Online Church Services at GSJA Victorious Worship Family

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Abstract—**To increase the growth of the church members in a church, one aspect that can be done is by introducing the church website application to the church members. Church members can easily get service handling quickly and accurately. It is hoped that the presence of internet media in the church can become an intermediary for information that is easy to access and practical to use so that it helps users find the information they want. This application will provide various functions such as service schedules, congregational data, online consultations, fundraising (if there are church members who need it) and Bible studies. The results of making this website can help users get to know the church where they worship, get the service they want and at the same time feel emotional closeness because they can be served quickly.**

Keywords- Online Church Service, Web-Based, Information System

I. INTRODUCTION

GSJA Victorious Worship Family is one of the churches under an organization called the *Gereja Sidang Jemaat Allah* (GSJA) or Assemblies of God. GSJA is currently the largest Pentecostal church in the world which has a following of around + 65 million people worldwide. In Indonesia, GSJA is a continuation of Bethel Indies Zending which was recognized by the government on April 4, 1941. Then the name changed to "The Assemblies of God in Indonesia" which was ratified by the Ministry of Justice of the Republic of Indonesia on February 10, 1951 with legal entity No.YA8 / 11 / 16. The founders were three American missionaries, namely: Kenneth G.Short, Ralph M.Devin, and Raymond Arthur Busby. Ralph Mitchell Devin as Chairman until 1959[1]. In 1998, Pastor John Ingatum, based on God's vision, opened a new church in Makassar without sponsorship. The fellowship started in June 2000 at his own house with eight people including the pastor and wife. A month later it increased to an average of 15 people. Then, this fellowship was inaugurated under the name GSJA "Victorious Worship Family". The church had experienced many changes from year to year, and at the age of 15 it finally had its own place, namely at *Graha Victorious Makassar*. However, even though it is 22 years old, the church does not yet have an official website in this digital age.

Some people will say a church does not need a website, but the fact says otherwise. There are many benefits that come for a church by having a website. Websites are a great way to keep in touch with members of the church especially in a case like today where all prayers must remain online. Benefit to having a website is that it can significantly reduce the number of phone calls and inquiries regarding service times and basic information about the church. The admin can post the service time on the website. Having a website can also give a church a way to collect online donations, online prayer consultations, and Bible study classes that are conducted online.This system is proposed to fulfill these objectives To fulfill the need of a digital technology that can support church services and to keep engaging with the member of the church interactively

II. LITERATURE REVIEW

This section is to explain the purpose related or concepts used in the development of this thesis *Gereja Sidang Jemaat Allah* or Assemblies of God. The Assemblies of God in Indonesia began with the arrival of three missionaries from the United States, namely: Kenneth G. Short, Ralph M. Devin, and Raymond A. Busby who worked under the supervision of the Bethel Temple Mission, in Indonesia until the birth of the Assemblies of God in Indonesia which is the official successor of the so-called Bethel Indies Mission, in January 1951.

In 1951, Ralph Devin sent Leonard Lanphear and Harold Carlbloom to Minahasa on two mission, which is:

1. Opening Assemblies of God churches in Minahasa
2. Established a Bible school as a "factory" to produce Gospel Ministers in Minahasa

Lanphear and Carlbloom ware invited to be speaker at a revival services (*Kebaktian Kebangunan Rohani*) sponsored by a prayer group led by J.D. Tumengkol at the *Tonsea Lama*. At the end of the service, J.D. Tumengkol and other members of the prayer group decided to join

the Assemblies of God of Indonesia. Finally, a church was built which was built on the land belonging to the Julis Ratag family. This church is now known as the first *Sidang Jemaat Allah* Church in Minahasa. However, the second mission could be realized in 1952, precisely in May at Kakaskasen. Known as the Minahasa Bible Institute

Darrel and Dianne Wood wanted to expand the GSJA ministry in the villages of Central Sulawesi, and finally established the Maranatha Bible School at Palu in June 1993. The presence of the Maranatha Bible School has had a positive impact on GSJA's ministry in Central Sulawesi. Hundreds of kilometers from Palu, in Palopo City, South Sulawesi, Henly Kasenda, Pastor of the GSJA Palopo with the support of the Gospel Ministers and Regional Goverment (Badan Pengurus Daerah) South Sulawesi opened the Talitakum Bible School on October 11, 1991.

Pdt. John Ingatum grew up under the shepherd, Pdt. Henly Kasenda a Pastor at GSJA Talitakum Palopo. Pdt. John Ingatum started his ministry from leading young people, then became a lecturer at the Talitakum Bible School (STAT) Palopo. In 1998, through the God's vision he left Palopo and went to Makassar to opened a new church in Makassar without sponsorship. Started with eight people fellowship, including he and his wife. Then increasing to an average of 15 people. Finally, it was inaugurated under the name GSJA Victorious Worship Family.

4.2 Church Services

Those of us who are close to the church environment often hear the term Church Service. Church Service is an activity to express love. Because, this service is a form of application of the law of love in the Bible. The first and second laws of love command that we always love God and love others. The form of expression of love that we can do for the Holy Trinity is by taking part in Church Service.

There are strong reasons why we as a Christians need to serve in the church. Apart from being our gratitude for the gifts given by God, Church Service also keeps us close to people who love God. So that indirectly, we will be directed to walk according to God's path. Common forms of service in church:

1. Music Performer
2. Singer and Song Leader
3. LCD and Sound Officer
4. Church Collection Officer
5. Usher

III. DESIGN AND IMPLEMENTATION SYSTEM

This is the explanation of this thesis application development process.

A. System Analysis

System Analysis explains the analysis of the software – both in its function and behavior – in order to satisfy the prescribed requirements.

B. System Overview

The development of this Online Church Services would run on web-based application that can easily accessed using a web browser with a connected internet network. The application would have the following features below:

1. Church worship schedule
2. List of Pastors
3. Online Bible Course
4. Fundraising
5. Chat feature

C. System Use Case

Illustrated in figure 5.1 is the use case diagram for this application. Use case diagrams are diagrams that describe the relationship between actors and the system. Use case diagrams can describe an interaction between one or more actors with the system that will be created. Use case diagrams can also be used to find out what functions are in a system and can also present an interaction of actors with the system. This component then describes the communication between the actors and the existing system. Thus, use cases can be presented in a simple order, and will be easily understood by consumers. The benefit of the use case itself is to facilitate communication using domain experts as well as end users, providing certainty about the right understanding of the requirements or also the needs of a system.
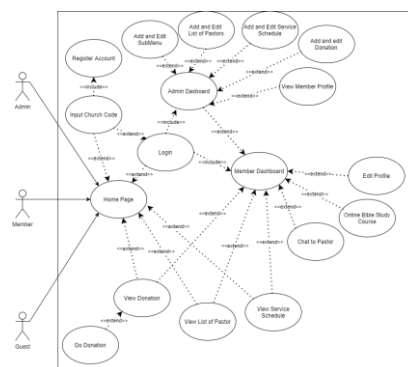

Figure 1. Use Case Diagram

D. System Design

The system design shows the component, interfaces, and data that needed to fulfill the requirements of the system.

1. User Interface Design

User Interface Design is used by process designers to create software or computerized system interfaces, based on looks or styles. The goal of designers is to build interfaces that users find simple and pleasurable to use.
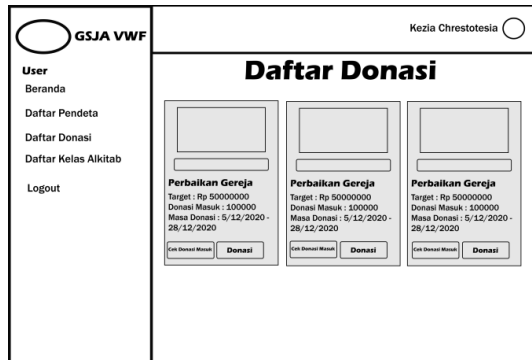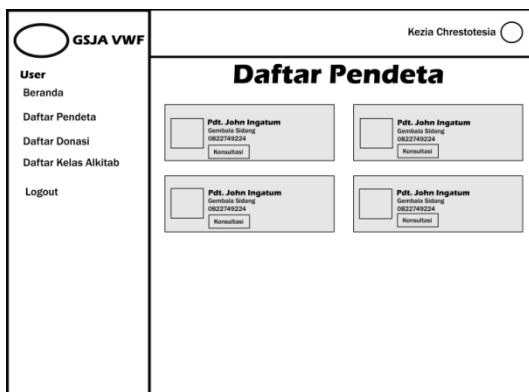

Figure 2. Donation User Interface Design

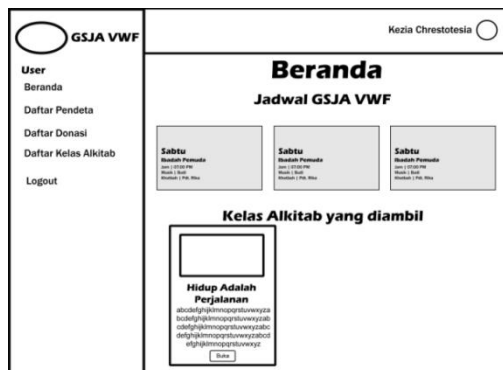Figure 3. List of Pastors User Interface Design

Figure 4. Member Dashboard User Interface Design

E. Entity Relationship Diagram

Within the project, ERD lets you coordinate and record the different data entities and their relationships to each other. The ERD is mainly a tool to help interact for project with the data analyst.

The entities are the individually recognizable persons, objects, or concepts whose information is essential to the company. The attributes
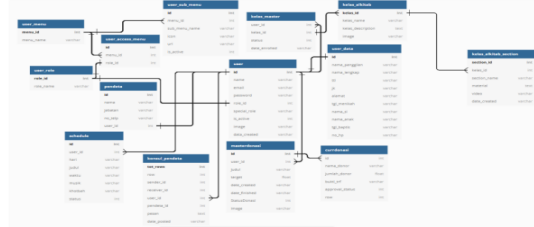

Figure 5. Entity Relationship Diagram

F. System Implementation

The process of implementing the system is discussed in this chapter. User Interface Development consists of screenshots of the application.

Figure 6. shows the interface of member dashboard.

In the member dashboard, member of church can see service schedule and bible course that already taken by member.

Figure 7. Member List of Course

Shows the interface of member list of course. This page consists of the title of the course, description, and button to enrol.

IV.   EVALUATION

This chapter discussed about the system testing in order to ensure that the program performs as planned until it is completely published and meets the functional requirement.

Scenario	Expected Result
General Features	
Application Open	Application should be able to open and go to home page
Navigate to List of Pastors	System should scroll down to the list of pastors
Navigate to Donation	System should scroll down to the donation
Navigate to Service Schedule	System should scroll down to the service schedule
Do Donation	The donation should show in admin donate list and in pending status
Admin Features	
Login	The application should be able to login and go to the dashboard based on account type
Registration	Admin can make account
Edit profile	Admin can edit profile, profile edited
Add list of pastors	Admin can add list of pastors, list of pastors added
Add service schedule	Admin can add service schedule, service schedule added
Add Donation	Admin can add donation, donation added
Approve Donation	Admin can approved donation, status changed, total fund increase
Download member of church data	Document will be saved to device storage
Add Course	Admin can add course, course added
Add Course Content	Admin can add course, course content added
Add sub menu	Admin can add sub menu, sub menu added
Do chatting	Admin can chat to all pastors
Member Features	
Open course	Member can open, and view the course
Play course video	Member can play, and watch the video
Do Consultation chatting	Member can send messages, and receive messages from pastors
View donate list	Member can view the donate list
View course list	Member can view the course list
Enroll to course	Member can enroll to the course, and the course displayed in the beranda

V. CONCLUSION

This research intends to help GSJA Victorious Worship Family in facilitating various church services, starting from service schedule, list of pastor, donation, and consultation chatting. The Web-based Online Church Services will help to support and give services for the member of the church and people outside member of the church. So that it's not only benefited for the church, but also for other people within the community.

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