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Fall 2016

# Sales Management Portal

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## **Abstract**

In the evolving market, we need to go face tough time to settle down in the business. Looking at the current market perspective in the evolving world running a business with manual database will not have a huge growth. So, we have decided to create a common online portal where clients who only have manual business can move to the online platform at only an affordable price. Initially to start up, we have added three different kind of products like (Cake, Flowers and Chocolates). So, if the client gets approved from us, he can post these three products and do online marketing. This application helps the client to track their sales.

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## 1. Feature Description:

### 1.1 Competitive Information:

Looking on the current market perspective in the evolving world running a business with manual database will not have a huge growth. If the customer need to shop any item he need to look at multiple individual websites, so we have bought to a common platform where they can post their orders and market the business.

### 1.2 Relationship to Other Applications/Projects:

Our application is quite similar to other Sales Management Portals who allow post third party products on their website. When it comes to development of the application budget and time is the biggest issue. We have developed application which doesn't have Payment Gateway due to lack of time but it is lot more efficient than the Sales Management Portal.

### 1.3 Assumptions and Dependencies:

The following are the assumptions and dependencies:

When it comes to Assumptions, the application is designed with the basic front end assuming that any individual can access it.

When it comes to Dependencies: Application requires basic software and hardware configuration to run.

### 1.4 Future Enhancements:

We have added only three products to the application is initially developed to focus on the smaller clients and We will be adding more products and will be enhanced the website depending on the client requirements in future.

We will also be adding the Payment Gateway later once after we get associate with Payment Gateway companies.

We are planning to add more features to the Home Page, Seller Page (Client Page) and Admin Page depending on the Client requirement.

## 1.5 Definitions and Acronyms:

As it is a well-known existing concept, we didn't use any Acronyms.

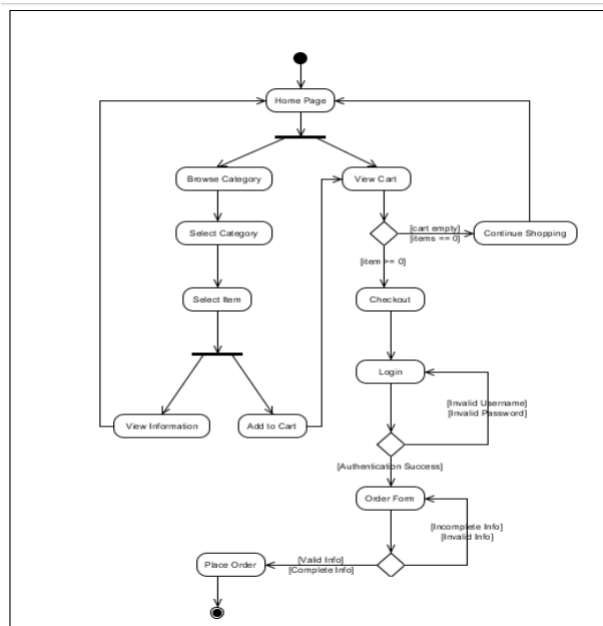
## 2. Technical Description:

### 2.1 Project/Application Architecture:

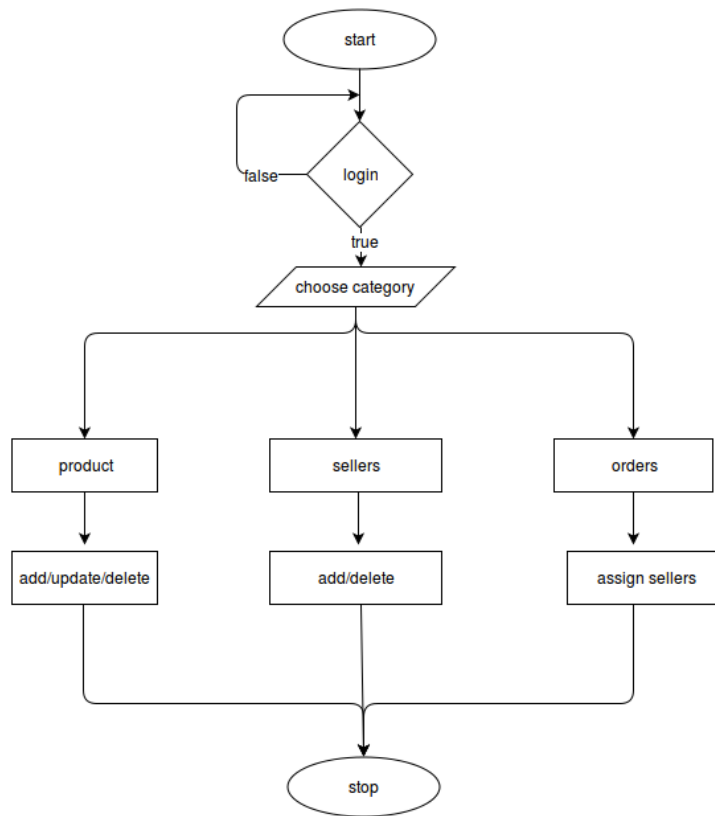
Basically, application architecture starts from the admin. Initially, Sellers (Clients) requests admin to approve the requests that he places to post products on website. Once after Admin authorize the request, it shows up on the home page where user can search for the products and order. If user need to place an order he need to register account mandatory due to security reasons. Also sellers (Clients) needs to create account and it should be authorized by the Admin.

The following image represents the flow of the application. It also tells us about how the user will make the operation. By seeing the following image one can easily understands the working of the application.

### User Flow of Application:



## Administrator Functionalities:



### 2.2 Project/Application information flow:

Once after the user opens up the link it directly goes to the home page where user can look for the products, deals, create account, etc., He can look for the categories to shortlist the products, once after he/she find the product they can create account to place order. He need to enter his personal information and also the address where it need to be delivered. Later, customer receives notification once after the order is placed.

2.3 Capabilities: Below are the Capabilities of the Application. Customer can browse products.

- i. Customer can place the order.
- ii. Customer can create customer account.
- iii. Customer can browse categories.
- iv. Seller can request Admin to add him to the database.

- v. Seller can look at the orders that customer has placed to his specific products.
- vi. Admin can authorize sellers and can add products to the database.

### **3. Project Requirements:**

#### 3.1 Identification of requirements:

The following are the requirements which we have been identified:

- i. Admin Portal
- ii. Seller Portal
- iii. Customer Portal
- iv. Home Page

#### 3.2 Operations:

Below are the operations that can be performed by user and Client for the usage of application

Customer:

- i. Customer can browse products.
- ii. He can add the product to cart.
- iii. He can place the order.
- iv. He can create customer account.
- v. He can browse categories.

Client (Seller):

- i. Seller can request Admin to add him to the database.
- ii. He can look at the orders that customer has placed to his specific products.

Administration:

Below are the operations that are need to be performed by Admin for the usage of application.

- i. Admin can activate or inactivate the seller profile.
- ii. Admin can add products to website.

- iii. He can also update the product details.
- iv. Admin can assign the order that is received from the customer.

Maintenance: Maintenance plays a key role for the marketing the portal. If the good reviews flow in market where we can get new customers and clients. Admin need to constantly update the data on database and make sure that database is functioning properly. As there will be huge traffic coming in on festive season and database should be able to handle the situation without break down.

Week	Phase	No. of days	Completion dates	Task to be completed	Status
1	Requirements gathering and installing the required tools	14 days	09/26/16	Framing of Requirements.  Identifying the tools and technologies.	Completed
2	Designing	10 days	10/6/2016	Representing the application by using the tools.	Completed
3	Coding	30 days	11/5/2016	Implementing the whole requirements	Completed
4	Testing	10 days	11/15/2016	Testing whether the requirements are achieved or	completed.



3				not.	
5	Documentation	10 days	11/24/2016	To refer the implementations.	Completed
6	Deploying and releasing	4 days	11/28/2016	Installing and checking in different environments	Completed

rity and Fraud prevention:

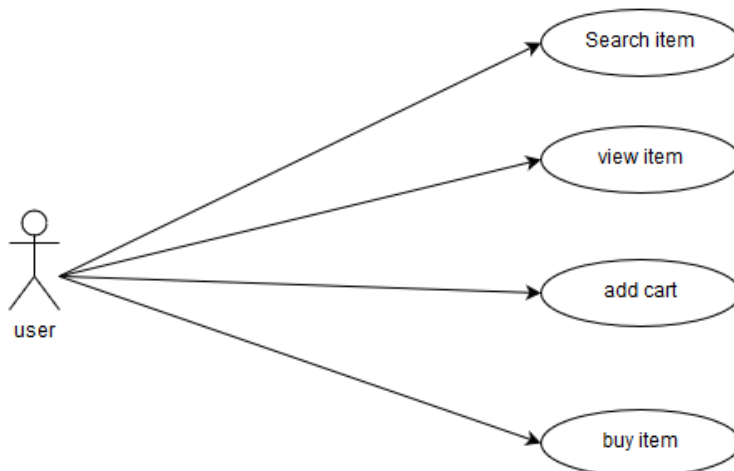
When it comes to security, securing of customer personal information is a tough task. We are working very carefully on it and would like to add more features like notifications messages for every login. So that user feel that it is safe to put in information. Application automatically send notification when the customer places the order to avoid fraud.

3.4 Release and Transition plan:

#### 4. Project Design:

The application is designed by using some of UML diagrams.

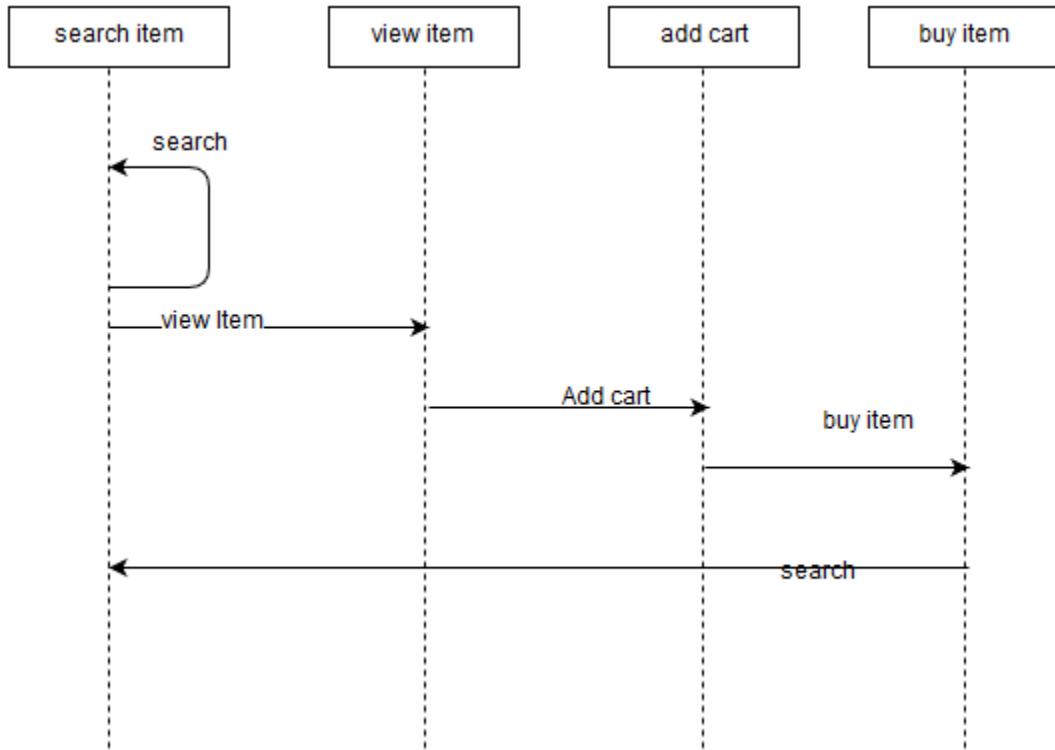
Use Case Diagram:



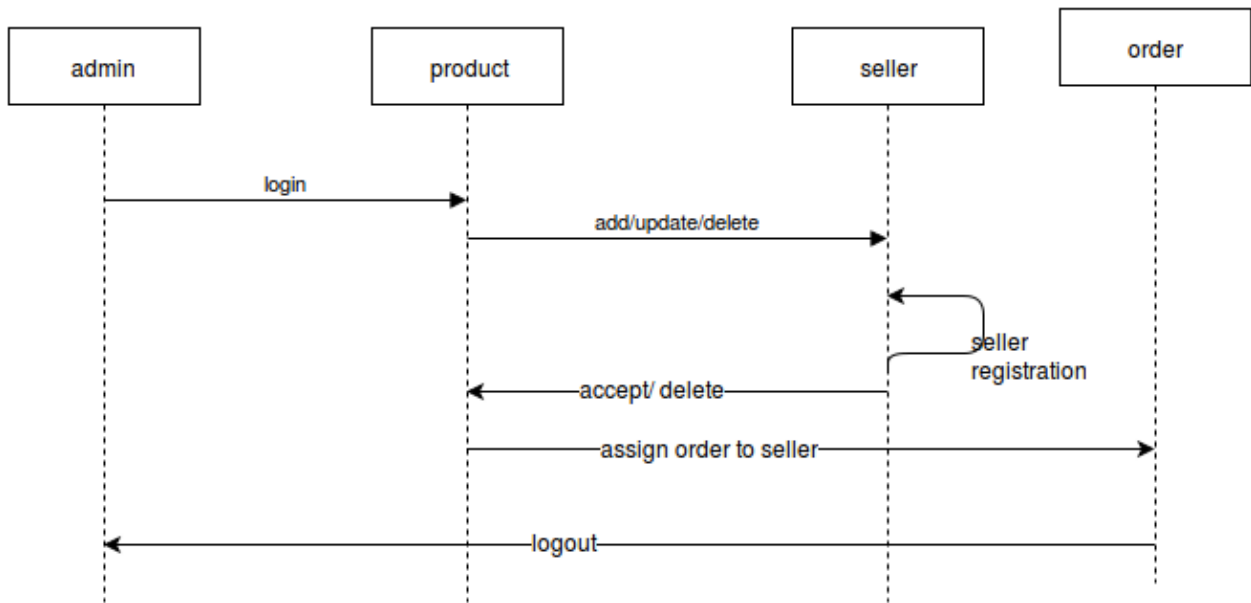
Admin Use Case Diagram:



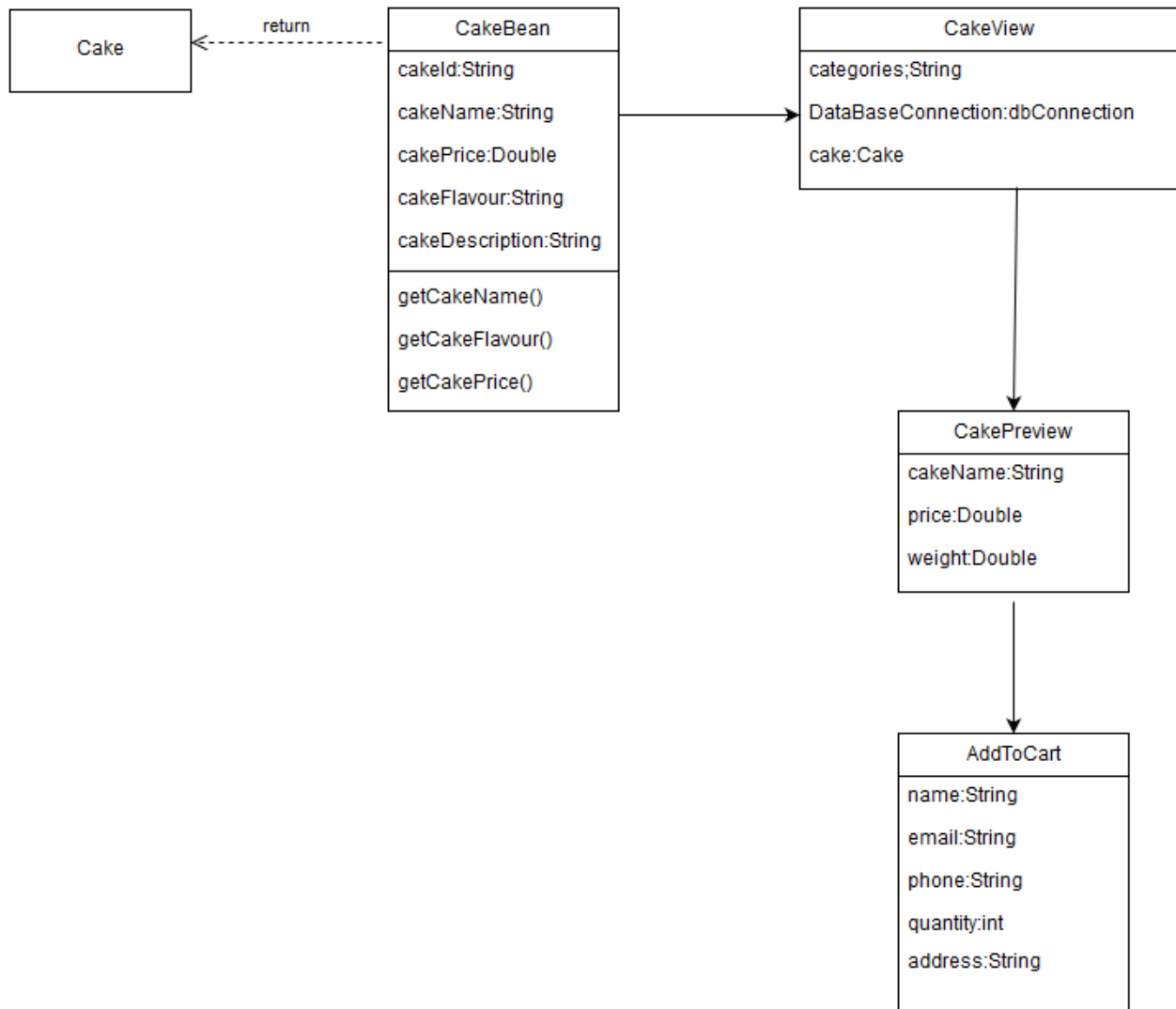
System Sequence Diagram:



Admin sequence diagram:



## Class Diagram:



## Hardware Requirements:

- i. Laptop with operating system.
- ii. Minimum disk space: 250 MB
- iii. Ram: 2GB

## 5. Project Internal and external interface description:

Internal Interface:

It is used to store, retrieve and view the details of the data designed. Below are the tables considered based on the requirements we have taken into consideration of the attributes with desired datatype and also the size of the attribute. Following are the attributes of various tables.

```
mysql> desc admin
-> ;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| username   | varchar(20)   | YES  |     | NULL    |       |
| password   | varchar(20)   | YES  |     | NULL    |       |
| email      | varchar(30)   | NO   | PRI | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

```
mysql> desc cakes;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cakeid     | varchar(75)   | NO   | PRI | NULL    |       |
| name       | varchar(75)   | YES  |     | NULL    |       |
| flavor     | varchar(20)   | YES  |     | NULL    |       |
| price      | double        | YES  |     | NULL    |       |
| weight     | double        | YES  |     | NULL    |       |
| description | mediumtext    | YES  |     | NULL    |       |
| imageName  | varchar(75)   | YES  |     | NULL    |       |
| category   | varchar(45)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.02 sec)
```

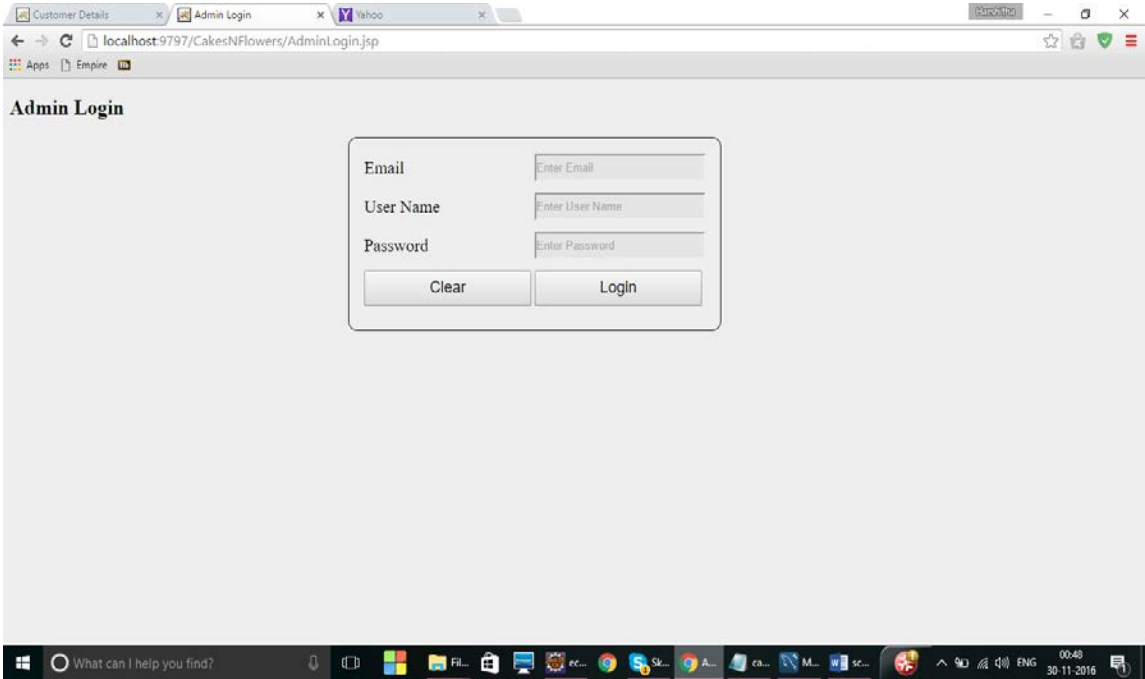
```
mysql> desc flowers
-> ;
```

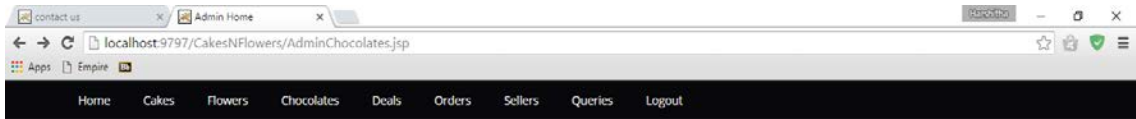
Field	Type	Null	Key	Default	Extra
flowersId	varchar(80)	NO	PRI	NULL	
name	varchar(105)	YES		NULL	
imagename	varchar(100)	YES		NULL	
price	varchar(45)	YES		NULL	
Description	mediumtext	YES		NULL	
bunchof	int(11)	YES		NULL	


6 rows in set (0.02 sec)

Admin Functionalities:

Admin login page:





Chocolates					
Image	Name	Price	Description	Weight	Edit
	Ferrero Rocher, 16 Places	50.0	A creamy filling, a crunchy	8.0	Update Delete
	chocolate combo	50.0	5 different pack of chocolates	3.0	Update Delete



Types: deals

ItemId: \$21268-locoinfo-choco-delight-flowers-chocolates-combo

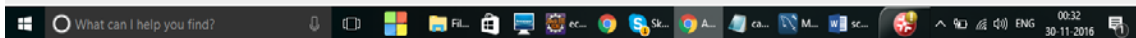
Image Name: \$21268-locoinfo-choco-delight-flowers-chocolates-combo.jpg

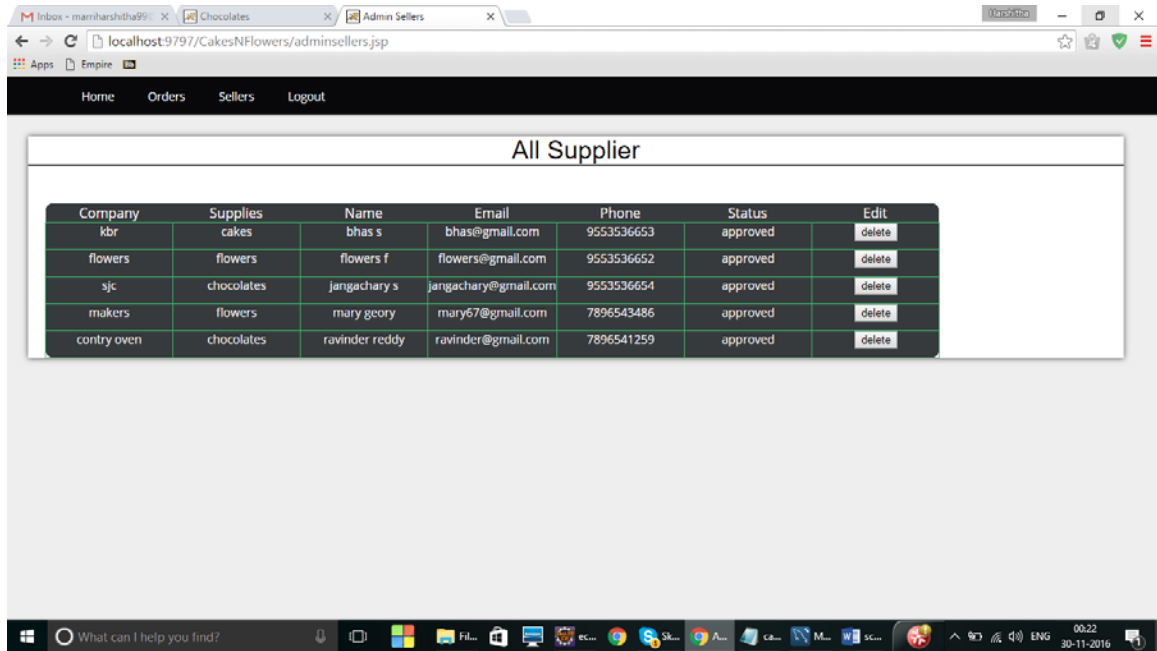
Item Name:

price:

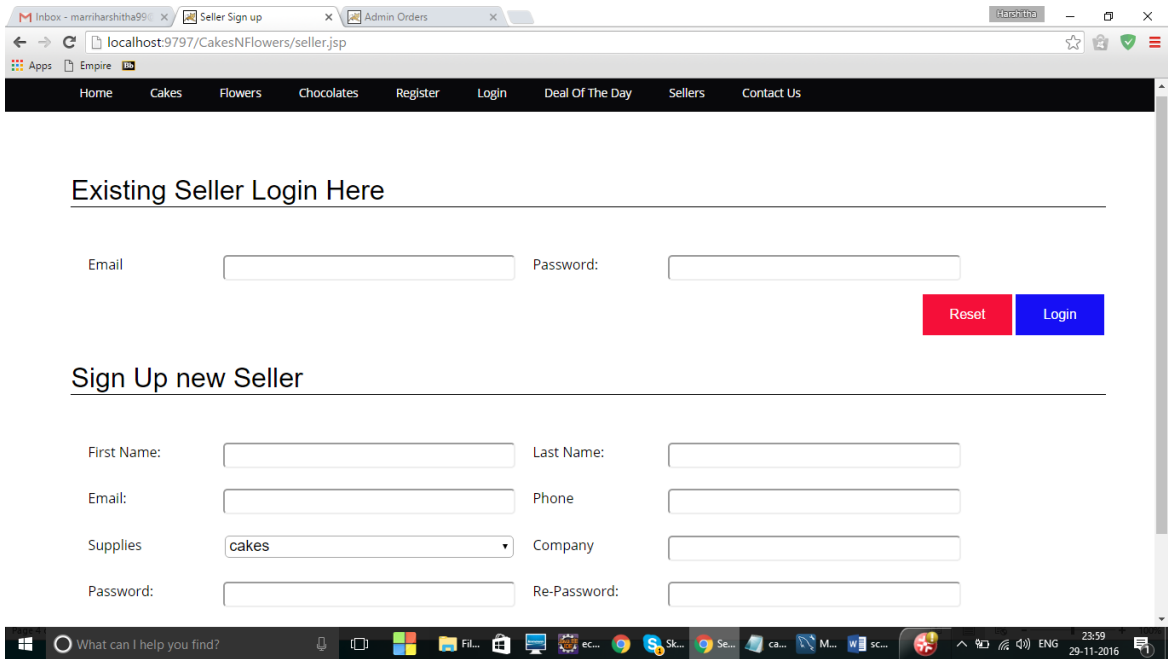
discount:

Description:





Seller/Client Registration page:







## Seller/Client activities:

localhost:9797/CakesNFlowers/sellerhome.jsp

Home Logout


Welcome: bhas@gmail.com Company: kbr

Order	Name	Amount	Weight	Quantity	Sender	Delivery Details	Receiver	Photo
20161128224451	Chocolate Fudge Cake	25	2	1	Harshitha Marri marriharshitha99@gmail.com 5623621346	11/30/2016 10:00 am - 02:00 pm many more happy returns of the day	Bharat 5623621346 HNO: .Line: huron avn, Landmark :City: hammond	
20161129225740	Chocolate Fudge Cake	25	1	1	Rakesh marri marrirakesh@yahoo.com 78956428965	11/30/2016 02:00 pm - 08:00 pm wrtrju.ktfd	bharath 78956428965 HNO: .Line: . Landmark : City:	

localhost:9797/CakesNFlowers/sellerhome.jsp

Home Logout

Welcome: ravinder@gmail.com Company: contry oven

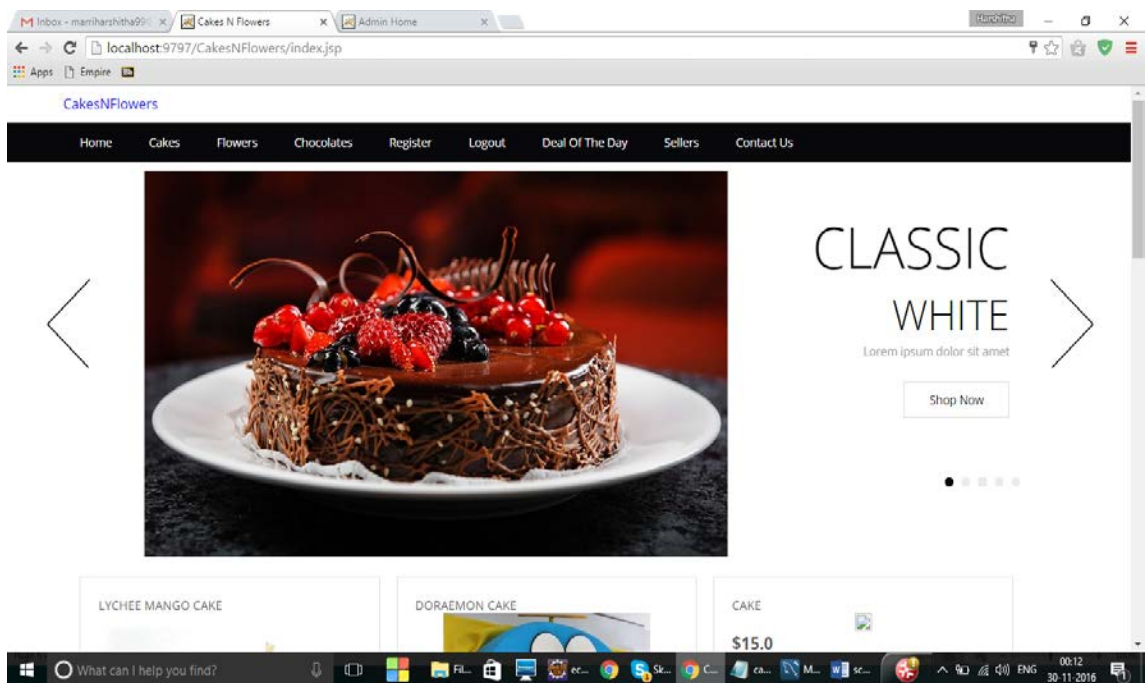
Order	Name	Amount	Quantity	Sender	Delivery Details	Receiver	Photo
20161128230702	Cadbury Dairy Milk Marvellous Creations Jelly Popping Candy Shell	10.0	1	bharat sharma bhat22@gmail.com 7826495682	12/01/2016 02:00 pm - 08:00 pm	umesh 7826495682 HNO: .Line: 8632 kennedy avn,landmark :City:	

## External Interfaces:

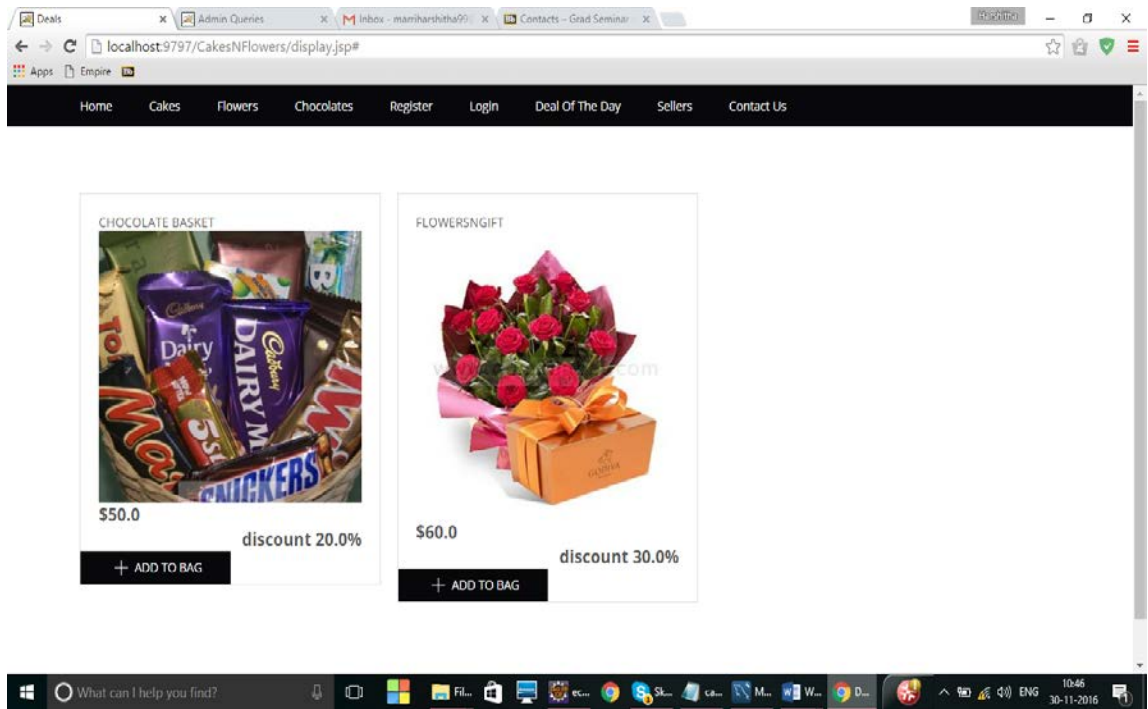
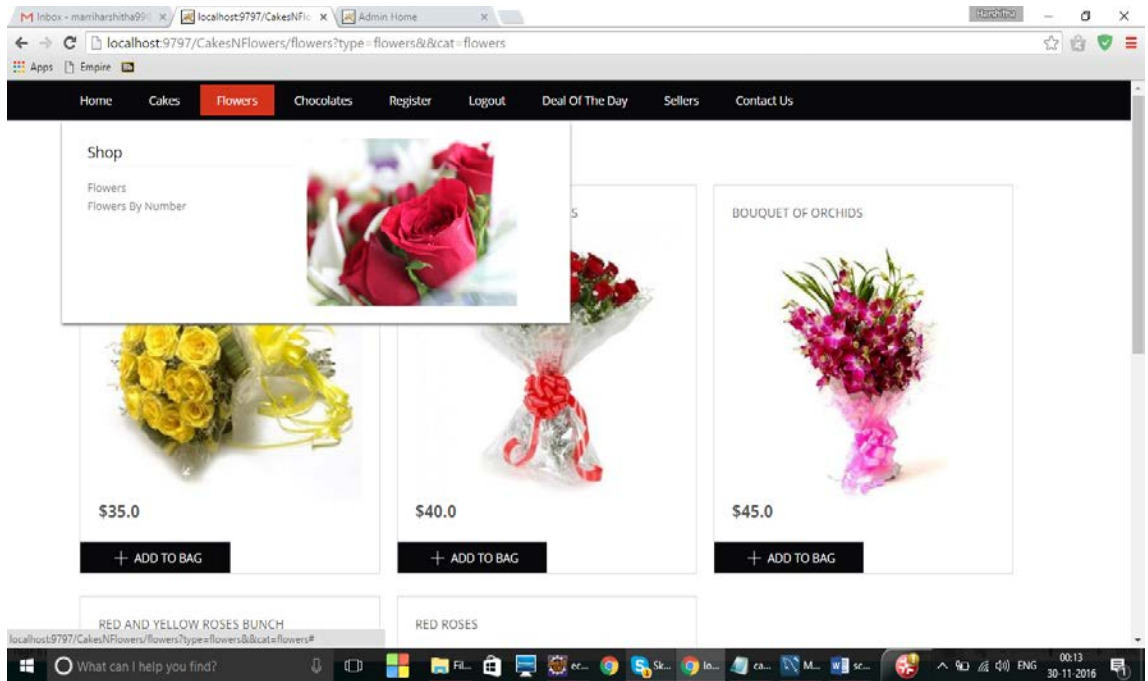
After the information has been gathered based on which I have done the designing of the interfaces using HTML and JSP, servlets, JSP and MySQL. Below is the interface I have designed.

## Design Unit Impacts:

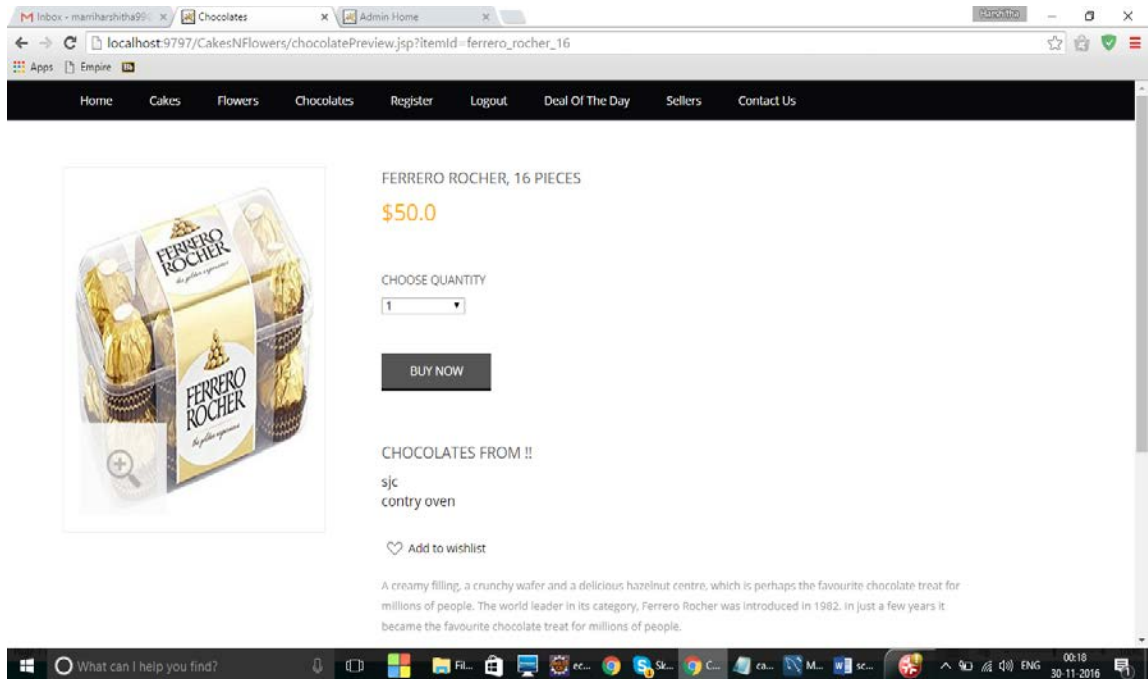
### Home Page Design:



Categories: Cakes, Flowers, Chocolates and Deals of the day.



## Product Preview and purchase:



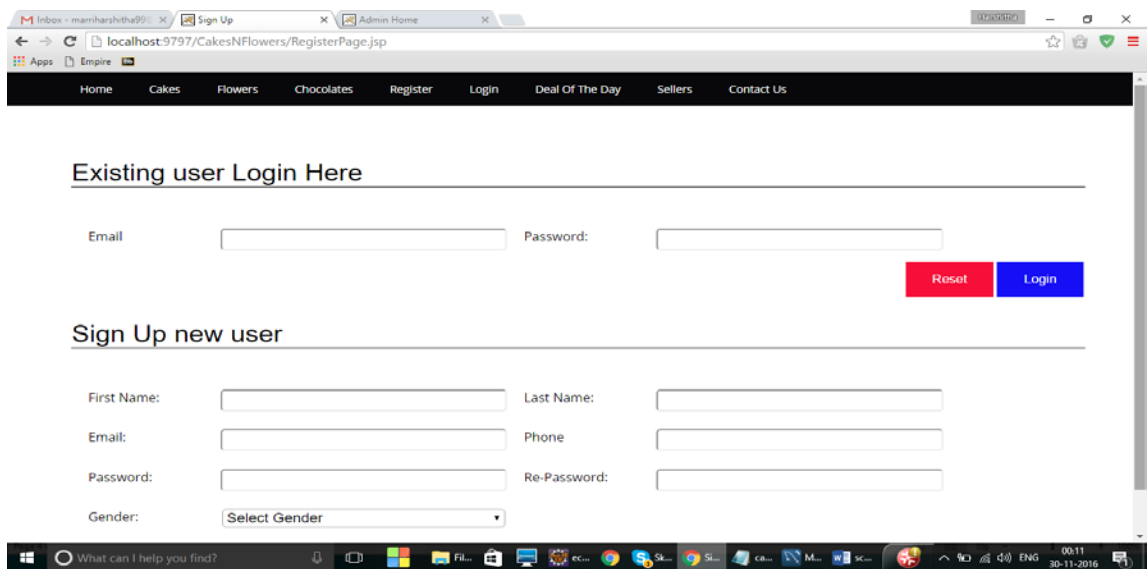
The screenshot shows a web browser window with the URL `localhost:9797/CakesNFlowers/chocolatePreview.jsp?itemId=ferrero_rocher_16`. The navigation menu includes: Home, Cakes, Flowers, Chocolates, Register, Logout, Deal Of The Day, Sellers, and Contact Us.

The product is titled "FERRERO ROCHER, 16 PIECES" and is priced at "\$50.0". Below the price is a "CHOOSE QUANTITY" dropdown menu set to "1" and a "BUY NOW" button.

The product description reads: "CHOCOLATES FROM !! sjc contry oven". There is an "Add to wishlist" link with a heart icon.

A detailed description at the bottom states: "A creamy filling, a crunchy wafer, and a delicious hazelnut centre, which is perhaps the favourite chocolate treat for millions of people. The world leader in its category, Ferrero Rocher was introduced in 1982, in just a few years it became the favourite chocolate treat for millions of people."

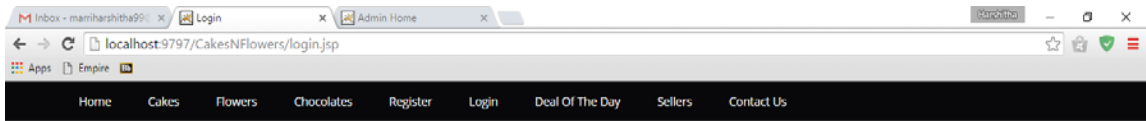
## User registration page:



The screenshot shows a web browser window with the URL `localhost:9797/CakesNFlowers/RegisterPage.jsp`. The navigation menu includes: Home, Cakes, Flowers, Chocolates, Register, Login, Deal Of The Day, Sellers, and Contact Us.

The page is divided into two sections:

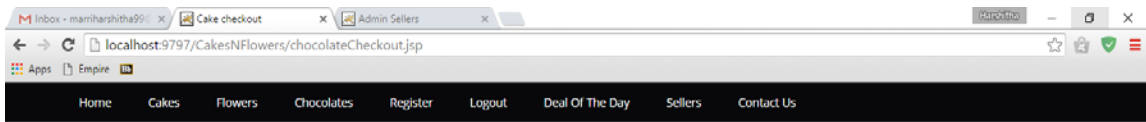
- Existing user Login Here:** Contains input fields for "Email" and "Password:", a "Reset" button, and a "Login" button.
- Sign Up new user:** Contains input fields for "First Name:", "Last Name:", "Email:", "Phone:", "Password:", "Re-Password:", and a "Gender:" dropdown menu with the option "Select Gender".



## Existing user Login Here

Email  Password:

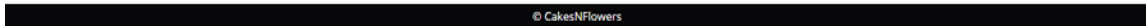
[Reset](#) [Login](#)



## Cart Details

Chocolate Name Ferrero Rocher, 16 Pieces  
Quantity 1 pcs  
Price \$ 50.0

[Continue](#)



Sender and Delivery details:

Payment Details:

The screenshot shows a web browser window with the URL `localhost:9797/CakesNFlowers/AddCart`. The page has a navigation bar with links: Home, Cakes, Flowers, Chocolates, Register, Logout, Deal Of The Day, Sellers, and Contact Us. The main content area is divided into two sections:

- Sender Details:** Contains four input fields: First Name, Last Name, Phone, and Email.
- Delevery Details:** Contains a Date input field, a Time dropdown menu (currently showing "Select a time Interval"), a Personal Message input field, and an Occation dropdown menu (currently showing "Select a Occation").

At the bottom, there is a section for "Receiver Address" which is currently empty. The Windows taskbar at the bottom shows the time as 00:24 on 30-11-2016.

Order notification to Admin:

The screenshot shows a Gmail inbox on a desktop browser. The email is titled "New Order from Rakesh marri" and is in the trash. The sender is `marrharshitha99@gmail.com`. The email content includes:

- Order Information:** OrderNumber: 20161129225740, Cake name: Chocolate Fudge Cake, Cake Id: 0023644\_chocolate\_fudge\_cake, Amount: \$ 25.0, Weight: 1.0lb, Quantity: 1.
- Sender Details:** Sender Name: Rakesh marri, Email: [marrirakesh@yahoo.com](mailto:marrirakesh@yahoo.com), Phone: 78956428965.
- Delivery Details:** Date: 11/30/2016, Time: 02:00 pm - 08:00 pm, Occasion: Congratulation, Personal Message: `wtrju ktfdf`, Name: bhargh, Phone: 78956428965, House Number, Line, Pincode, Landmark, city.

The Windows taskbar at the bottom shows the time as 00:25 on 30-11-2016.

## Order confirmation mail to customer:

The screenshot displays a web browser window with the Yahoo Mail interface. The browser's address bar shows the URL: <https://mg.mail.yahoo.com/neo/b/message?sMid=2&fid=Inbox&fdx=1&sort=date&order=down&startMid=0&filterBy=&ac=25bB9wF54x0pmMqvunkprCOZV>. The page title is "OrderConfirmed: 20161129225740".

The Yahoo Mail interface includes a search bar, account information for "Rakesh Reddy", and navigation options like "Sign Out" and "Home". The left sidebar shows folders: "Inbox (2)", "Drafts", "Sent", "Spam (106)", "Trash", "My Folders", "Archive", "Drafts", "Notes", "Phani", "Synced Message... (53)", "Tip", and "Trash".

The main content area displays an email titled "OrderConfirmed: 20161129225740" received on Tuesday, November 29, 2016, at 10:57 PM. The email is from "maniharshitha99@gmail.com" to "manirakesh@yahoo.com".

**Order Details:**

- OrderNumber: 20161129225740
- Cake name: Chocolate Fudge Cake
- Cake Id: 0023644\_chocolate\_fudge\_cake
- Amount : \$ 25.0
- Weight: 1.0lb
- Quantity: 1

**Sender Details:**

- Sender Name Rakesh manri
- Email manirakesh@yahoo.com
- Phone 78956428965

**Delivery Details:**

- Date: 11/30/2016
- Time: 02:00 pm - 08:00 pm
- Occasion: Congratulation
- Personal Message: wtrju.ktfd
- Name: bharath
- Phone Number: 78956428965
- Line:
- Pincode:

## **6. Project Design Units Impacts:**

### 6.1 Functional Area/Design:

#### 6.1.1 Functional Overview:

As this is an online sales management portal kind of an application where the transactions are electronic and with the help of this application consumer will have the facility to buy his required items from anywhere and at any moment of time thus providing the customers to make their shopping easy and also save time.

The following are the operations that are offered by the application:

- i. We can apply many filters to find the appropriate information like sales, transactions, cost etc.
- ii. To add or to delete the products, an option is provided as a management console so that these kind of operations should be done by the management.
- iii. Every management has the ability of viewing the information regarding the sales like individual sales, daily sales, monthly sales, tracking the information etc.
- iv. Providing the registration to the clients, so that the clients will also be able to see the transaction which they have made.



The screenshot shows a web browser window with the URL `localhost:9797/CakesNFlowers/adminQueiries.jsp`. The browser's address bar and navigation buttons are visible. Below the browser window, a Windows taskbar is shown with various application icons and system tray information including the date and time (02:25, 30-11-2016).

Name	Email	Queries	Date
janga	jangacharysri@gmail.com	hello	Fri Nov 18 19:45:02 IST 2016
janga	janga@gmail.com	hello	Fri Nov 18 19:45:57 IST 2016
janga	janga@gmail.com	hello	Fri Nov 18 19:46:35 IST 2016
harshitha	marriharshitha99@gmail.com	regarding price	Wed Nov 30 02:00:25 CST 2016
harshitha	marriharshitha99@gmail.com	regarding price	Wed Nov 30 02:01:29 CST 2016

6.1.2 Impacts: As the application flow is clearly specified using the UML diagrams there will not be any ambiguity for the developers to implement the said requirements and for sure customers will be satisfied with the type of application as they are benefitted with the reduce in shopping time, availability of large number of products at one place which gives a better choice option and getting it delivered at the door step.

### 6.1.3 Requirements:

Below are the requirements:

- i. Admin Portal
- ii. Client Portal
- iii. Customer Portal
- iv. Home Page

Admin Portal: The total control of the application and the process is authorized to one person who plays the major role known as administrator as he has the ability to add or delete any kind of information in this application.

Client Portal: Before the client information is entered he should be registered to the application after which he will be given an identification code and only after which he will be a registered user of the application. The data entered at the time of registration will be saved in the database and will be saved to that particular user's profile only for further reference.

Filter: The filter option enables the users to look for anything specific what he needs compared to all the other things available to him in the application. Ex: the user can search things by applying the filter option to narrow his search among the total number of products available in the applications website.

All requirements covered by the design must be listed with the requirements tag number. It is not necessary to copy the text associated with a requirement number as that will require you to update the design document anytime there is a change in the text.

## 7. Open Issues:

While the implementation of the application we have encountered few issues which had to be implemented like the payment option, information flow from one interface to another. Also, while implementing the cart we have faced few problems but at the end have rectified the issues and the end product produced is free with all the issues and ready to use.

## 8. Test Cases:

- i. Admin functionalities like addition, deletion of items:

Test case 1: Verify add, delete items by the Administrator.		Priority (H, L): High
Test Objective: To check all methods and classes are working properly or not		
Test Description: Adding items and deleting items in sales management portal		
Requirements Verified: Yes		
Test Environment: This GUI based application		
Test Setup/Pre-Conditions: not necessary.		
Actions		Expected Results
Tester should enter the items through the interface.		One Item should be added.
He has to delete a product and should check whether deleted or not.		One item should be deleted
Pass:	Conditions pass: Yes	Fail: No
Problems / Issues: NIL		
Note: Successfully Executed		

- ii. Test Cases: Test Case for Verifying Supplier:

Test case 2: Verifying supplier and giving authorization.		Priority (H, L): High
Test Objective: To allow the seller in completing the registration		
Test Description: After entering the supplier details, admin should authorize him in registering.		
Requirements Verified: Yes		
Test Environment: GUI based application.		
Test Setup/Pre-Conditions: Seller registration details should enter.		
Actions		Expected Results
Admin has to view the information of the seller and giving permission for successful registration.		As per the actions, it is successfully executed
Pass:	Conditions Pass: Yes	Fail: No
Problems / Issues: NIL		

Note: Successfully Executed

## 9. References:

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