

B.Sc. ENGG. PROJECT

A Project on Comparison Based Studies to Flower Shop management

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Submitted to

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Acknowledgment

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Abstract

Floral shop has always been a billion-euro industry in Europe. You are able to get beautiful blooms with no bursting your budget, provided that spending budget is usually realistic for your bouquets that you want to obtain. The author believes with the optimistic economic growth in the continent, the outlook of opening a flower shop in Helsinki is very promising. The aim of the research is to examine the business plan at a closer look, from a financing, market opportunities, customer's analysis, competition, marketing and management perspectives. The author, then can understand his market better to make better decision making in his business. The research investigates the entrepreneurship and start-up scenes in Finland, the characteristics of floral industry and the key of a successful business plan. Such theoretical framework helps the author to have a solid academic understanding of existing entrepreneurship ecosystem. The theory is followed by the interviews with two biggest flower shops in Vietnam. It sheds the light on how to operate a flower shop empirically. They share with the author their experience in managing a flower shop, such as challenges they may face, seeking the right floral suppliers. The author concludes that by aiming a wealthier customer group, the shop needs to provide a luxurious experience for customers. The customers need constantly being impressed by the floral arrangements and services. It will bring them back to the store. In other words, people of higher income often pay at a premium price to have a distinct experience at the shop. Les Fleur helps customers enjoy the art of floral design and learn more about the art themselves. However, the success of the shop depends on the buying power of customers in the next few years, competition scenes in Helsinki and creative quality of Les flours. The unstable economic situation may negatively affect the sales; the shop needs to consider to adjust to the possible outcome. Competitors will also try to imitate the business model if the company operates successfully. More importantly, the flower shop needs to invent themselves on a regular basis

to meet customers' demand. *BigchainDB*.

Declaration

We hereby declare that the Project on Comparison Based studies to Flower Shop management submitted in partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science and Engineering of Bangladesh University of Business and Technology (BUBT) is our own work and that it contains no material which has been accepted for the award to the candidate(s) of any other degree or diploma, except where due reference is made in the text of the project. To the best of our knowledge, it contains no materials previously published or written by any other person except where due reference is made in the project.

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Dedication

*Dedicated to our parents, teachers, friends and who loved us for all their love
and inspiration.*

Certificate

This is to certify that Afrina Akter Mim(ID:19202103310), Tamima Nisat (ID:19202103309), Md Hasibul Islam (ID: 19202103314), were belong to the department of Computer Science and Engineering, have completed their Project on Flower Shop management satisfactorily in partial fulfillment for the requirement of Bachelor of Science in Computer Science and Engineering of Bangladesh University of Business and Technology in the year 2021.

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Acronyms List

RSA = Rivest–Shamir–Adleman

DAO = Decentralized Autonomous Organization

DES = Data Encryption Standard

USD = United State Dollar

UK = United Kingdom

IPFS = Inter Planetary File System

IoT = Internet of Things

IBM = International Business Machines Corporation

SSL = Secure Sockets Layer

AML = Anti-Money Laundering

KYC = Know Your Customer

TiM = Trust in Motion

MIT = Massachusetts Institute of Technology

ASX = Australian Securities Exchange

JPX = Japan Exchange Group

IPO = Initial Public Offering

QR = Quick Response Code

MD5 = Message-Digest Algorithm

MAC = Message Authentication Codes

BTC = Bitcoin

NIST = National Institute of Standards and Technology

GCD = Greatest Common Divisor

AES = Advanced Encryption Standard

TLS = Transport Layer Security

VPNs = Virtual Private Network

ECC = Elliptic Curve Cryptography

DDoS = Distributed Denial of Service

URL = Uniform Resource Locator

M2M = Machine to Machine

CPU = Central Processing Unit

GPU = Graphics Processing Unit

SPV = Simplified Payment Verification

HTLCs = Hashed Timelock Contracts

ACH = Automated Clearing House

HDAC = Hyundai Digital Access Currency

ePoW = Electronic Proof of Warranty

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Chapter 1

Introduction

1.1 Introduction

Flowers are a gift to this earth. Flowers have inspired many influential people to discover meaning in their lives and improve the world. In our everyday life, we are very busy with our day-to-day activities which actually stops us from appreciating the simple things in life, like celebrating a birthday, congratulating our colleagues for a promotion or even surprising our better halves during anniversaries. Our usual excuse: “I wanted to but couldn’t manage the time!”.[1]

That’s why, we want to take the responsibility from your shoulders while you take care of your everyday work. To do so, our specially designed custom-made flower bouquets and fresh flower solutions are here to provide you the much needed convenience for buying a flower and making the moment extra special. Choose from a wide range of occasion-specific flower bouquets for your near and dear ones and make them smile today..[2]

1.2 The Concept of Flower Shop management

As Gerard De Nerval once said, “Every flower is a soul blossoming in nature.” They paint contrasting colors along the ground and bring joy to many. Their elegance and delicate touches have us all in awe and exhilaration. This is often why flowers are seen as loving

gifts for the special people in our lives, and the reaction of the person receiving the flowers is priceless.[1], To celebrate the beauty flowers graciously bring to our lives, we can create flower art, learn the symbolism of flowers or read quotes about flowers. Instead of picking flowers, pick flower quotes to share with friends and loved ones. These quotes are a lovely pairing for a floral bouquet to brighten someone's day. We do think you'll dig all of these flower quotes, but pick the sweetest quote that sticks out to you![2] Our community is filled with people who need our services. By opening a flower shop, we can help them celebrate the major milestones of their lives. As a flower shop owner, we will constantly be in the process of creating something new. Starting a floral business we will require capital and good management, but it's not nearly on the scale or starting a restaurant or many other retail businesses.

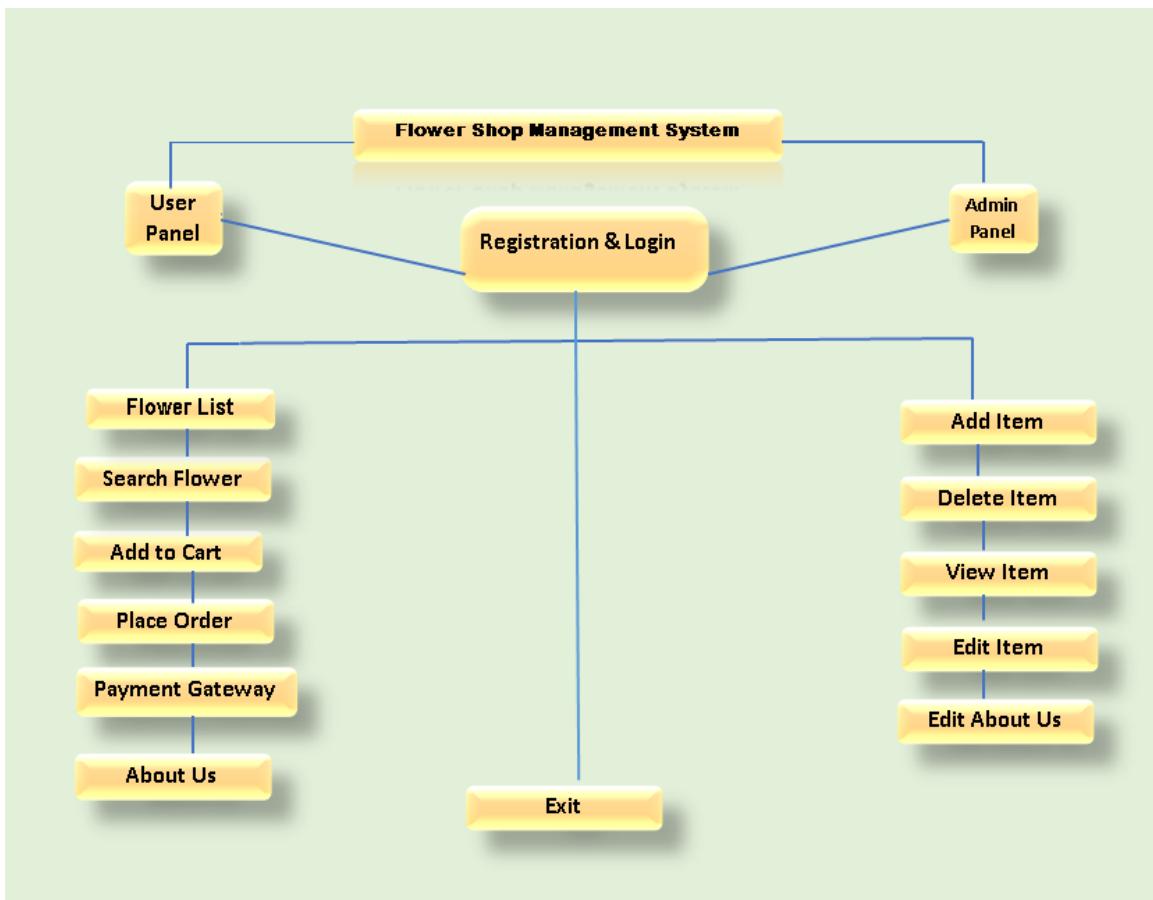


Figure 1.1: Basic Diagram of Flower Shop management

Flowers are a gift to this earth. Flowers have inspired many influential people to discover meaning in their lives and improve the world. In our everyday life, we are very busy with our day-to-day activities which actually stops us from appreciating the simple things in life, like celebrating a birthday, congratulating our colleagues for a promotion or even surprising our better halves during anniversaries. Our usual excuse: "I wanted to but couldn't manage the time!".[1]

1.2.1 Working System of Flower Shop Management

That's why, we want to take the responsibility from your shoulders while you take care of your everyday work. To do so, our specially designed custom-made flower bouquets and fresh flower solutions are here to provide you the much needed convenience for buying a flower and making the moment extra special. Choose from a wide range of occasion-specific flower bouquets for your near and dear ones and make them smile today.[1]

Most people purchase flowers for special occasions, and many people give flowers to others even when there is not a particular event. Customers who have a significant amount of discretionary income, however, have more to spend on flowers than those who have less discretionary income. Therefore, flower shop businesses can usually sell higher-priced flowers and arrangements to more affluent customers.[2]

It is convenient and quick for users to do shopping on the Internet, so the system needs to be able to quickly search for the information that they want to know in a large number of product information.[3]

For order or buy any flower we need to know some information such as customer's name, phone number, password etc. That's information are including in user panel. By including basic information in user panel customer's can get a account. Then customer's able to search any item which is included our management system. Here they get home delivery service. The payment is very easy. Customer's could cleared their payment by using online banking.[4]

1.2.2 Introduction of FLOWER SHOP MANAGEMENT



Figure 1.2: Introduction of FLOWER SHOP MANAGEMENT

You are able to get beautiful blooms with no bursting your budget, provided that spending budget is usually realistic for your flowers that you want to obtain. Occasionally blending cheaper flowers with the very same color as costly flowers may produce a lovely marriage ceremony present, and you will not just notice it is not every tulips or perhaps no matter what costly floral you needed. You should authenticate after which it re-verify the particular date that the blooms will probably be sent. You want those to possibly be new on your big day, but they will probably keep your marriage ceremony simple whenever they make an appearance late. Ensure that your chosen program can easily produce on of which time, at a proper occasion, when you make the invest in. This will likely decrease the actual disarray that will encompass the big day. You'll have lots of other considerations to help worry about! Ordering the flower design on the internet can be a simple process and also a ideal replacement for purchasing a fresh-cut bride's flower shop regarding bouquets from your neighborhood shop. This wide ranging wide variety and capability of windows application getting gives you a notable number of blooms for virtually any bash regarding event.

1.3 Existing System of Flower Shop Management

The existing system maintained the data manually. The data maintenance adopted by the system is not systematic. The personal details about the customers, the transactions made with the customer in various places, Bill of material details, Receipt details, Stock, Packing, each



Figure 1.3: Working procedure of Flower Shop Management

of these are maintained manually in a separate register. Maintaining data becomes difficult, when the details are maintained in the form of hard copy.

1.4 Motivation

A flower shop business usually costs between 10,000 and 50,000 to open. The majority of this goes towards coolers for keeping flowers fresh, leasing a location, buying the initial order of flowers and floral-arranging supplies (e.g. floral tape, vases, floral foam, floral wire and preservatives). If a business will be delivering flowers, wages for an employee and a the price of a delivery van should be considered.

Florists can keep these startup costs lower by purchasing only one cooler and reducing how many flowers they stock at a time. They also can offer delivery but only deliver in the morning and evening, before and after business hours, so they can make deliveries without closing their floral shop or hiring an employee to cover for them. Purchasing a van can also be delayed until the business is earning a profit.

This application” FLOWER SHOP MANAGEMENT SYSTEM” avoids the manual work and the problems concern with it. It is an easy way to obtain the information regarding the various products information that is present in the markets. This system is an improved application better than the existing one’s regarding the information about the various activities. Still, we found out that the project can be done in a better way. Primarily, when we request information about particular details it shows all the relevant information.

Chapter 2

Existing Literature

2.1 Introduction

Flower consumption is becoming more and more prosperous in recent years. Besides the useful and benefit with tools, it can make people enjoy their eyes and beautify their homes . It can also develop people's imagination and make people more implicit and taste when they communicate with each other [1]. It is very feasible to take account of the long-term market share of the system and the rate of short-term capital return to seize the market, to meet the theme of individual consumption, and to drive other products with flowers as a pilot, and eventually to form a market with the advantages of intelligent flower shop management system. Intelligent flower shop management system arises at the historic moment.

2.2 Related Work of Flower Shop Management

A florist will design and create arrangements of flowers in wreaths, bouquets, vases and centrepiece elements. Sometimes florists may design entire rooms or outdoor areas, and fill them with flowers in a pleasing arrangement. This is especially true in the case of extravagant weddings or parties.



Figure 2.1: Related Work of Flower Shop Management.

The designed intelligent flower shop management system is an e-commerce platform. Through it, consumers can browse a series of consumer information, such as flower information, special flowers and promotion activities. Consumers can easily find the flowers they need, pictures and text introduction. For consumers, it is possible to "shop" at home ", order not to be restricted by time; to get a lot of flower information, to buy flowers that are not in the local area; it is more convenient to pay for cash on the Internet; from order, The purchase of goods to the door does not need to be on the scene, both time-saving and labour-saving; as the intelligent flower shop management system saves a series of expenses, such as storefront, employee and storage, the total price is cheaper than the same flower in the traditional flower shop.[1]

2.3 Conclusions

This project is a computerized solution for storing the details of all related information in an organization and also task assigned to an employee by an organization. Here, we can conclude

that the application been developed is to reduce manpower and various complexities.

Chapter 3

Proposed Model

3.1 Introduction

Flower Shop is one of the most popular issue in recent years, it has already changed people's lifestyle in some area due to its great influence on many business or industry, and what it can do will still continue cause impact in many places. This project is capable of recording details of sales and purchase order. Similarly keeps track of expenses and income of the company. This billing accounting software can be used to generate various reports including Item, Ledger, Sales order, Purchase order and Expenses ledger and more. This project is totally self contained and works relatively as efficient as other packages related to the subject. It provides simple database rather than complex ones for high requirements and it provides good and easy graphical user interface to both new as well as experienced user of the computer.

3.2 User System

Firstly customers must be fill up a registration from. For registration we need to customers name, phone number, password . After finishing that work we provide them a login panel. It is convenient and quick for users to do shopping on the Internet, so the system needs to be able to quickly search for the information that they want to know in a large number of product information. At the end of the registration users can get a login panel. Where just input their

user name and password. After finishing that work they are able to choose flower, order flower etc.

3.2.1 Flower List

Select a choice in a list by clicking the arrow button to show the list, and then click the item the user want. In this section customers also can see which flower is available in our shop. Also they see the price of flower.

Our flowers are:

- *Tulip;
- *Daffodil;
- *Poppy;
- *Sunflower;
- *Bluebell;
- *Rose;
- *Snowdrop;
- *Cherry blossom.[1]

3.2.2 Searching Flower

Customers can watch our flower list. After finishing to watch the flower list they search by name of flower which flower they want. Take a picture with your regular camera, then open up that picture in the Google Photos app. Next, tap on the Google Lens button at the bottom of the screen. It will tell you what kind of flower this is within seconds.

TYPES OF FLOWERS



1

www.englishstudyonline.org

Figure 3.1: Flowers Picture of Flower Shop management

3.2.3 Add to Cart

Add to Cart is a way to create a temporary list of items by adding them to your cart, which will keep track of the items until you leave our website. You can export items in your cart by saving the list to a file or sending it to an email address. You can also place the items on hold or add them to your wish list. Before ensuring order flower customers need to see add to cart.[1]

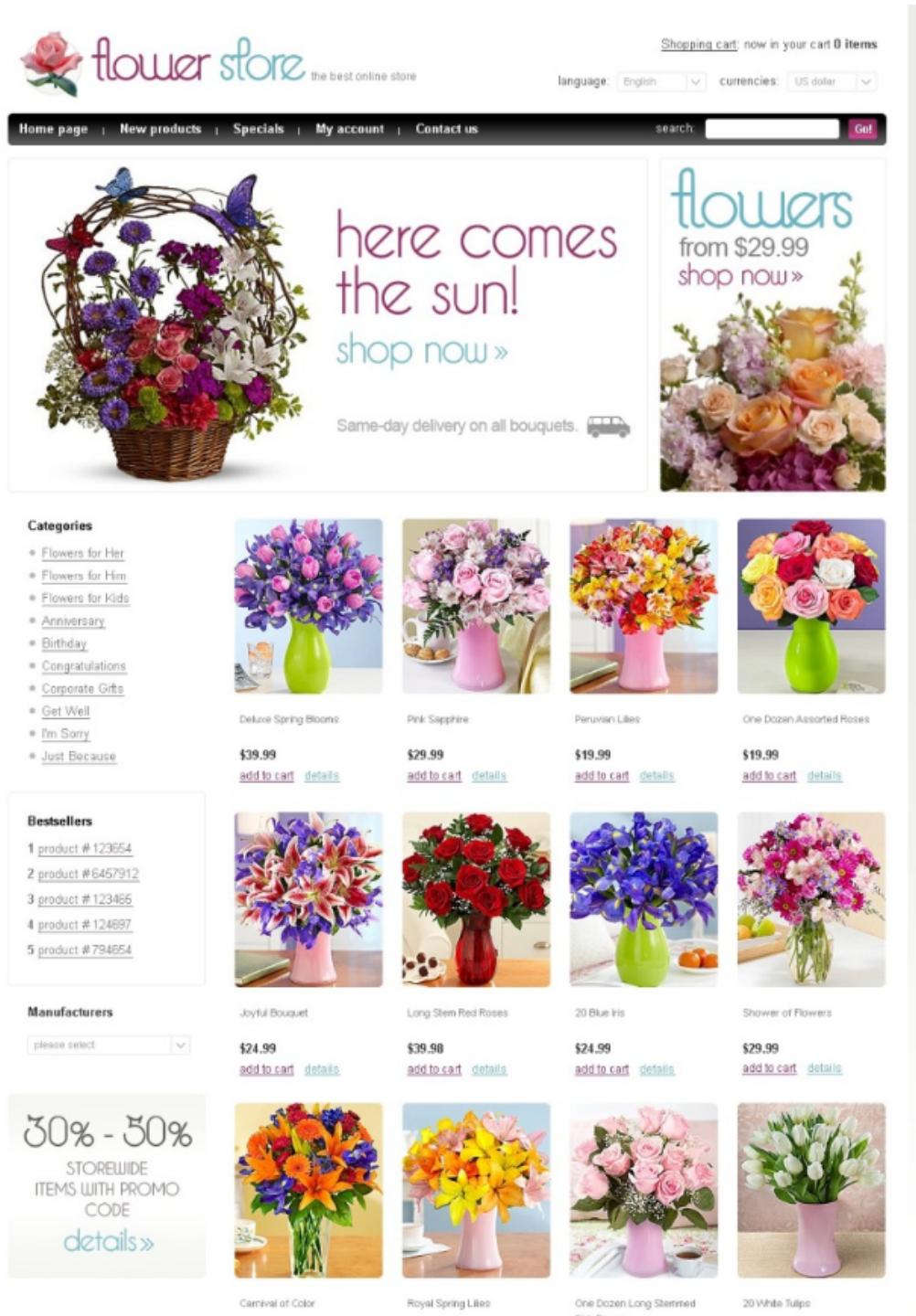


Figure 3.2: Flowers design of Flower Shop management

3.2.4 Place Order

This flower shop is your online florist of choice. At present, we deliver fresh flowers at selected locations in Dhaka, Bangladesh from our four different product/services categories.



Figure 3.3: Working process

To ensure freshness of the flowers, all our bouquets are freshly prepared and served to our valued customers. Most importantly you will get what you see in the pictures. Our store and delivery hours may vary for major holidays. To help ensure on-time delivery during the busy holiday season, place your order at least one day prior to the following holidays:

1. Valentine's Day
2. Easter
3. Administrative Professionals Week
4. Mother's Day
5. Father's Day
6. Women's Day
7. Good Friday

8.Labor Day



Figure 3.4: Flowers packaging

Delivery Times: Normal delivery times are 9am-5pm daily for orders going to a business, 6pm for orders to a residence, hotel, or hospital, and 2pm for orders going to a high school. During major holidays such as Valentine's Day and Mother's Day we operate extended hours and delivery times are 8am-8pm.

**Some flowers and colors may vary depending on availability and seasonality. Home is the place where the soul tries to find peace and its own expression. So, decorate your living space,

parties, events and occasions with your own floral arrangements by ordering individual flower sticks from flower shop. These fresh flower stems are delivered to your doorstep and you can let your creativity run wild! Every order is important to us because we know how important it is to you. Hence, we earnestly endeavor to please every customer with beautiful flowers and accommodating service. Knowing that flowers are a perishable natural product and that floral arrangements and floral gifts are hand made, we make every effort to fortify our floral products and ensure the quality, accuracy and beauty of our work. Many variables determine whether a flower will last as long as anticipated or whether a designer has created something which you will enjoy. Because we constantly seek ways to bring some of these variables under our control for improved floral performance, we welcome your comments and inquiries. Also, if you are not completely satisfied with the quality of one of our products, then please contact us immediately and we will promptly take the appropriate action. Just call or place an order for flower delivery online. Then we generate a order code. We will help you find and deliver the perfect flowers, plants, or gift to celebrate life's most meaningful moments - from birthday gift recommendations, to anniversary floral arrangements she is sure to love.

The best way to make sure your flowers arrive safely is to ship them inside a new corrugated box, and to use the proper packing material inside. We recommend lightly wrapping the flowers with packing paper, the same way you'll find flowers wrapped in plastic at your local grocery store.

3.2.5 Payment

Most modern online payment services offer easy-to-use, fast and secure ways to pay – the bare bones of what's expected from payment providers.

Such companies do so by cutting out the need to enter long card details or personal information. Instead, they operate using stored payment methods and/or third-party processing to speed up the checkout process. Here's a list of some of the most popular online payment services:

- a) Paypal
- b) Visa



Figure 3.5: Order System

- c)Mastercard
- d)Bkash
- e)Rocket

[2] Cash on Delivery: our rider will collect the payment at your chosen destination and hand over your product. Cash Pick-Up: after your order has been placed our rider will pick up the cash from sender location within 2-3 hours. Please note that this payment method is only available from Monday to Friday (10am - 6pm). Orders after 6pm will be collected on next working day.[3]

3.2.6 About Us

We at flower shop understand that the small things in life make the biggest impact. That is why we believe that every important occasion, event and moment should be marked by the delicate beauty of fresh flowers. With our wide range of products, picking the right online gifts, which speaks your feelings, is very easy with our home delivery or door-step delivery. To make your life fresher and easier, flower shop is an online flower delivery service operating in Dhaka, Bangladesh. As your online florist of choice, we are here to fulfill your flower requirements just through simple a click. With each bouquet, a complimentary gift card is provided so that you can send a touch message with the fresh flower arrangement.[1]

3.3 Admin Panel

Admin setting tab is one of the most powerful features of admin panel from where the admin can actually control the whole management. Each of the promo code can be managed easily with the ID, promo code, creator name, the value of the promo code, and the total use of the code. Admin panel only for management to see the user system and many others work. In this panel all data of customers are entry. Management can check their payment. They add or delete flowers name.

3.3.1 Adding Item

The admin can manage the stores from the very first step. The store cannot provide the service until the admin approves the request of the store. Admin Panel is one of the most important

modules of a Web or Mobile Application. Although the application's End-user is nothing to do with it, still managing your application can be easy if you have a powerful admin panel. Companies demand rich-featured Admin Panel to manipulate their App's data to follow their business metrics in a real-time. They need reports to understand the users' activities to take future decisions constantly use to update data in their app. [1]

3.3.2 Deleting Item

Inevitably, you will need to delete content items from time to time. In the Content Editor or the Experience Editor, you can delete an item and all of its versions and subitems, or you can delete a single version of an item. Admin can delete any flower items of their flower list.[1]

3.3.3 View Item

View item function is used here so that the admin can have a look on the recently available product and make a decision about which one he should edit and delete. It shows the available flowers short description which is also visible to the customer. After seeing that list and items, an admin can add new flowers to the list which were not available before, delete any flower that is not available right now due to season change or shortage in the local market and can change the description of a specific flower.[1]

3.3.4 Editing Item

Through editing item, the admin can change the quantity that can be provided to the customer at a time. Also, he can change the price whenever he needs it. When a flower of a specific colour is not available at the market, but the alternative colour is available, the admin can easily change the colour of the existing flower on the list without deleting the previous one and adding a new one. It saves time and increase the efficiency of the total management system. In the delivery info, the admin can have all the information about the delivery process and the admin can also manage different aspects of delivery. Admin can editing flowers item as

availability and unavailability of flowers. [1]

3.3.5 Editing About Us

Admin can edit there management details as their one purpose. The admin can create new admins and sub-admins by adding necessary details. That is how the distribution of power is possible in multi-partner business.[1]

3.4 Conclusion

This software is capable of recording details of sales and purchase order. Similarly keeps track of expenses and income of the company. This billing accounting software can be used to generate various reports including Item, Ledger, Sales order, Purchase order and Expenses ledger and more. This software is totally self contained and works relatively as efficient as other packages related to the subject. It provides simple database rather than complex ones for high requirements and it provides good and easy graphical user interface to both new as well as experienced user of the computer. Flower Shop management Project provides information on each and every product which is available within the store. Its basic purpose is to maintain stock details and inform on time, if any product is going out of stock along with various other information related to its sources. Stock information maintenance is a complex task and requires frequent update. If the stock details of the stores/shops will not be accurate, then there will a huge loss of money and market value and bad impression among customers in this competitive world.

Chapter 4

Implementation of Our System

4.1 Introduction

The system's home page , as the main interface to users. Users can browse the information released by the administrator, search for flowers information, can register to become members and complete the purchase of flowers, the message to the system, check shopping cart and so on. User registration module completes the registration function of the front desk user, only registered members can buy flowers on the network through the system, online order page, such as the shopping cart Module, it can realize the temporary storage function of the shopping cart, and the members can put the flowers in the shopping cart. The clerk can change the number of flowers in the shopping cart or delete the flowers in the shopping cart. When the registered users finish shopping, they can submit the flowers in the shopping cart to the online order. After receiving the order, the administrator handles the flowers ordered by the user. After that, users can query the status of orders and understand the processing of orders. The user message module completes the function of the user's message on the Internet. The user can leave a message on the system's advice, advice, complaint, feedback and other information. After the message, the administrator can view the user's message in the background, so as to facilitate the interaction between the administrator and the user. System Implementation is the stage of the project when the theoretical design is tuned into working system. If the implementation system stage is not carefully controlled and planned, it can cause chaos. Thus it can be considered to be the most critical stage in achieving a successful

new system and in giving the users a confidence that the system will work and be effective.

4.2 Overview

As the software is to be implemented in a high standard industrial sector, various factors such as application environment, user management, security, reliability and finally performance are taken as key factors throughout the design phase. These factors are analyzed step by step and the positive as well as negative outcomes are noted down before the final implementation. Evaluate the adequacy of the original definition of purpose and objectives presented in the functional requirements document and if the objectives were achieved during implementation. Evaluate if any objectives have changed or should have changed the application's validations are made, taken into account of the entry levels available in various modules. Possible restrictions like number formatting, date formatting and confirmations for both save and update options ensures the correct data to be fed into the database. Thus all the aspects are charted out and the complete project study is practically implemented successfully for the end users.

Chapter 5

Conclusion

5.1 Conclusions

This application” FLOWER SHOP MANAGEMENT” avoids the manual work and the problems concern with it. By this whole project we have found that out management can be better efficient for further use. It is an easy way to obtain the information regarding the various products information that is present in the markets. This system is an improved application better than the existing one’s regarding the information about the various activities. Still, we found out that the project can be done in a better way. Primarily, when we request information about particular details it shows all the relevant information. This project is a computerized solution for storing the details of all related information in an organization and also task assigned to an employee by an organization. Here, we can conclude that the application been developed is to reduce manpower and various complexities. .

5.2 FUTURE ENHANCEMENT

It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:

1. As the technology emerges, it is possible to upgrade the system and can be adaptable to desired environment.
2. Because it is based on object-oriented design, any further changes can be easily adaptable.
3. Based on the future security issues, security can be improved using emerging technologies.
4. Can add more requirements with additional module can be added.

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