WEB BASED INTERACTIVE FAMILY PHOTO ALBUM (N-IFPA)

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ABSTRACT

Web based interactive family photo album (N-IFPA) is built to show the web based development for the family photo album that will contain a few of interactive features such as tagging photo and family live chat. The family tree will be manually generic by updating the relationship of the family members. By the existence of this web based application, it can help the relationship between the family members to be closer because the family members can know each other more precisely by just follow up this application. The relatives can enter the information about their family members and the relationship between them and this web based will be manually update the family tree to make the families know the new status of the relationship with each of the family members. The purpose useful of this application is could help the new born family members to know their relatives closely by looking at their photo and relationship among them. In manual method, each of family members sometimes felt the difficulties to get to know each other among their family members. With this system architecture, it can help the family members to get the information in a proper way. This Web based application use the Waterfall method as a development phase that can operate the phases step by step.
ABSTRAK

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CHAPTER 1

INTRODUCTION

1.1 Overview

Web based interactive family photo album (N-IFPA) is the offline application that will store and manage the photos of the student family members. As all we have known, the concept of the Web-based application refers to any of the program accessed over a network connection by using HTTP and that is better than an that existing within a device memory.

This Web-based application usually runs inside a web browser but sometimes, this application also can be a client-based that is a small part of the program will be downloaded to the user desktop, but the process is done over the Internet on the external server. However, back to the old method, by using the traditional software program, user need to download and install
the programs onto their computer in order for them to use. By using the old method, more time and money have to be spent on maintaining and updating that software, which is only available on that one computer anyway.

On the other hand, when the software or services are forming into web-based, user does not need to download, install, maintain, or update the program. This Web-based program is easy to use just by entering the web browser, type the URL or by using the alternative address verification services and goes to the website. Web-based services and software can work anywhere, on any computer you're using.

Back to the project title “Web based interactive family photo album (N-IFPA)”, it will show the Web based offline development for the family photo album that will contain a few of interactive features such as tagging photos and family active group chat. As we can see, people nowadays are not sociable with their relatives. Whenever they back to their village, they more prefer to treat their feelings by playing games and surfing for internet although they are currently with relatives in the village. Regarding to this lifestyle, family relationships are not important anymore for them and this situation will cause them to not be able to identify who’s their relative. Whereas, their own relatives pounds sometimes do not recognize each other.

By the existence of this problem, this Web based has been built to help the relatives to get to know each other by using more effective way at present that is by using the number one communication nowadays that is the internet as a major media to connect them with each other. The relatives can also enter their information about their family members and the relationship
between them and this web based will be manually update by the admin to make a new family tree to make the families know the new relative status correctly and easy.

In addition, this web based interactive family photo album is developing by using the well-known of the PHP programming language that is easier to maintain and improve in for the future use. There are a few methods that have been use to developing this Web based application. The most important method that has been use is the saving pictures and data in the online application. User need to upload the photos and the family relationship in the chat session or in the family photo galleries. Then, this Web based online family photo album will store the photos and all the information to make sure that the application does not lose their information.

The function of this offline application is, could help the newborn family to know their relatives closely by looking at their photo and relationship among them. In manual method, each of family members sometimes felt the difficulties to get to know each other among their family members. With this system architecture, it can help the family members to get the information in a proper way.

1.2 Problem Statement

Nowadays, people are not sociable with their relatives. Whenever they back to their village, they more prefer to treat their feelings by playing games and surfing for internet although they are currently with relatives in
the village. Regarding to this lifestyle, family relationships are not important anymore for them and this will cause them to not be able to identify who’s their relative. Whereas, their own relatives pounds sometimes do not recognize each other. With the Web-based online interactive family photo album (N-IFPA) created, admin aiming to gather all the family members by using this interactive and effective method.

The long distance family also can be some sort of problem to interact with other relatives. This application is the greatest way to let them to see others family member precious moments and also their relation with them all. They also can make a chat conversation with the other family members here to keep track to each other. Although, there are too many other social media that can be used to gather the family members and relatives such as Facebook, Instagram, WeChat application group, WhatsApp application group and many more, there are still some weaknesses spotted in them.

Apart of social media cannot be able to collect all of the family members because some of the family members did not know how to use all the social media. So, this will be a bit troublesome for the family members to know the older generation of the family. Then, this Web based online application family photo album was build. But, there still have the older generation that unable to use this kind of application, but the children of the old generations can help them by uploading the old generations and other family members photo and information about them for helping the younger generation and other relatives to recognized all of the family members of students, whether they are near or far.
Sometimes, it’s really hard to find and save the old photos memory and the oldies family member that still alive or have passed away. This Web based application be able to save the oldies photo and others history memory of the family members photo safely. Some other people have keep a box of old photos laying around, or old photo albums, from the time before digital cameras. Other than that, student can also scan the picture. Then, upload it in the application and other relatives can view it for personal information.

1.3 Motivation

Conventionally, the family members will not talk to each other if they not knowing each other names or faces. In order to find out their relationship between each other, they will need more time to search one by one person in the social media otherwise they need a long time to review their oldies generation memories back. However, this is troublesome for some of the family members.

Consequently, developing a Web based application or program nowadays that is free and user friendly for the admin family members really such a brilliant idea. Developing this Web based application looks exciting and a little bit challenging because it need a creative idea on developing the interface and when to adding some of the interactive function on the Web based online application to make it looks more creative. Other than that, regarding to the developing of the application, it also can help the admin in social life skills that will be cooperate the previous knowledge with the new ideas.
Other than that, admin also can make the new ideas for the future use of this Web based online application by making the application easier to use in the future by exist the new function that can make easy to port to any platform.

1.4 Objective

The objectives about this project:

i. To identify the requirements which are useful to develop a Web based application.

ii. To design a web based application that can solve admin’s problem to gather the family member photo.

iii. To develop a Web based application that used the interactive methods that are tagging photos and family active group chat.

1.5 Project Scope

The scope of this project is to develop a Web-based application of family photos album for the family members that have a few of interactive features. In order to fulfill this application requirement, this web based will be make sure that it will be functioning correctly when saving the family members information and photo. Admin need to follow up the performance of the application and the operating system when the data is stored in the
database. This application is developed for only one admin. Admin is also need to maintain the performance of the application for the work done by the Web-based to run faster.

The application focuses on how the admin can manage the application. Admin of this application need to manage the size of the image that will be stored in the database because the image itself sometime got a large size that will use more space in the database. Admin always need to make sure that the family tree is always updated because the family tree is control manually by the admin. Admin need to update the family tree because the family members can know exactly what side of them and what kind of name that they should call each other.

By the way, the family members that is the user of this application need to register and log in as a user to upload some note with the picture that like a new person from the family to make the admin more easier to update the family tree because the family tree is updated manually by admin. As a user, they also can tag anyone that they know on the family members that has been register on the Web based application. Other than that, the relatives that view this application can easily know their status in the family.

The others scope regarding to this Web based online application that also need more attention to make sure the application can be used wisely are like the security of the application that’s mean, the function on the application can only be used by an authorized people. Only the user that has been register on the Web based online application and the admin can use the function that have in the application still has a different permission. Then, this Web based online application only can be used on the platform that
have the operating system that complete install with the web server that provide MySQL (Xammp) database architecture and Hypertext Preprocessor (PHP). Besides that, this application can still be open by any Web browsers that have the internet connection.
2.1 Overview

Regarding on this chapter 2, this report will focuses on the literature view of the Web based online application that will be developed later. The meaning of her statement is like the literature review is some kind of way that will give the idea on how to build a new online application that is going to be use.

A few sections will be divided regarding to this literature review. Firstly, it will show the description of the organization and current system that used nowadays. Then, it will explain the development tool that has been use while developing this online application.
2.2 Overview Web based Offline Interactive Family Photo Album (N-IFPA)

The study of current online family photo album was conducted to archive the objective of this project. Regarding to this project, while learning about how to make a real web based online application, admin also want to build a new online family photo album specifically for her family members that will consist a few of interactive application such as tagging photos that we can see the name also appeared and the chat session with the family members. In order to differentiate this Web based application with Facebook and Picasa, admin will only approve the family members only and if the new user registered and the admin cannot trace who exactly he is, admin can remove the user from the application.

All the pictures and the relationship between the families need to be gathered for updating the family tree. By updating the family tree, the family members can know clearly their rank in the families and they can show their respect to the oldies of the family if they gathered somewhere.

Accordance with the present era, everyone has been exposed to the use of the internet to facilitate their work. About nine over ten Malaysians can use the computer nowadays. In connection with that, the decision has been made that is to gather all the relatives by making an online web based application like a “blog” by allowing the relatives to upload pictures of their family together by the caption of the relationship between them in the web base application and the pictures with the caption that has been received will be manually updated in the family tree. Besides that, they also can have
a chat session for communicate with each other by using this web base application.

By the way, the family members still need to register as a user same just like Facebook that is user need to log in first before use the application like uploading and downloading pictures, comment on the pictures and many more. The family members that do not register to the web-site, they still can view the web site, but just only the view of the family tree and few of picture that is not set as the private picture. This web site is secure and all the picture will be securely manage by the admin.

2.3 Existing system

There are many existing family photo album web site that currently used in the market with many facilities and from many of it, two of the other web site that currently more popular nowadays has been choose to be evaluate that is Facebook and Picasa. Both web sites are related to the Web based online interactive family photo album (N-IFPA).

2.3.1 Picasa Web Album

Picasa Web Albums is a service that allowed it’s user to maintain the album of their pictures, and user can browse the picture and album of others. User is also allowed to add, update, and remove pictures on their album as well as this application also have the ability to tag and comment
on photos. User can access to the public album and the photo because the album and the photo are not restricted by account. However, user must be logged in for the non-read-only access. There are two things that user need to pay more attention before using Picasa are Picasa is a web site that do not store the photos on your computer and user originally photos are never touched when user using the editor tools in Picasa.

There are a few of pros and cons in Picasa that are, as the pros, user can handling everything from sharing the photos, user can add tag to organize user photos and Picasa also have the interesting features such as the ability to create movies, montages, and screensavers. But, for the cons, the facial recognition is still limited.

Figure 2.1: Page for registration

Figure 2.2: Tag the picture in Picasa
2.3.2 Facebook Photo Album

As we can see nowadays, Facebook was the most revolutionary social media site. As well as that, the Facebook photo album also have a lot of interesting thing in it like the new one that is the automatic face detection including the person name. Every day, peoples are taking many pictures and it still can be call as a crime to not share it with the world. But, there is no one pays attention to organizing all the pictures or making a Photo backup except only one side that is Facebook. Facebook has emerged as great way of sharing picture with anybody. As the result, Facebook emerged as an alternative place for user to storing their photos and organizing them into album. The album can be accessed and view from anywhere.

While using Facebook photo album, user can learn many new things in it, not only by viewing the photos, student also might able to uploading, downloading, sharing and also tagging the photos. Face recognition and tagging process is the most interesting things in Facebook. Because photos are such an important part of Facebook, the developer we want to be sure that user knows exactly how tag suggestions work. When user is uploading new photos, developer use face recognition software that similar to many photo editing tools that to match the user new photos to other photos that user were tagged in. But Facebook also comes with the pros and cons.

Here are some advantages and disadvantages of Facebook as a photo organizing and storing site. The advantages of photo organizing and storing side for Facebook are likes the photos are easy to share by anyone just by click and upload into Facebook and then the photos can be view by the whole world. Facebook also was the perfect places for low resolution
photos; it has an unlimited storage that no needs to pay and user can make a backup for their photos.

Then, the disadvantages of Facebook photos album are the downsizing of the photos and there is no editing tools in the photo album. When we talk about the downsizing photos, Facebook biggest advantages is the downsizing of the photos. User can see that the high resolution photo is uploading, but the truth is, Facebook has reduces the size and resolution of the photo up to 80%. The photos will look fine in reality but the original photos is lost. Other than that, the second cons of Facebook photo album is Facebook do not have editing tool like crop photo, adjust contrast and the brightness while uploading the photos.

Figure 2.3: Step to upload the image on Facebook.

Figure 2.4: How tagging process occurs
2.4 **Comparison of Existing System**

Table 2.1: Comparison between existing website photo album

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<thead>
<tr>
<th></th>
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<th>Facebook</th>
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<tr>
<td><strong>System Access</strong></td>
<td>a) Users can access by sign in by Google account.</td>
<td>a) Do not use the help of web browser such as Google account or yahoo account. Use the Facebook account itself.</td>
</tr>
<tr>
<td><strong>Level of media site</strong></td>
<td>a) Not too famous like Facebook</td>
<td>a) Most revolutionary social media site</td>
</tr>
<tr>
<td></td>
<td>a) User can handling everything from sharing the photos</td>
<td>a) Perfect places for low resolution photos</td>
</tr>
<tr>
<td></td>
<td>b) Ability to create movies, montages, and screensavers</td>
<td>b) Unlimited storage</td>
</tr>
<tr>
<td></td>
<td>c) Can be access with any condition of internet speed or quantity of users.</td>
<td>c) The access can be control and no problem with the quantity of the users.</td>
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