

# Online Multimedia Systems of Golden Key Integrated School of St. Joseph

## **Johara M. Alied**

San Miguel Batangas City  
Lyceum of the Philippines University  
09093806103  
johara.aliel@lpubatangas.edu.ph

## **Karen Nicole C. De Guzman**

Diversion Road Bolbok Batangas City  
Lyceum of the Philippines University  
740-7658/09278338418  
karennicole.deguzman@lpubatangas.edu.ph

## **Bea L. Balmes**

Kumintang Ibaba Batangas City  
Lyceum of the Philippines University  
09972064124  
bhea.balmes@lpubatangas.edu.ph

## **Janine R. Obligar**

Kumintang Ibaba Batangas City  
Lyceum of the Philippines University  
09169739094  
janine.obligar@lpubatangas.edu.ph

## **1.0 INTRODUCTION**

The Golden Key Integrated School of St. Joseph in San Jose Batangas City became operational in 2012. As an institution, it is important that a website is in place so that the school's mission and vision, as well as other important information intended for public audience will be made available.

Many schools invest resources in Information Communication Technologies (ICTs), Internet is used as a medium for promoting the facilities of the school.[11]. School websites are providing information for the school.

With the new advent of technology, the proponents envisioned constructing a multimedia system that will not only help Golden Key

disseminate information easily, but will provide creative learning for kids enrolled. The proposed multimedia system will contain information that will showcase the school: the Vision and Mission, Calendar of Activities, School Offerings and Kids Corner. The Kids Corner will contain Nursery Rhymes for kids to watch and listen to, Children's Activities and a Compilation of Fables and Fairy Tales.

The system has an admin account for the purpose of updating the contents of the website.

## **1.1 Objectives of the Study**

This study aimed to:

1. develop an Online Multimedia System for Golden Key Integrated School of St. Joseph.
2. use of My SQL, Sublime text, PHP, HTML5, CSS3, JavaScript, XAMPP Software, Adobe Flash Professional, Adobe Premiere Professional CC and APACHE in the development of the online multimedia system.
3. provide online information about the school with interactive learning tool for the Golden Key.

## 2.0 LITERATURE REVIEW

### **Multimedia**

Multimedia have many effects and changes in our generation. It changes the how we teach and learn, with the use of multimedia we can easily communicate and do things effectively [7].

For Neo and Neo (2000), Students see multimedia as a learning tool to acquire knowledge [12]. Different learning methodologies and multimedia elements are used for learning [3]. According to Van den Brink et al. (2000) teachers use multimedia elements in their teaching. The students need the help of

the teachers. Learning with the use of multimedia is different from the traditional classroom setting.

According to Li, Tsai and Tsai (2008) Multimedia is used in technical and vocational education. Multimedia is used by teachers in educational purposes [8]. Norton and Hathaway (2008) noted that the students develop their knowledge on the experience they learn in their subjects .It is beneficial to improve the multimedia applications. The animation and colorful images helps the students to easily memorize and store in their mind. It can increase their learning capacity [14]. Rolfe and Gray (2011) pointed out that the advent of new technology has meant that traditional approaches have needed to move to include advanced technology, such as multimedia, which has enhanced methodologies for learning. The use of multimedia for processes of teaching and learning has become a significant part of modern educational technology [15]. Finally, Gilakjani (2012) identified three motivations for using multimedia applications: to raise the interest level, to elevate short-term memory to long-term memory and to increase the understanding of a particular subject.

They are many learning methods can be used for different students.[5]

### **Multimedia as Web Content**

Multimedia has been proven able to give benefits to the audience in terms of stimulating the learning process and retaining the information delivered to the user [9]. Multimedia also show to give highest rate of information retention and make the learning time shorter [1]. In addition multimedia can raise interest level, enhance understanding and increase memory ability to the audience [6]. For example in the process of delivering knowledge to the audience and receiving and churning knowledge by the audience, multimedia can helps presenter to present information in multiple media, interactive manner and in a multi sensory environment.

Began in 1989, the web was not invented with multimedia in mind but just simple method for delivering text document formatted in HTML [21]. However by 1995, web was occupied information highway with pictures and words. The vehicle for a global information highway is content and the web content is the motivation of the users to use the web. Content is a component in the web. If the

content doesn't have the needed information of the user, the web doesn't have a purpose eventhough it is easy to use.

Web in the early time just seen the web content comprises of text but by the time pass by the usage of multimedia elements to represent the message and information on web increased. As users notice, plain text and graphic no longer enough for the web content nowadays.

### **Interactivity and Website Performance**

Interactivity is a feature not found in the traditional media. (Tse, A. C. B., & Chan, C.-F. (2004) [19]. Stewart and Pavlou (2002) differentiate the characteristics of internet in traditional media and has its potential for interactivity. Yet, different scholars have definitions of interactivity [17]. For example, Deighton (1996) defines interactivity as the ability to address an individual and the ability to gather and remember the response of that individual [4]. Anderson (1996) clarifies the concept of interactivity by listing its five characteristics comprising multiple information flow, message availability on-demand, immediacy of feedback, message perceived to be intelligent and

responsive, and content customization by users rather than senders [2].

On the other hand, Liu, Y., & Shrum, L. J. (2002) defined interactivity as communication between parties can act on each other, on the communication medium and on the messages and the degree to which such influence [9].

The researchers, therefore wanted to incorporate multimedia in developing an interactive website that will promote Golden Key Integrated School of St Joseph.

### **3.0 METHODS**

The web development life cycle (WDLC) is very similar to the system's development life cycle (SDLC) and must be iteratively undertaken from the customers' or users' perspective (Consistent with JAD) the customer center WDLC includes the following phases: (1) Analysis (2) Design (3)Implementation (4) Testing (5) Maintenance. In planning for this study, the researchers rendered ideas and suggestions, after discussing each suggestion, the group chose one topic after the approval of the adviser. The researchers created a proposal for the dean of the college. The researchers

decided to make the Golden Key Integrated School of St. Joseph in San Jose. The researchers will use applications such as the Sublime Text, My SQL and JavaScript for editing and enhancement. The world wide web is big in designing and developing this online multimedia system. The proponent visited other sites for the verification of what were needed to enhance and develop. To have a systematic flow of the study flowcharting was also used. Flowcharting is one of the computers world traditional methods for expressing and documenting a programs logical design. it has been found to be quite reliable in fulfilling this objective.

### **JAVASCRIPT**

JavaScript is used for validation handles the document object of the browser. Use to add client-side behavior to HTML pages. Add animation to the page. JavaScript loads new images or scripts into the webpage without needing to reload the entire page

### **MY SQL**

A database storage where you can create data, retrieve update and delete. Use in accessing, adding , managing content in the database.

## **PHP**

It is designed for a worldwide web to manage the server side workload. It is also the background of the web and used in front end.

## **CSS3**

Adjust the style and design for html, like color background of some images and its font style. It is used for background, buttons, text effect, animation, images, gallery and transitions.

## **HTML5**

A new version of a markup language making content for a worldwide web translated from code to a website by a browser. It is used in enhancing the website. It is used to ability to edit text.

## **ADOBE FLASH PROFESSIONAL**

It is use for doing animation in many years it is more enrollment to use and provides tools to help in our animation.

## **ADOBE PREMIERE PRO CC**

It is a software that Adobe Photoshop produce to make videos with some kind of effects. It is used to the video with effects.

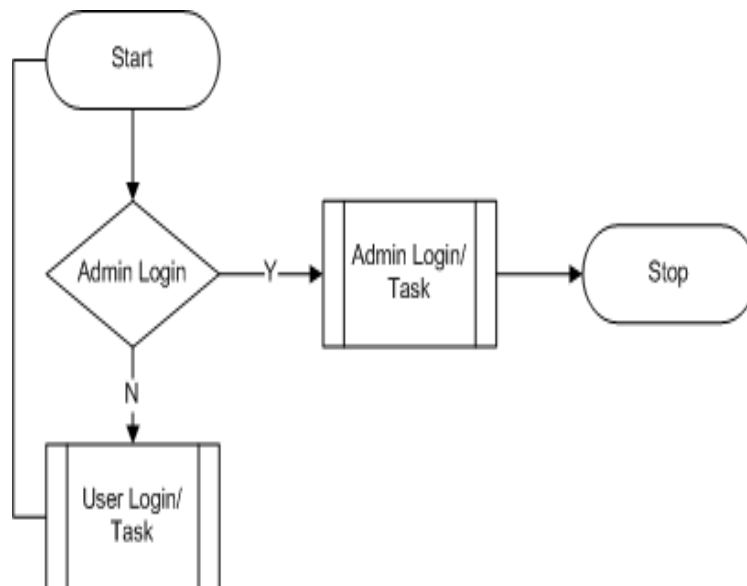
## **APACHE**

It is a software, released under the terms of Apache 2.0. Apache is developed and maintained by an open community of developers under the auspices of the Apache Foundation.

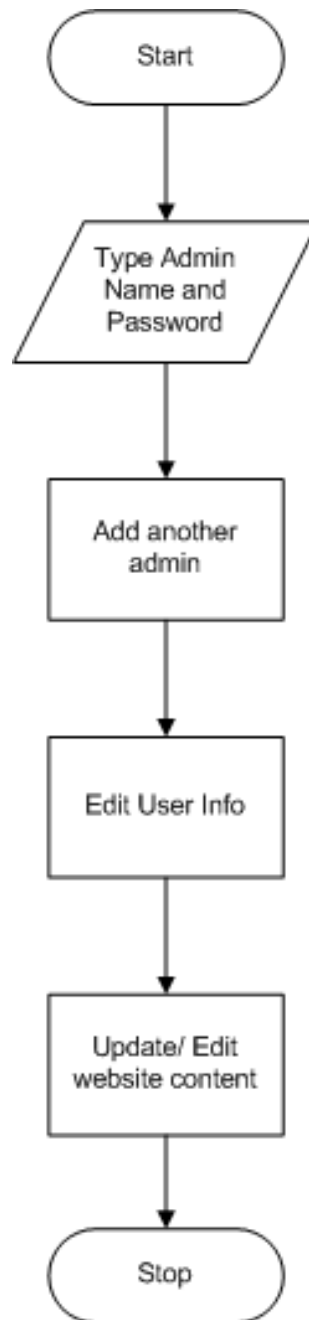
## **XAMPP SOFTWARE**

XAMPP is a software for apache distribution, My SQL and PHP. It is use to run your own web server.

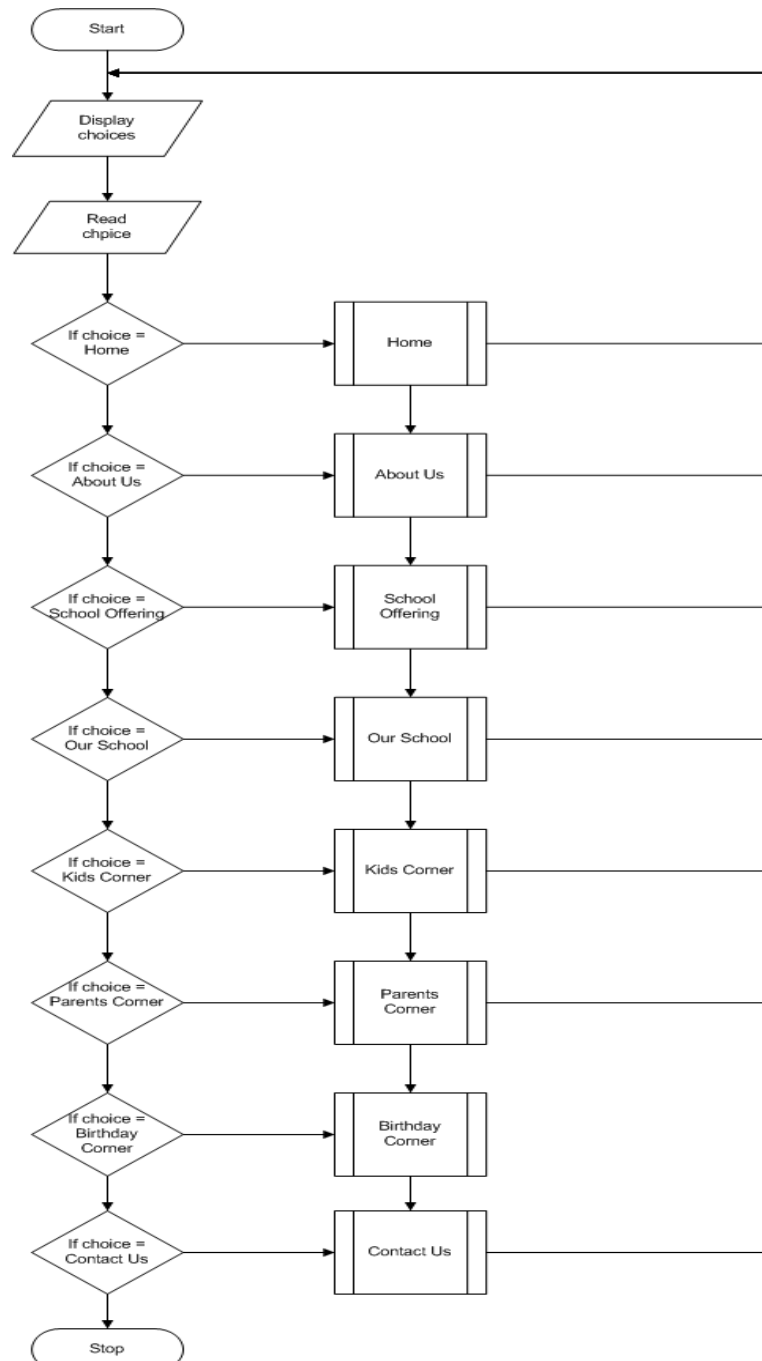
## Flowcharts



**Figure 1: Admin and User**

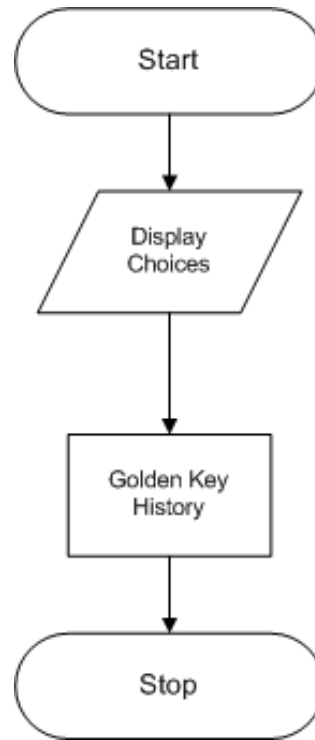


**Figure 2: Admin Login**

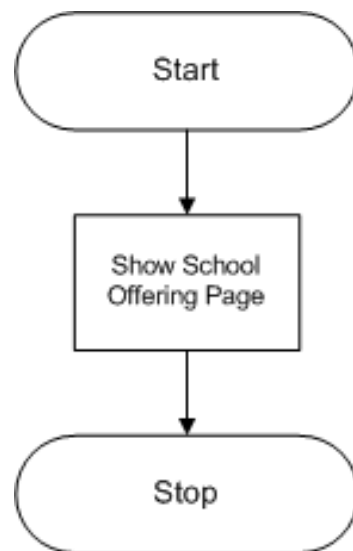


**Figure 3: User Task (Students Parents and others)**

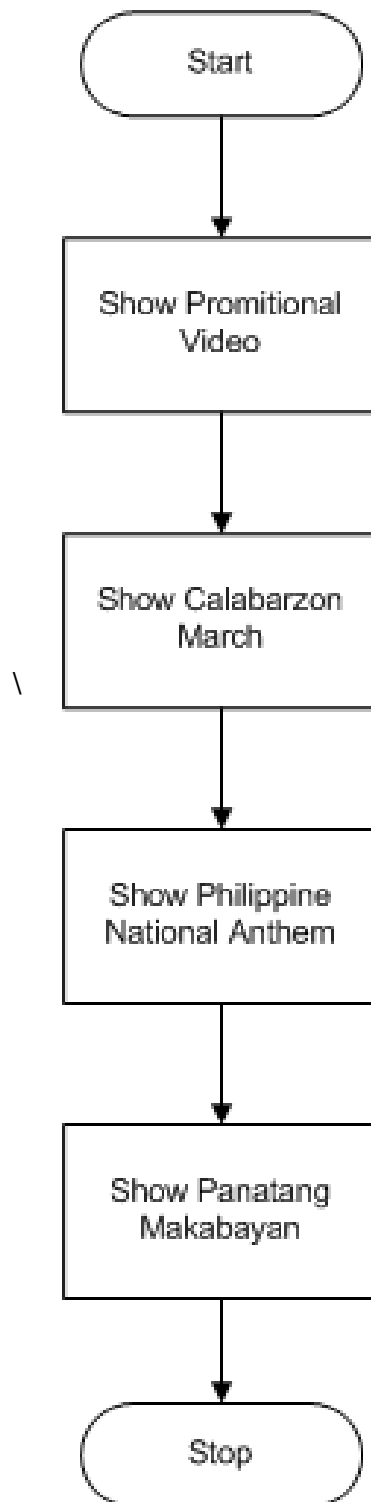




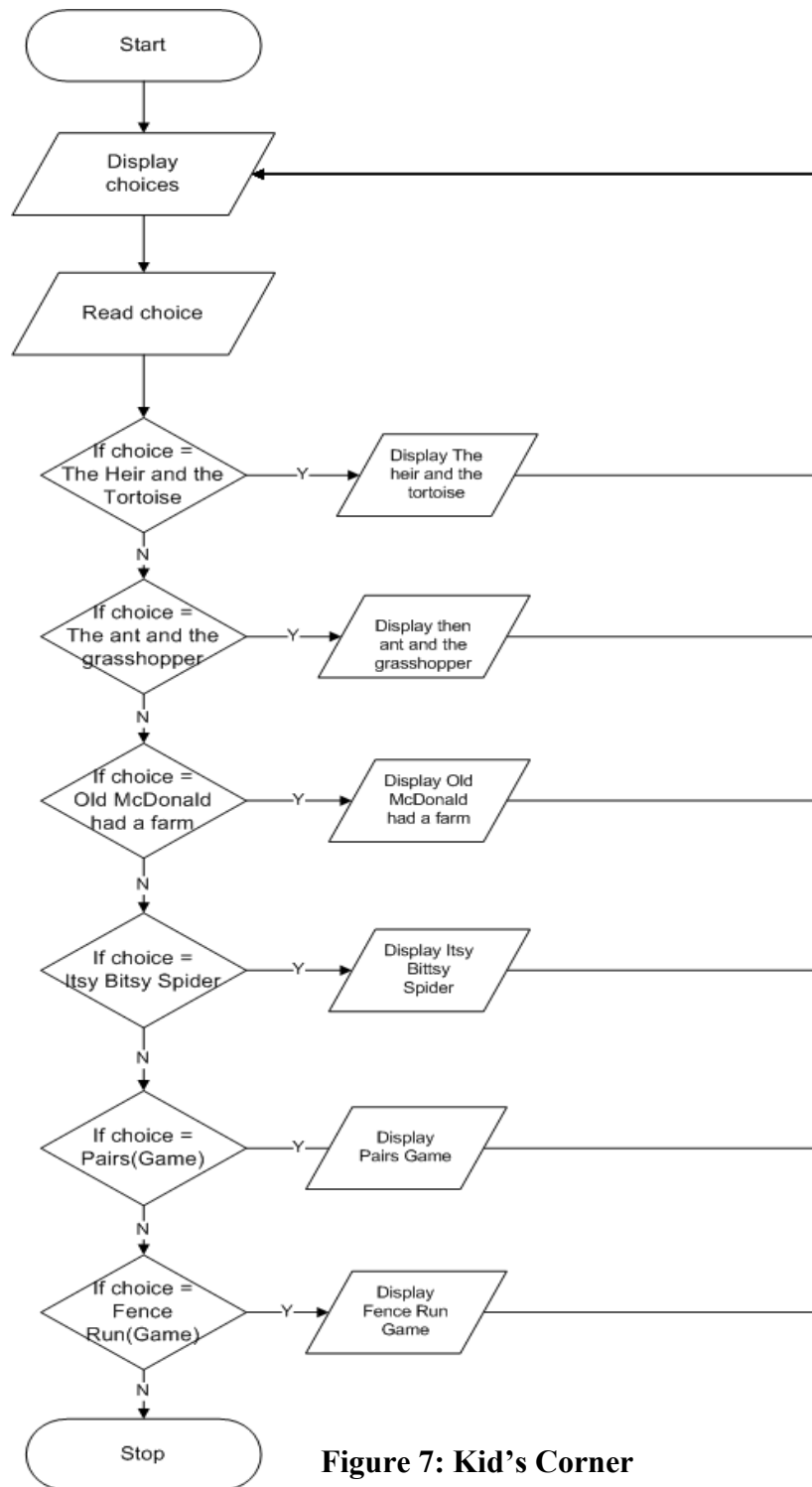
**Figure 4: About Us**



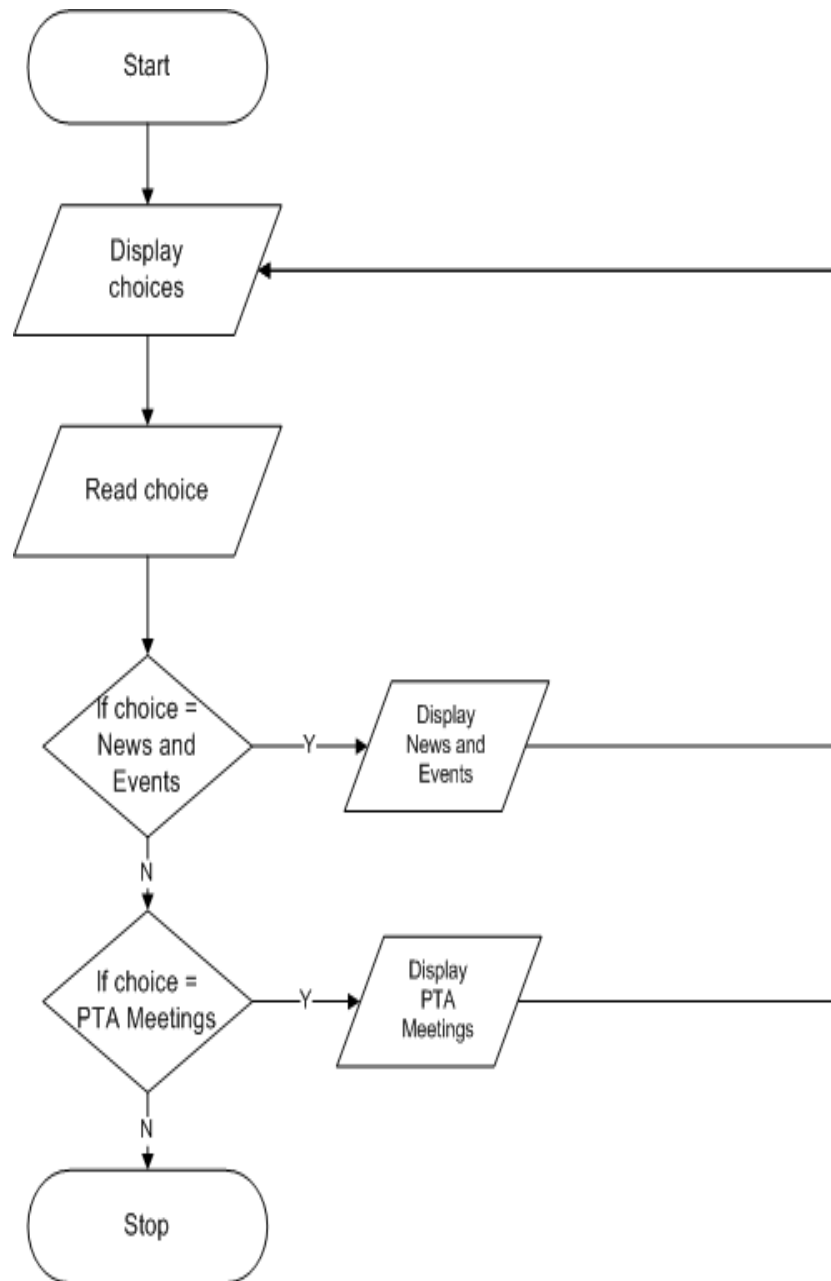
**Figure 5: School Offering**



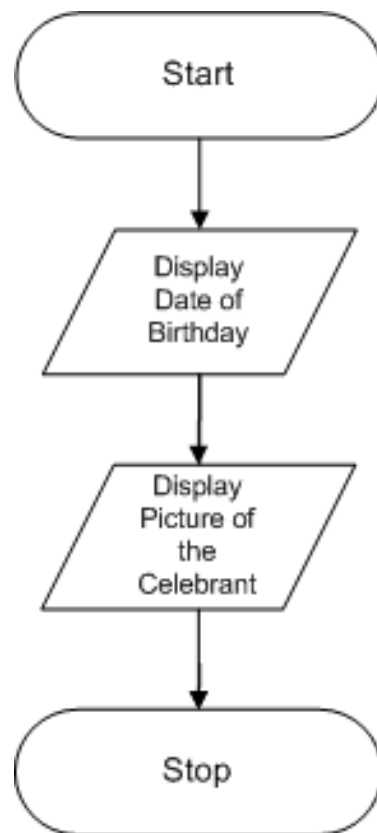
**Figure 6: Our School**



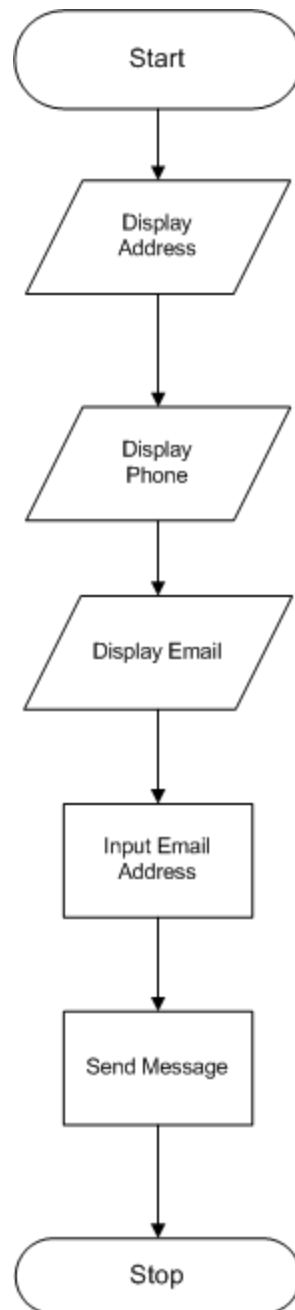
**Figure 7: Kid's Corner**



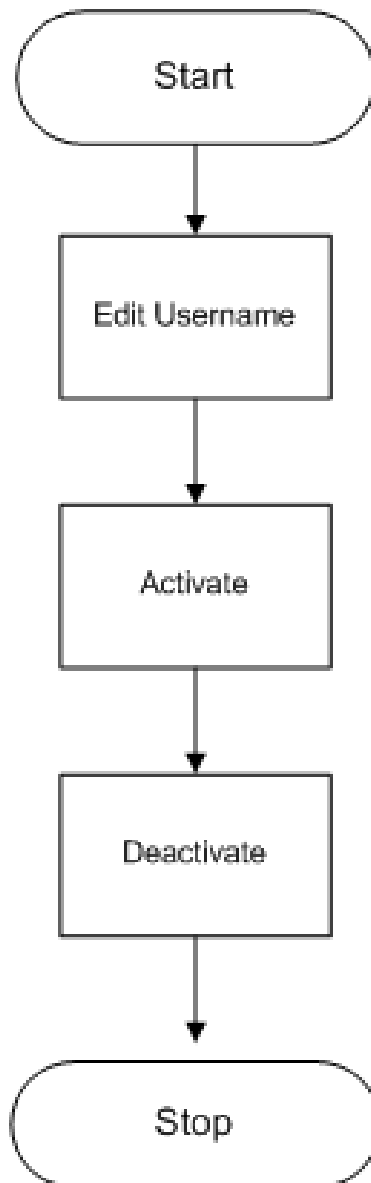
**Figure 8: Parent's Corner**



**Figure 9: Birthday Corner**

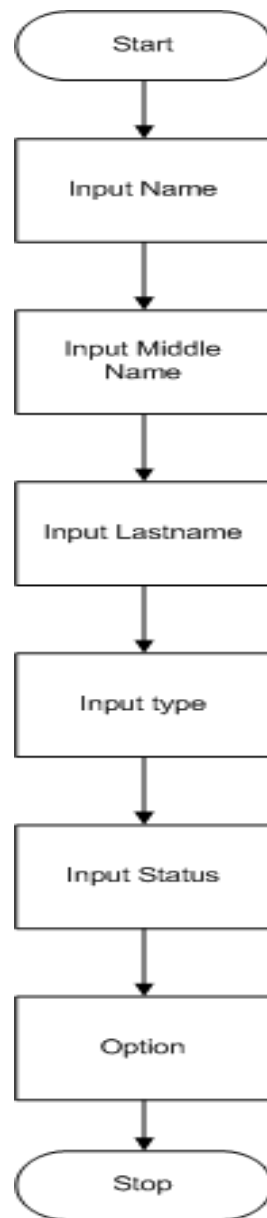


**Figure 10: Contact Us**

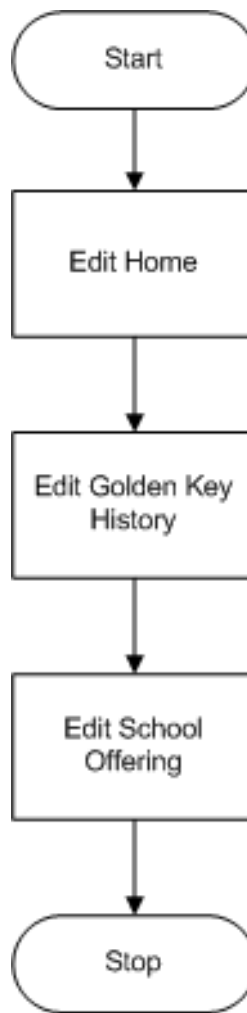


**Figure 11: Users**





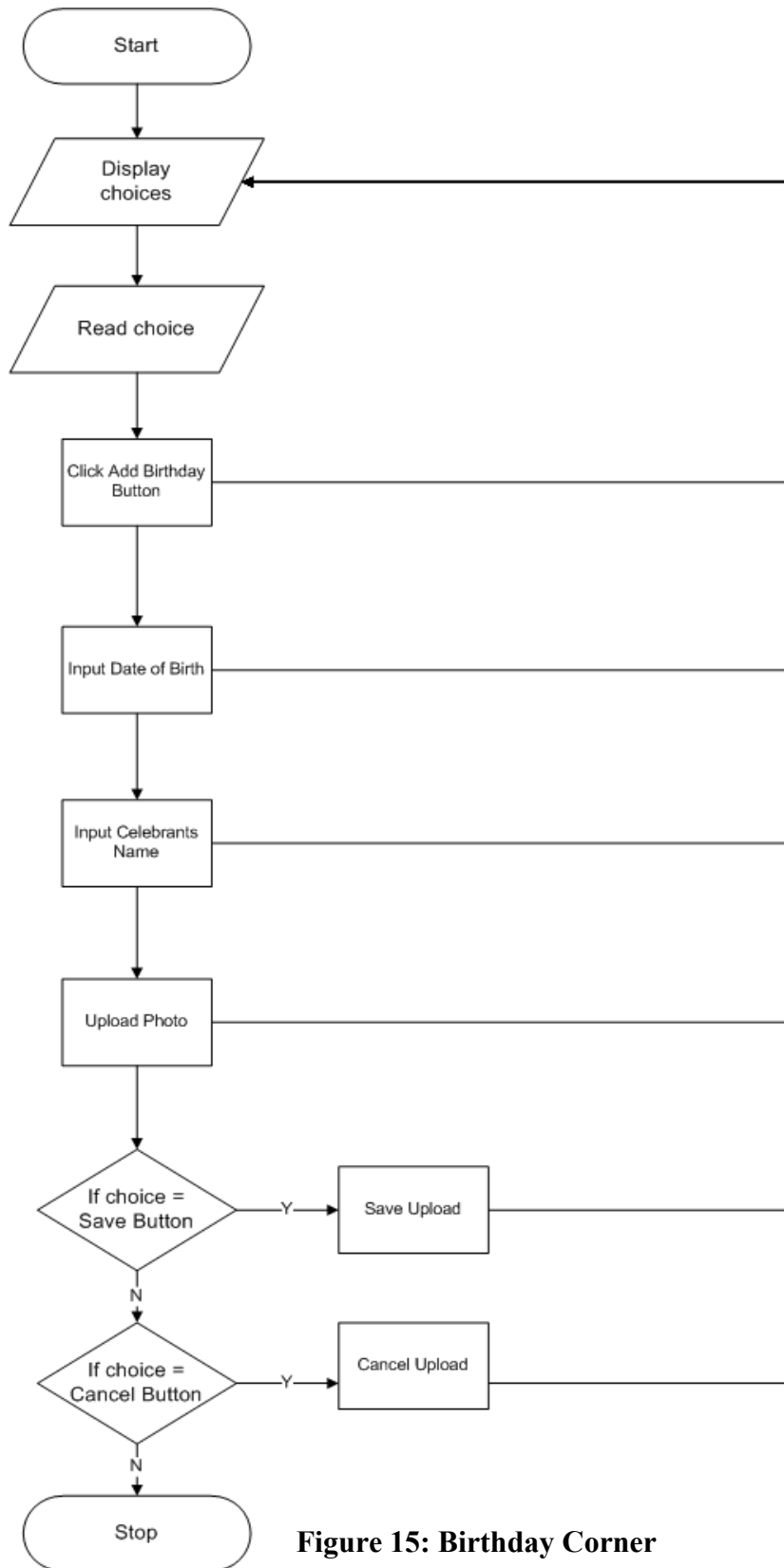
**Figure 12: Add User**



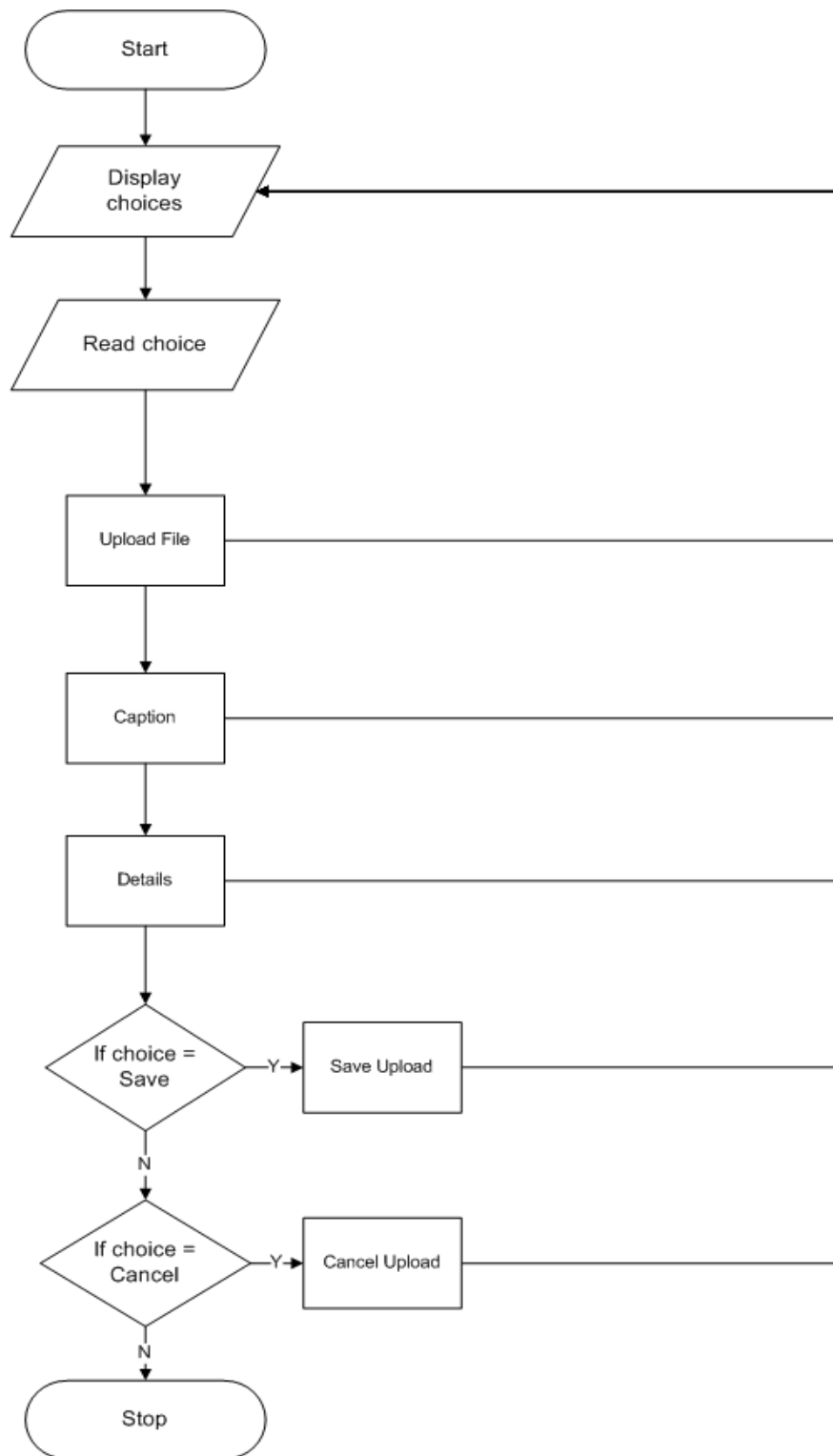
**Figure 13: Pages**



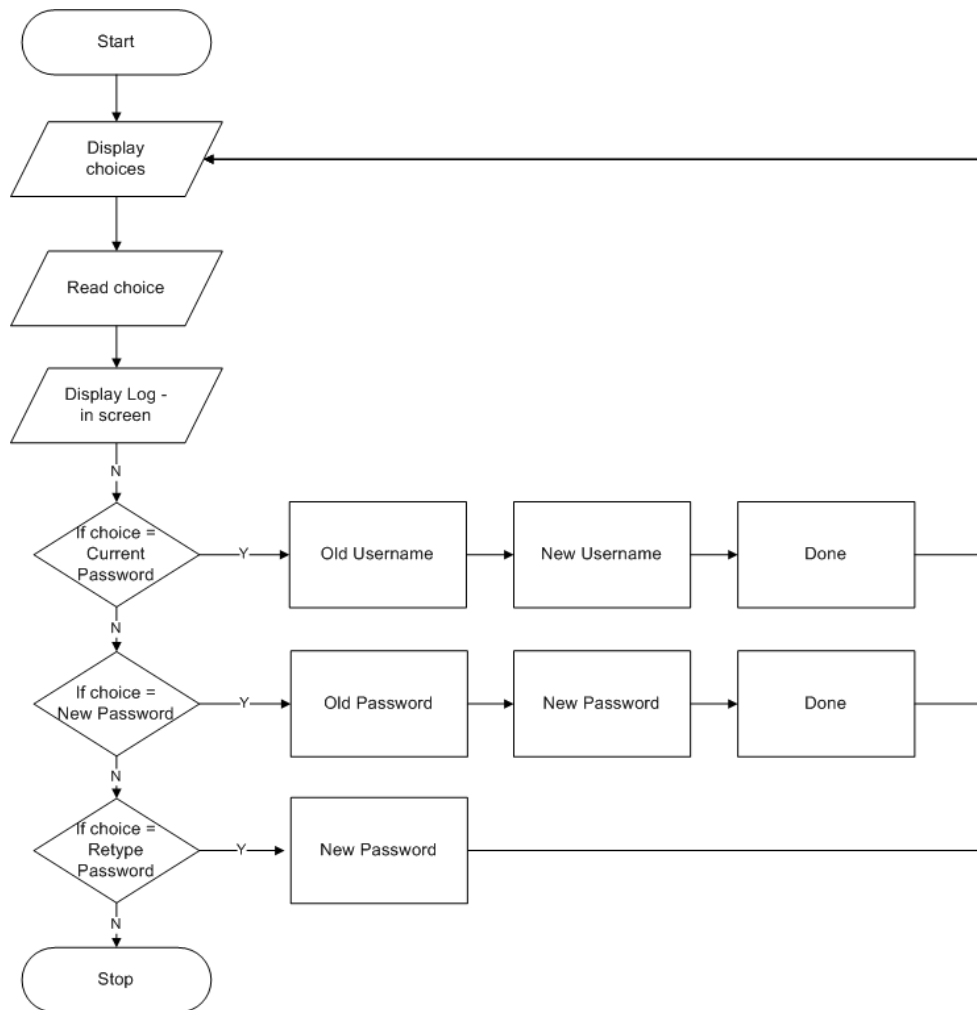
**Figure 14: Parent's Corner Admin**



**Figure 15: Birthday Corner**



**Figure 16: Carousel**



**Figure 17: Change Password and Username**

## 4.0 DISCUSSIONS

### Screen Layout



**Figure 18: Home**

The Home Page is the main screen in the website . It has pictures of Golden Key



**Figure 19: About Us**

The About Us page has the Philosophy of the school , Mission and Vision and Core Values



**Figure 20: School Offering**

The School Offering page contains the school offer. It also has pictures of the school



**Figure 21: Our School**

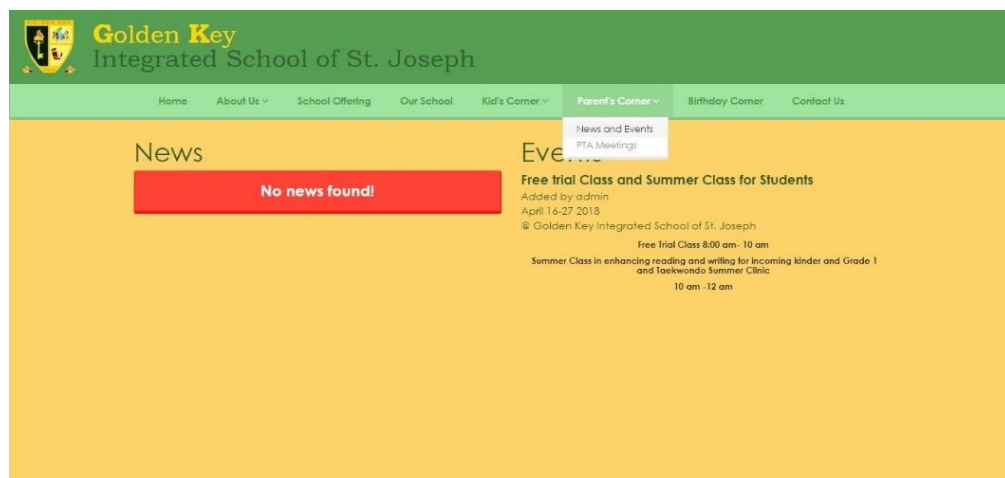
The Our School page has videos of the school the Promotional Video, Philippine National Anthem, Calabarzon March and Panatang Makabayan





**Figure 22: Kid's Corner**

The Kid's Corner page has animations that the kids can watch, fence game and pairs game. It contains the Heir and Tortoise , The Ant and The Grasshopper, Old Mcdonald had a farm and Its Bitsy Spider.



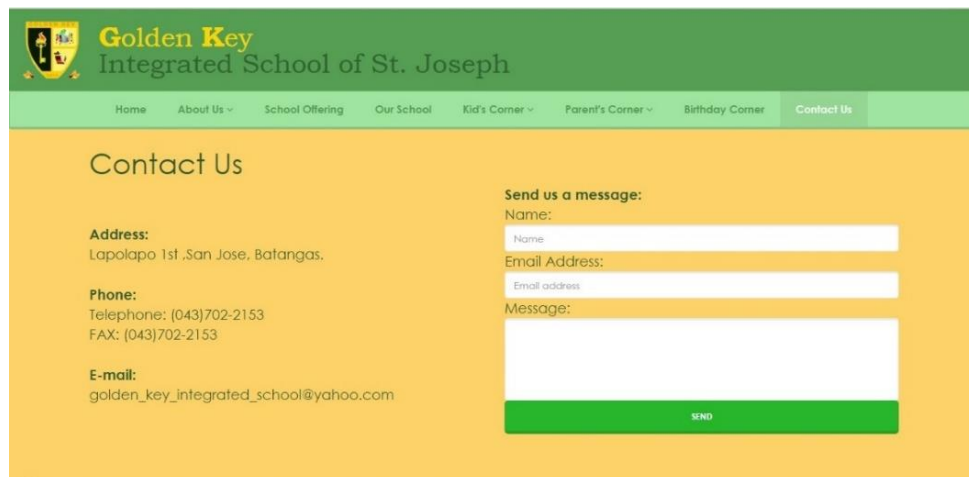
**Figure 23: Parent's Corner**

In Parent's Corner page the administrator can edit and add News, Events and PTA Meetings.



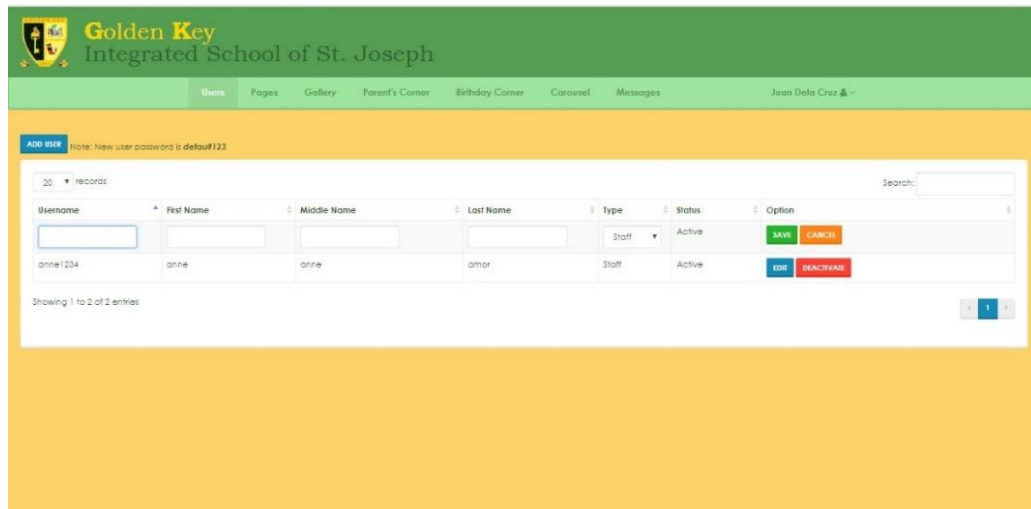
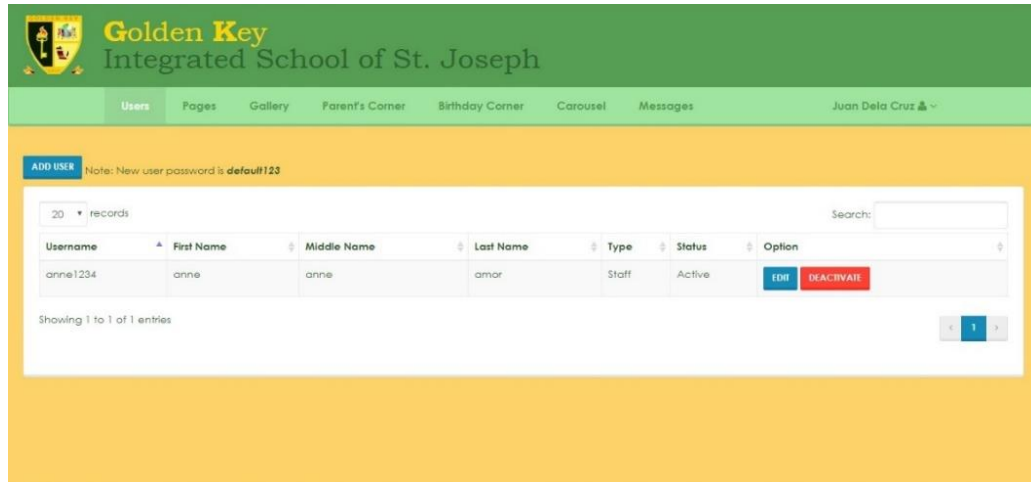
**Figure 25: Contact Us**

The Contact Us page has address , phone , email and also can send message.



**Figure 24: Birthday Corner**

The Birthday Corner page contains the celebrants name, celebrants picture and date of birth .

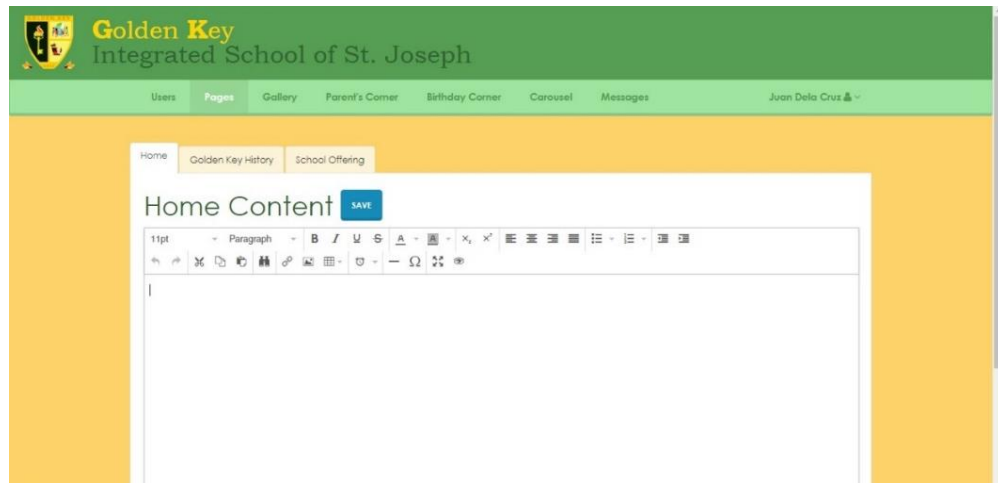


**Figure 26: Users**

In the Users page appeared the username , firstname,middlename, lastname, ,status and there is an option button that you can edit and deactivate the user. It also has the add user button.

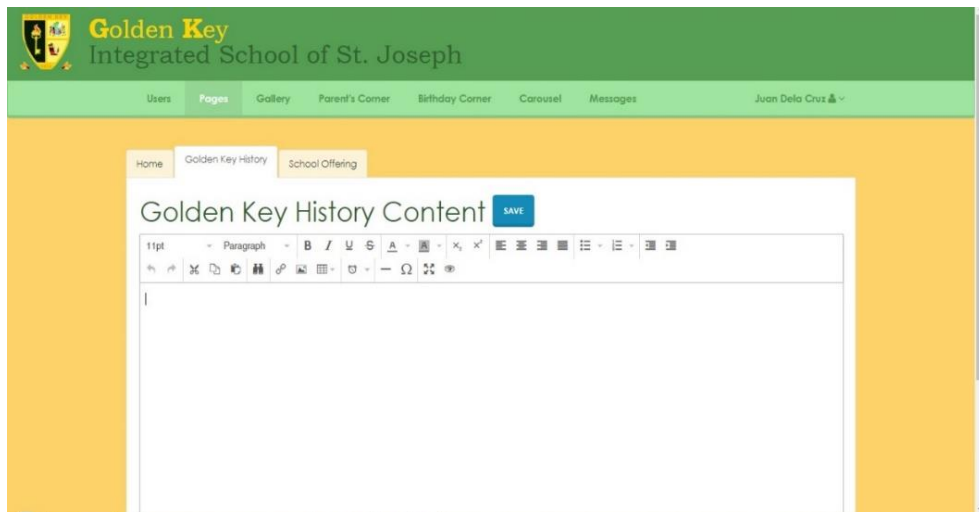
**Figure 27: Add User**

In the Add User page the administrator can add the username, firstname, middle name,last name, type, status and there is also an option that the administrator can save , cancel , edit and deactivate users.



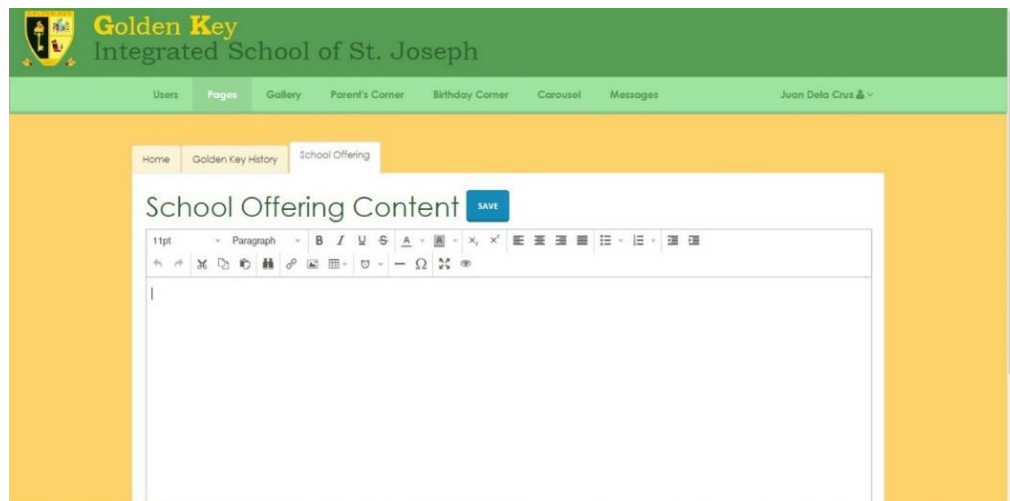
**Figure 28: Edit Home**

The administrator can edit and save the content that will appear in the home page.



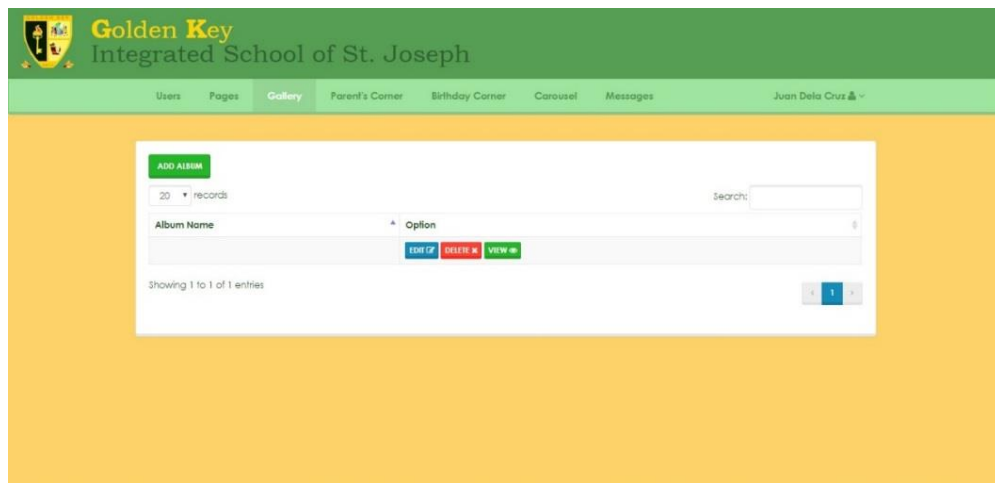
**Figure 29: Edit Golden Key History**

The administrator can edit and save the history of Golden Key .



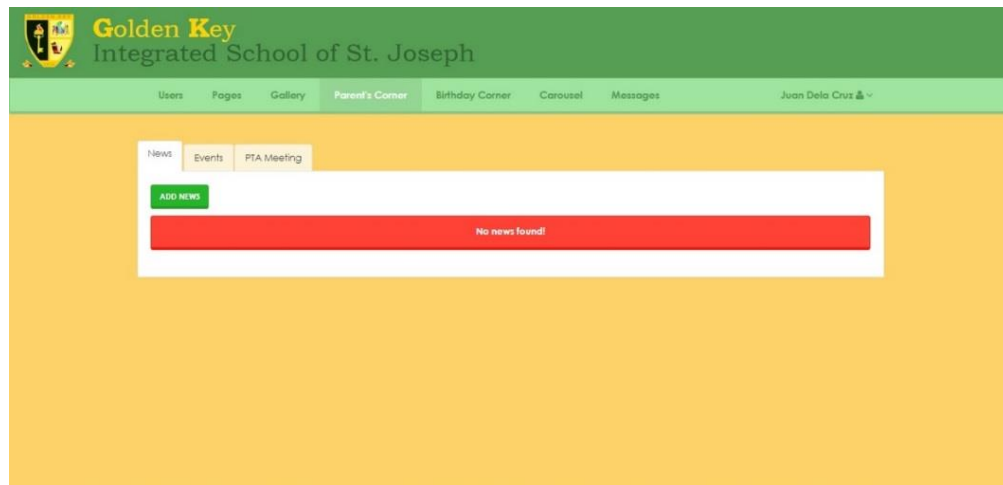
**Figure 30: Edit School Offering**

The administrator can edit and save the content that will appear in the School Offering page.



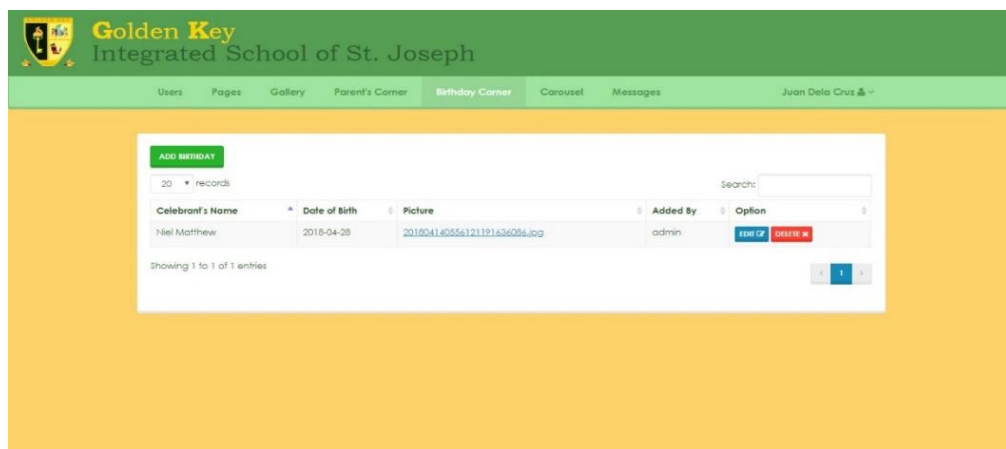
**Figure 31: Gallery (Add Album)**

The administrator can add album, edit , delete and view pictures .



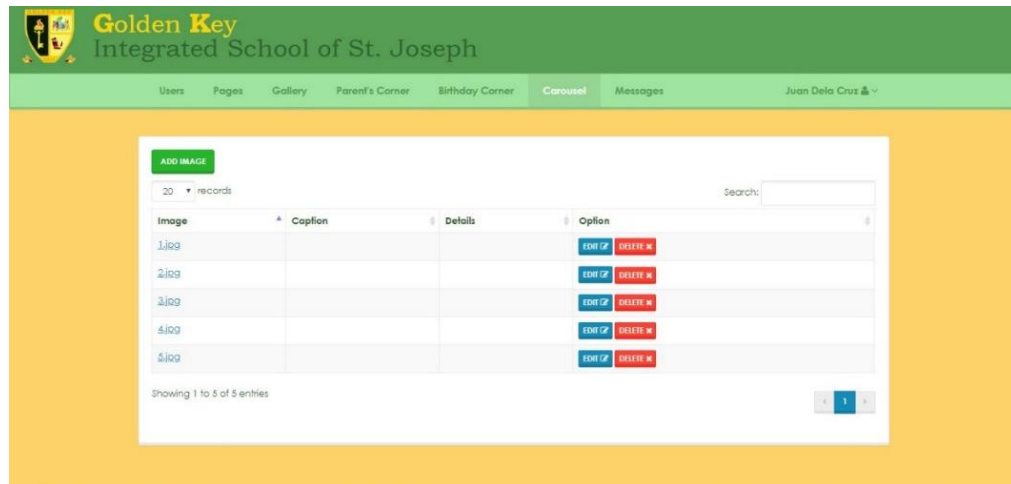
**Figure 32: Parent's Corner Admin**

The administrator can post News, Events and PTA Meeting announcements.



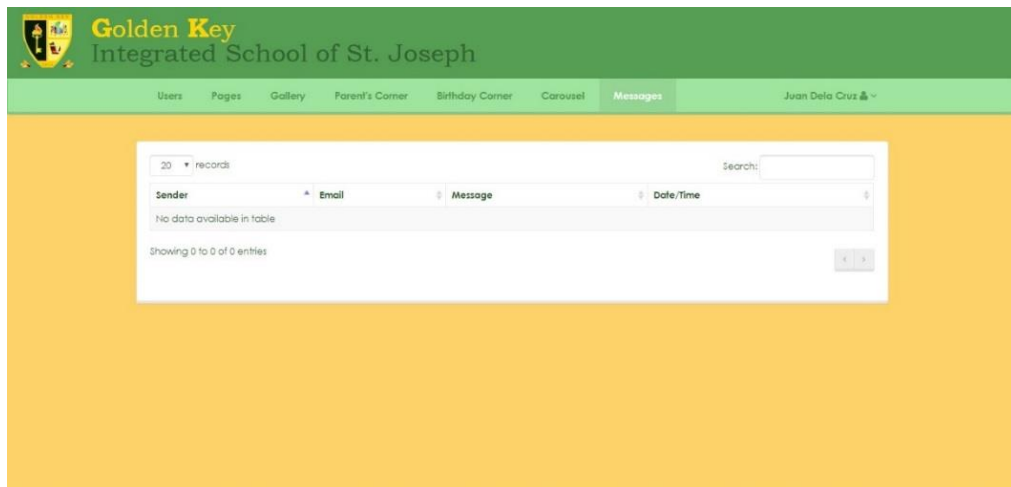
**Figure 33: Birthday Corner Admin**

The administrator can add picture of the birthday celebrant, name and birth date.



**Figure 34: Carousel**

The administrator can add pictures and there is an edit and delete button to delete and edit the pictures. The pictures appear in the Home page.



**Figure 35: Messages**

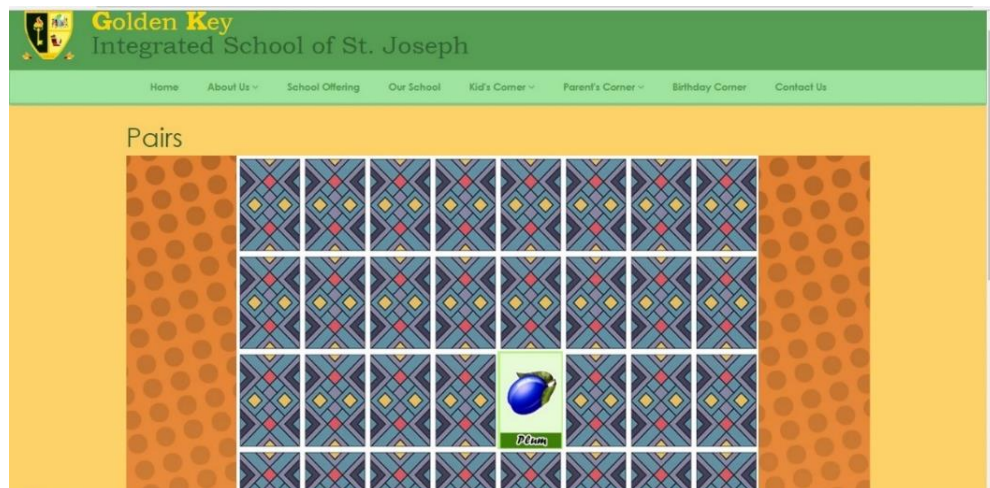
The administrator can see the messages sent by others in the webpage.



**Figure 36 : The Fence Run Game**

The Fence Run Game is a game for kids that they can play . Press the up arrow key to play.

**5.0**



**Figure 37 : The Pairs Game**

The Pairs Game is played by matching the pair of cards.



## **SUMMARY, CONCLUSIONS AND RECOMMENDATION**

### **5.1 Summary**

The Online Multimedia System of Golden Key Integrated School of St. Joseph is a system that has the Home, About Us, Contact us, Birthday Corner, Kids Corner and Parent's Corner. The Kid's Corner contains the Nursery Rhymes, Fables, Fairytales and Educational games. The Kid's Corner contains videos and animation that the kids can watch. The Parents Corner contains the notification page where the parents will know if there is PTA meetings and News and Events. There is also Our School Page that contains Promotional Video, Philippine National Anthem, Calabarzon March, Panatang Makabayan. The Birthday Corner contains the birthday celebrants each month. It has the image of the birthday celebrant and caption

### **5.2 Conclusion**

- After the completion of this study, the researchers were able to develop the Online Multimedia System for Golden Key Integrated School of St. Joseph.
- The website will promote the school and will increase its enrollees

- In testing, the site and by login the admin.

### **5.3. Recommendation**

To the future researchers would like to recommend this process for those schools who want to promote their school.

To the researchers this study can be a reference for other future researchers in developing the website. The researchers recommend the project to the future researchers to add a login page for the students and teachers so they can also post in the website.

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