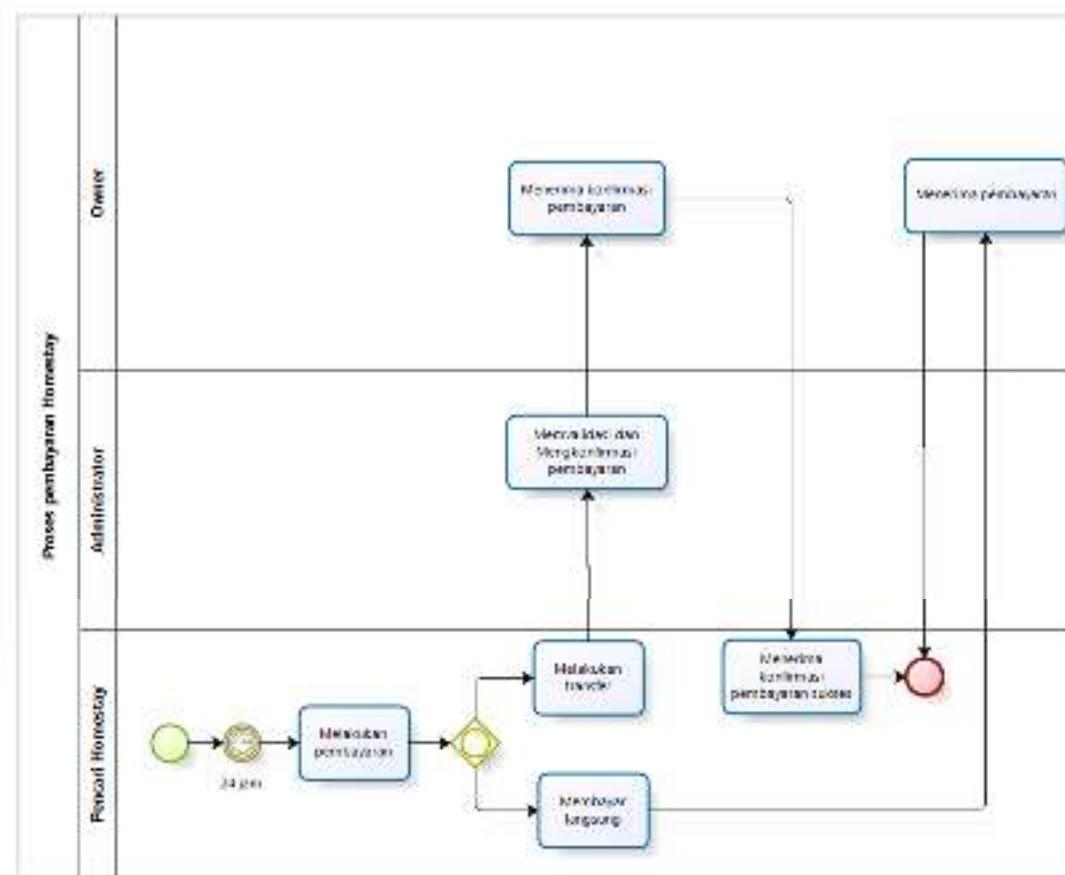


c. Business Process [Payment]

In this homestay information system there is a payment process for lodging houses that have been booked in advance by the visitor. To make a payment, visitors must first log in to the system then select the payment menu. Payment can be made no later than 24 hours after ordering. Then visitors make payments that can be done in 2 ways, namely cash and transfer. Cash payments can be made after arriving at the location of the inn and paying cash directly to the homestay owner. For payments via ATM, visitors need to provide proof of payment in advance which will later be checked / validated by the administrator. When the payment data is valid, the visitor will get a notification that the payment process is complete.

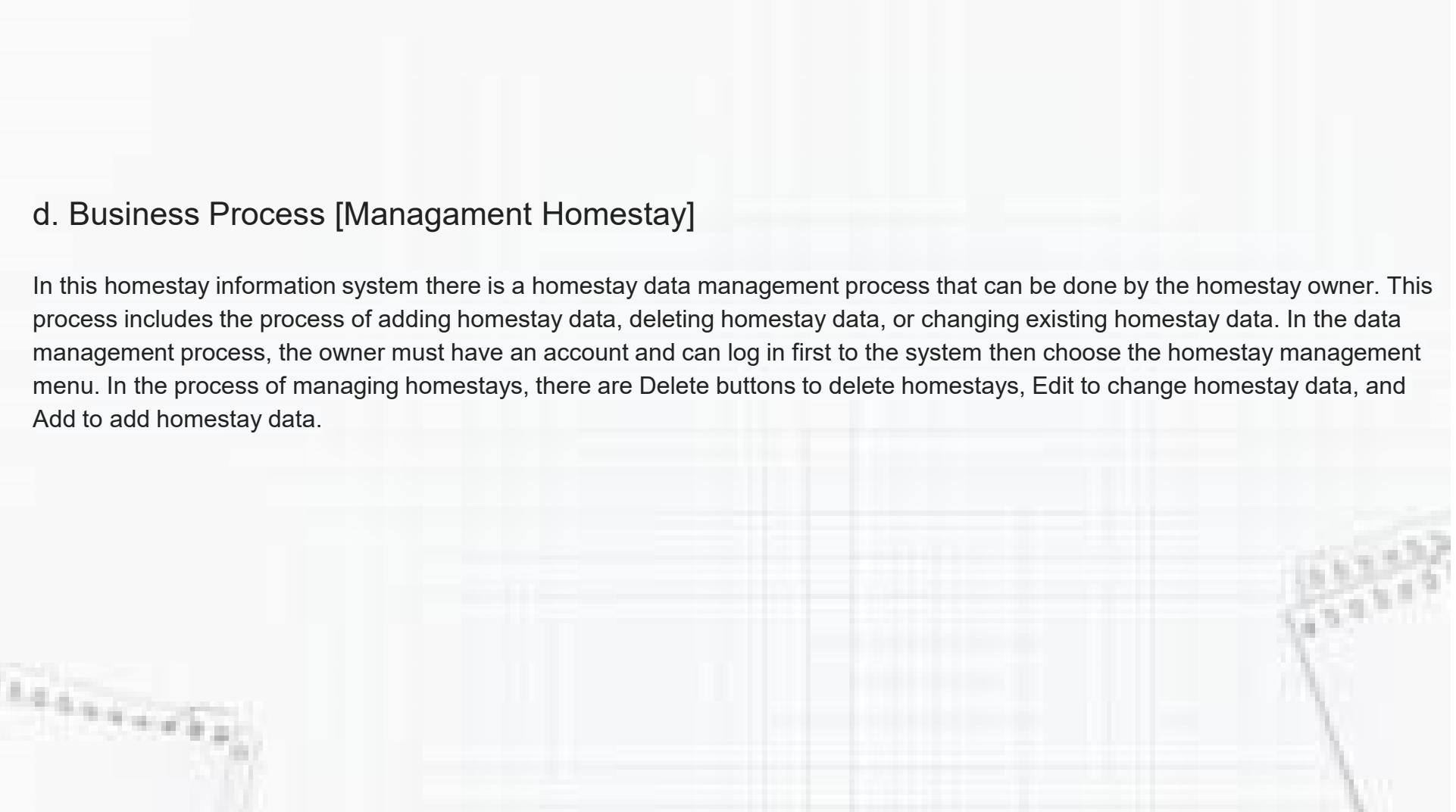
Target System

Bussiness Process [Payment]



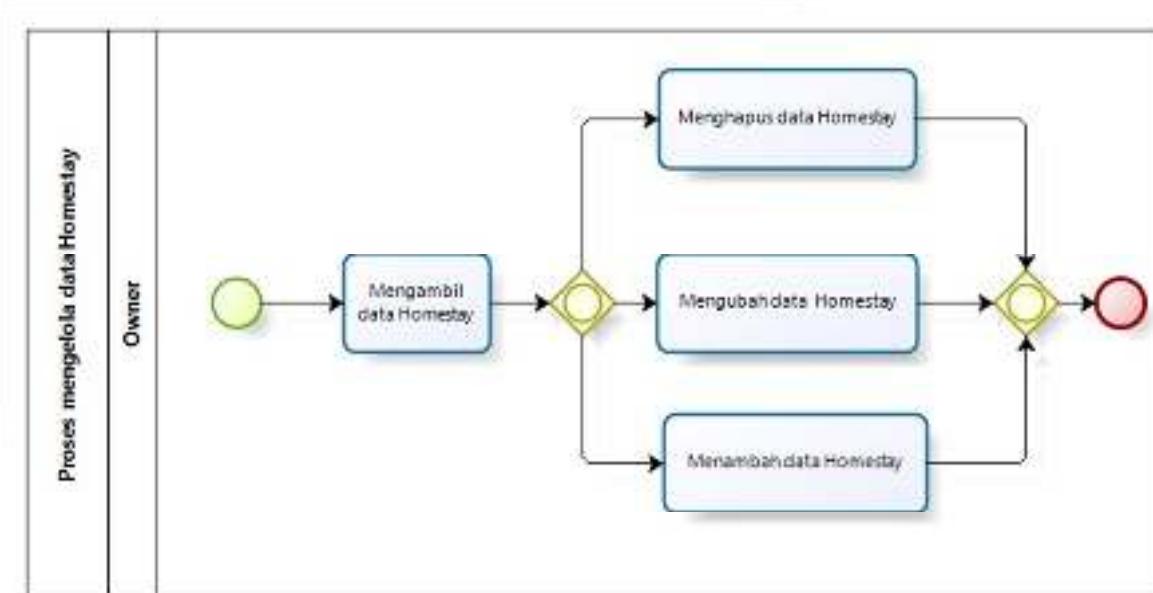
d. Business Process [Management Homestay]

In this homestay information system there is a homestay data management process that can be done by the homestay owner. This process includes the process of adding homestay data, deleting homestay data, or changing existing homestay data. In the data management process, the owner must have an account and can log in first to the system then choose the homestay management menu. In the process of managing homestays, there are Delete buttons to delete homestays, Edit to change homestay data, and Add to add homestay data.



Target System

Bussiness Process
[Management
Homestay]

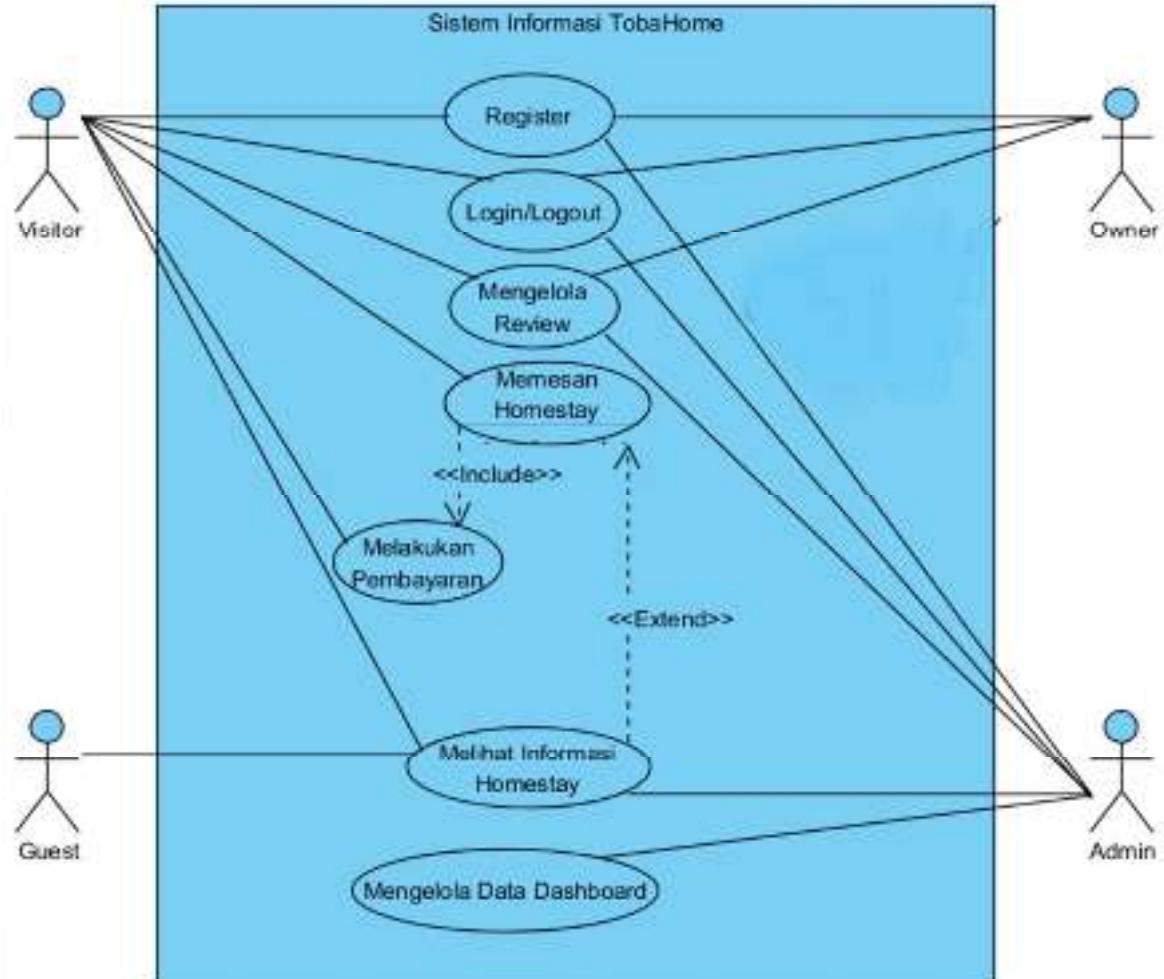


Use Case Diagram

In the usecase diagram that we have designed we will implement in the construction of this system involving 4 users, namely visitors, owner, admin and guest, each of whom has different functions to do. first we will discuss visitors, where visitors can authenticate such as registration and login, then also can see homestay information, make homestay bookings, make payments and also provide comments or ratings as a review.

then the second is guest where guest can only see homestay information, guest is different from visitor, user is referred to as visitor if he already has an account and can log into the system. the third is the owner, the owner can also authenticate as registration and login, then the owner can also manage the review. then the last is the admin where the admin can also authenticate registration and login, manage reviews, view homestay information and manage dashboard data.

Cont'



Functions in the TobaHome Website

Registration Function

This function is a function that is used to register on the system. Every user who wants to access the system and wants to book a homestay must register first

Login Function

This function is used to limit the access rights of users. In this function, the system distinguishes 3 types of users by role, admin, owner, and visitor

Homestay Booking Function

This function is used by visitors to book a homestay after checking the availability of homestays

Cont'

Payment Function

This function is used by visitors to make payments to homestays that have been ordered before.

View Homestay Information Function

This function is used by all users to view available homestays. Users can view homestay data starting from pictures, facilities provided, location, and review of each homestay.

Cont'

Dashboard Management Function

This function is used by the admin to manage the dashboard. As for what will be managed in this dashboard are the percentage of each homestay visited in a certain time unit, the percentage of visitors visiting the homestay in a certain area, the number of visitors and owners who have recently joined in a certain time unit and so on.

Review Management Function

This function is used by visitors and owners. This function is used by visitors who have previously stayed at the homestay to provide reviews and ratings of the homestay and is used by the owner to respond to visitor reviews. This function is made as a reference for recommendations for other visitors.

Conclusion

Tobahome is a system built to make it easier for the public or visitors to order homestays around TOBA online on a web-based basis. TobaHome was built to make it easy for homestay owners to promote their homestays while also making it easier for visitors to find lodging that suits what they want without requiring more energy to visit the existing homestays one by one. According to the visitors who came, finding a homestay that suited their needs was one of the obstacles that was often encountered so it was expected that the Development of a Web-Based Toba Samosir Homestay Information System could be an effective and efficient solution for homestay owners, visitors and the community.

Thank
you





URL youtube dari presentasi dan demo produk:

<https://www.youtube.com/watch?v=nL2nxMWtfWw&t=635s>