PARTY NEEDS AND SERVICES: AN ONLINE ORDERING SYSTEM WITH SMS NOTIFICATION

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Abstract: We all know that today in our current generation we were facing a technological advancement in the different field of our industries. That's why a lot of Schools, Companies, and Businesses who is our top beneficiaries of this integrated technologies aimed to achieve different kinds of advanced systems to improve the old ways of their method of processing and management. Businesses were trying to connect to the internet to promote their products and services by creating online marketing techniques that nowadays trend. Online Ordering System and can handle the online inquiry. However, we decided to upgrade and include SMS Notification that provides information and status of their transaction since the use of cell phone and Internet are nowadays trend.

Keywords: Services; Online; Ordering System; SMS Notification; Mobile Phone

1. INTRODUCTION

Numerous organizations have sites that enable individuals to lead business "online." This is a field that all specialists say will develop and advance enormously in the years to come. This instrument/medium enables a shopper to take in more about his request before he goes out to buy it. The web has made another biological, financial system, the web-based business commercial center, and it has turned into the virtual principle road of the world. Giving a quick and helpful method for trading products and enterprises both territorially and all around internet business has blasted. Thirty-two years prior you could never have thought of requesting on the web, yet today, with current scripting and programming dialects, you can do that. These days, internet business is beneficial since it gives any focal points, for example, speedy procedures, virtual installment and better tie the board. Certain organizations work exclusively through the web. .

Jayr and Olivia Balloons and Party Needs wanted to have an Online Ordering System with SMS Notification that can be used on their daily basis transaction. They had a manual recording and process such as inquiry, ordering, and payment transaction. They only use logbook, notebook, and whiteboard on their daily transaction. Because of manual recording, the owner is having a hard time recording the information, details, and order. The customer is not notified ahead of time regarding the status of their order unless the customer will ask the owner. Another problem was they had a lot of call for the inquiry and transaction every day.

This study aims to create a project that can satisfy their requirement with regards to Online Ordering System and can handle the online inquiry. However, we decided to upgrade and include SMS Notification that provides information and status of their transaction since the use of cell phone and Internet are nowadays trend.

Online Ordering System with SMS notification can be a big help to their success and progress in terms of nowadays competition in the market. This system contains

web pages that usually promote the products and services of the said business.

The main purpose of this study is to provide the easiest way of an online transaction to the customer and to the owner. To design and create a system that can help Jayr and Olivia Balloons and Party Needs to promote their quality products and services and to advance with the competition in the market.
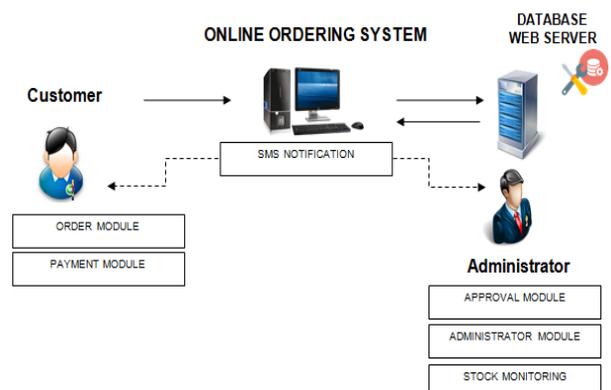
1.1 DESIGN OF THE STUDY

Figure 1 System Architecture

In this stage, the system architecture is presented. The figures show all components and flow of Online Ordering System with SMS Notification. The main users of this application are the customer and the owner or administrator. Once the customer made an order it will notify the owner. The system will send SMS Notification to the owner. Then the owner will approve the order. The system will send SMS Notification to the customer regarding the status of their transaction.

The administrator is the one who can access all files in the system and maintain the website. Computer Desktop is used as the main hardware to apply the application while the SMS will notify the owner if there was an order or payment has been made.

2. LITERATURE SURVEY

According to the Authors, for this system [1] is to remind customers that the transaction they made was fully acknowledged and recognized by the owner. Not only the business and the owner would benefit by this proposed project also the customers because it would be easy for them to browse the website at their home or near at their location

According to the Authors, to develop this Online Ordering System with SMS Notification [2] is to have an expanded knowledge about this kind of research and to improve their skills in making an advance system that they can use in the future.

According to the Authors, for this system [3] is to provide quality products and best services as part of their working principle and their vision is to build a good and lasting relationship with their valued customers.
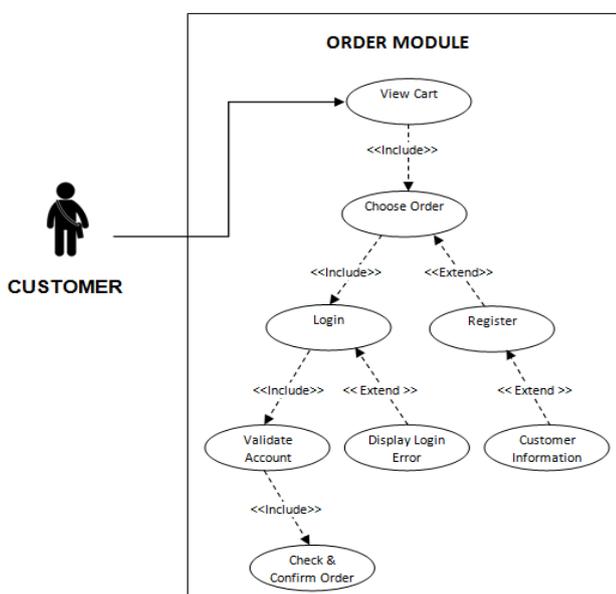
2.1 USE CASE DIAGRAM

Figure 2 Order Module

The customer will choose the products and packages their going to purchase. The system will summarize the order. The customer needs to login to finalized his/her order. The system will send the password of their account thru SMS notification to check and verify the correct cell phone number of the customer. However, for the new customer, they need to register first before proceeding to the next transaction and input the necessary data on the Customer Information.
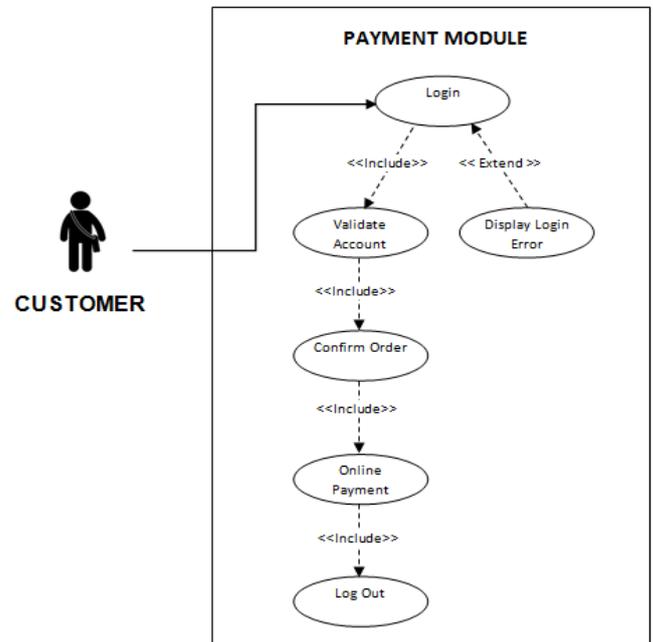

Figure 3 Payment Module

The customer will log in to check and finalized his/her order to proceed on the online payment transaction. The system will validate the account information of the customer. Once the validation is completed the customer can now do online payment transaction.

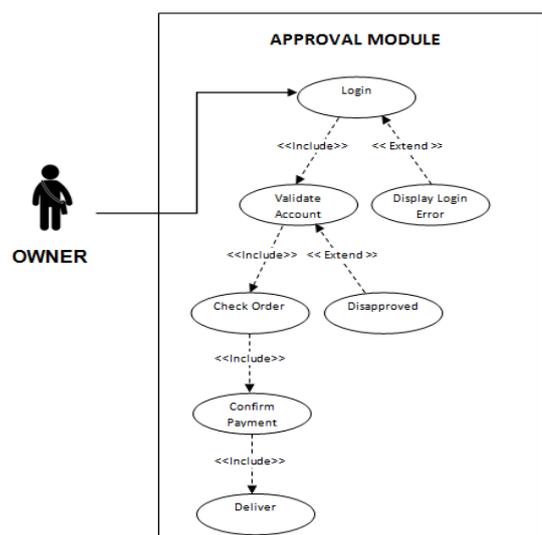The system will notify the owner thru SMS Notification for the order and payment done by the customer.

Figure 4 Approval Module

The owner will log in to validate the username and password for security purposes. If the username and password are correct the owner can now check the order and confirm the payment done by the customer. The system will send the confirmation of order via SMS notification to the Customer.
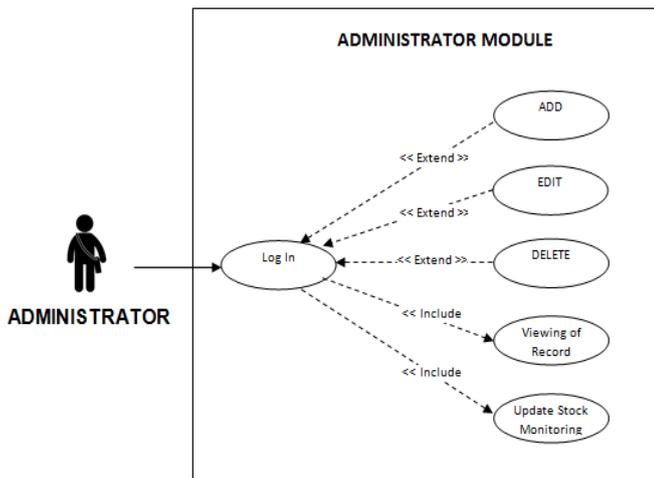

Figure 5 Administrator Module

The owner or administrator can manage the system, either add, edit, or delete, he/she can also verify the order of the customer, change the status of the transaction, and view the record of the orders such as order information. Only the owner has the full access to the system.
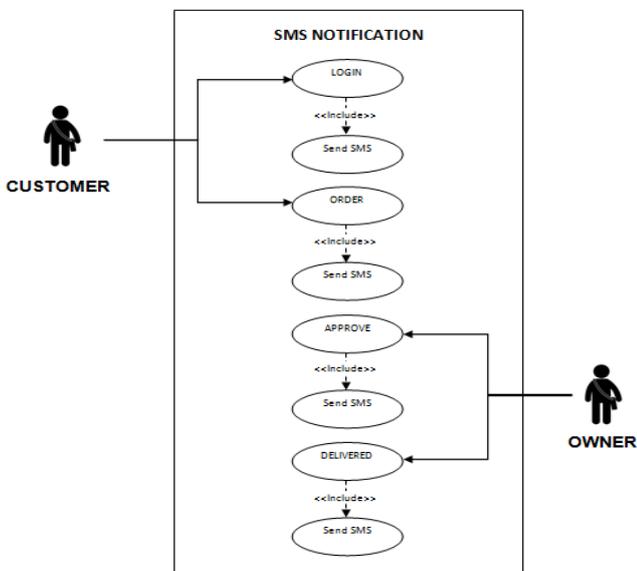

Figure 6 SMS Notification

The system is responsible for sending SMS notification. When the customer login the system will send the password by SMS text message to verify and check if the cell phone number of the user is active and correct. Then the customer will enter the given password on the website.

When the customer purchased an order the system will also send an SMS notification to the owner including the auto-generated transaction number made by the system.

The owner will approve the order transaction. The system will send an SMS notification to the customer regarding the status of its transaction.

The system will also send SMS notification to the customer and to the owner if the item is ready for delivery and successfully delivered.
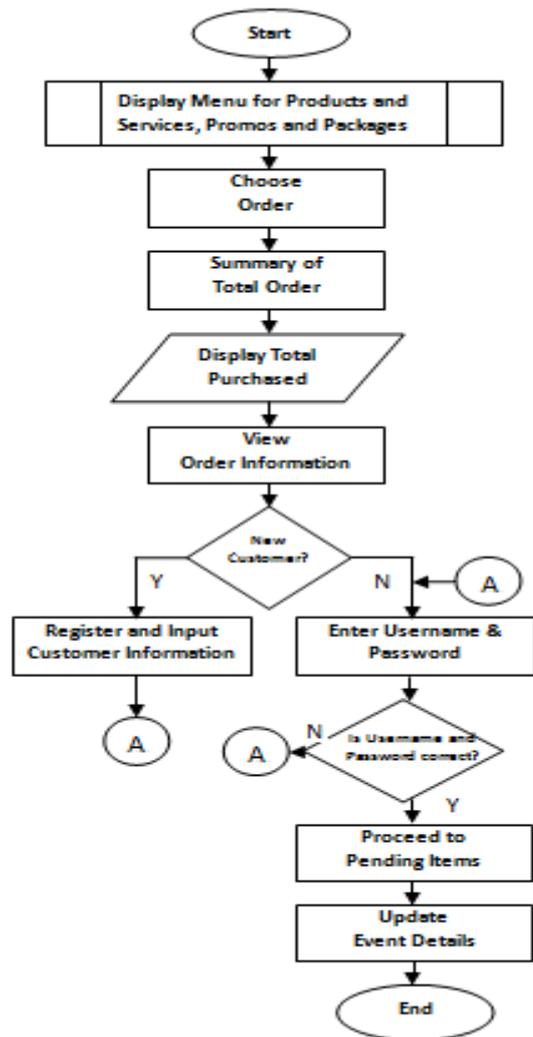
3. FLOW CHART

Figure 7 Order

The customer will choose his/her order. Then the system will automatically add it to cart. Proceed to order information sheet to display the total amount purchased. The customer will log in first to continue the transaction. If a new customer, the customer needs to register first and input his/her information before proceeding to the next process. If a regular customer, he/she may log in first before proceeding to the next process.

The system will send the password to the customer by sending SMS notification.

Enter the password, and then the system will validate the username and password is correct. The customer will check all the pending items. He/she can also remove the item if needed.

The system will automatically generate a transaction number on each order transaction. The customer needs to update the event details before proceeding on the online payment.
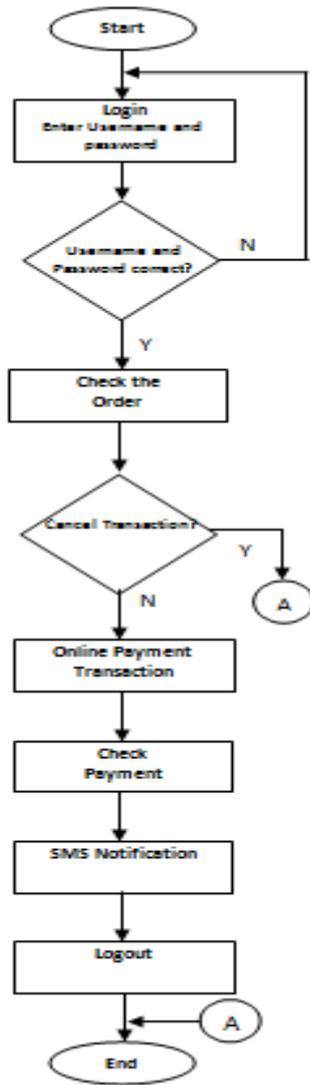

Figure 8 Payment

Under order information/transaction sheet, customer needs to check and update the event details before proceeding on the online payment. He/she can also cancel the transaction if needed. The customer will proceed to the online payment and pay for its order. Double check the payment details. The application will send SMS notification to the customer and to the owner as proof of order and payment transaction.

The customer will wait for the confirmation within 24 hours.

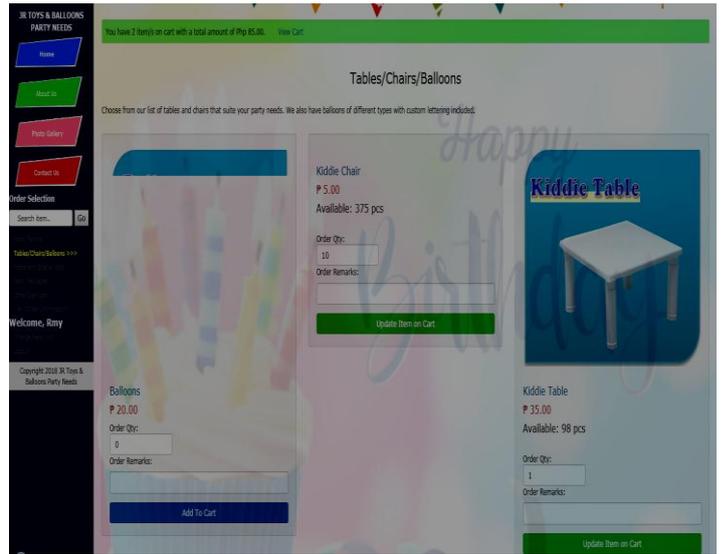## 4. RESULTS AND DISCUSSION

Figure 9 Online Inquiry and Online Ordering Transactions

The customer can easily do online inquiry because the price of the products is already available on the website. The customer can easily choose the item they want to avail and purchased without having a hard time by making a call or visiting the store.
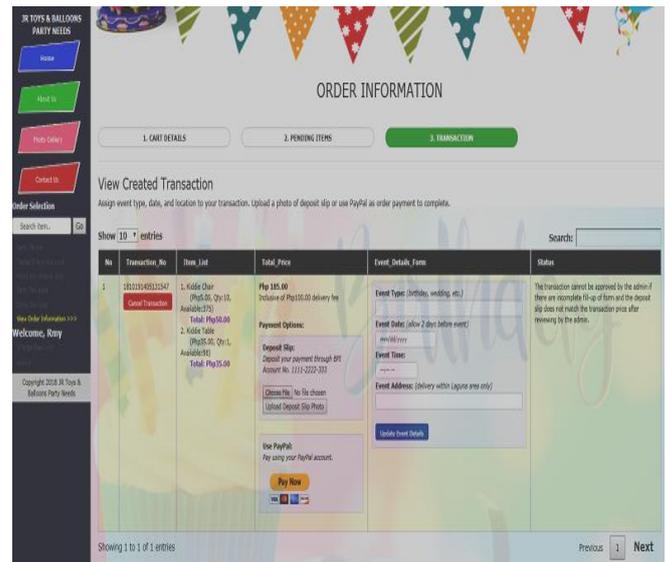

Figure 10 Customer Order Transactions

The system provides an auto-generated transaction number that will be used on tracking the order.

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Figure 11 Admin Panel Order Information

The summary of order information of the owner. Both users can easily view the previous transaction. The customer can view the summary of his/her order. The owner or administrator can also view the summary of his/her "for approval", "for delivery" and "delivered" at admin panel.

Figure 12 Customers Online Payment Transaction

The system provides an online payment transaction. The customer can choose either upload deposit slip or use PayPal for paying the order transaction.
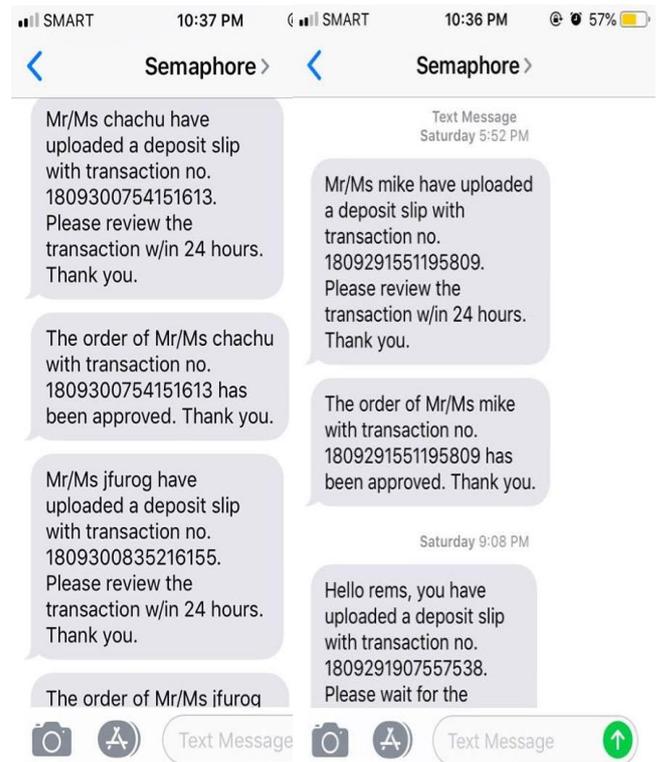

Figure 13 SMS Notification

First the system will send the password of the customer by sending SMS notification to verify the mobile phone number of the customer, second the system will send an order notification made by the customer, third the system will send approval notification done by the owner within 24 hours, forth the system will notify the customer that his/her order is ready for delivery within the day and lastly the system will send delivered notification to both users if the item has been delivered. It can easily notify both users regarding the status of their transaction.

5. SUMMARY

Party Needs and Services: An Online Ordering System with SMS Notification for Jayr and Olivia Balloons and Party needs is a way in tracking the orders of the customer. With the help of the system Online Ordering with SMS Notification, the owner and the customer easily monitor the status of their transaction. The SMS is a very convenient method of communication with the maximized used of technology.

5.1 CONCLUSIONS

Based on the aims of the study and the results of the evaluation of the following conclusions were drawn;

1. With the used of the Online Ordering System, the application provides an easy way of online inquiry and online ordering transactions by using the Internet. The
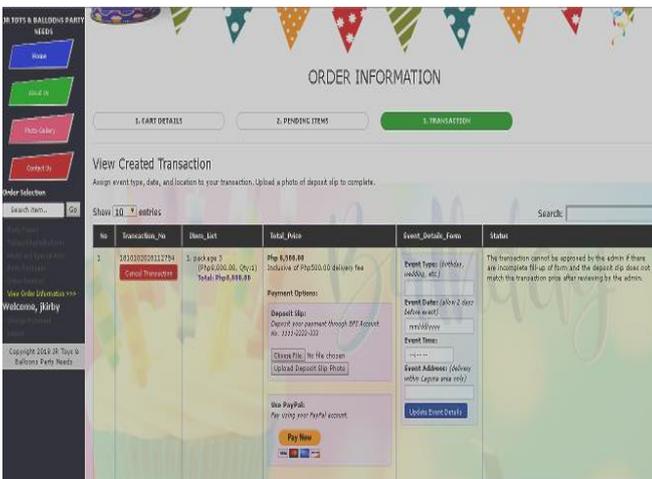
implementation of online ordering has been good in saving time to the customer and the owner.

2. With the used of the Online Ordering System, the application provides an online payment transaction that can be beneficial on both users and can save time to them because the customer can pay online without going to the Bank.

3. With the use of SMS Notification, the project provides a great help for both in terms of swiftly notifying the customer and owner regarding the status of their transactions by means of SMS Notification.

4. With the used of Online Ordering System with SMS Notification, this project provides a paperless application that can easily find order and previous transaction. No need for the owner to use the logbook, notebook, and whiteboard.

5. And lastly, with the used of Online Ordering System, the application provides an easy way of stock monitoring of the products.

5.2 RECOMMENDATIONS

The researcher of the study further recommends the following:

1. Adding an Android application to take full advantage of online ordering since other customers don't have a computer. They can easily search the website thru the use of their cellphones.

2. Adding branches or site expansion outside the Laguna area since the website can be used thru online by means of Internet Connection and Desktop Computer or Laptop.

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