Chapter 1: Investigation

1.1 Synopsis:

1.1.1 Introduction:

An online Cake shop that allows users to check for various cakes available at the online store and purchase online. The project consists of list of Cakes and bakery products displayed in various categories. The user may browse through these items as per categories. If the user likes a product he may add it to his shopping cart. Once user wishes to checkout he must register on the site first. He can then login using same id password next time. Now he may pay through a credit card or cash on delivery. Once the user makes a successful transaction he gets a copy of the shopping receipt on his email id. Here we use .net framework to make the entire frontend. The middle tier or code behind model is designed in c#. And sql serves as a backend to store cakes lists data Thus the online Cake shopping project brings an entire cake shop online and makes it easy for both buyer and seller.

• User Registration: User can register on the system and get his online account on site.

• User Login: User can login to system and check various Cake and bakery items.

• Product Categories: The cakes and bakery items are arranged and can be viewed in categories.

• Add to cart: Users can add new items to cart.

• Custom Cake: User may order a custom cake as per his needed flavor, size, shape on site.

• Credit card payment: After total bill is calculated user can pay via credit card online.

• Email confirmation: On successful payment a thank you message is sent to user.

1.1.2 Advantages:

• Helps cake shops to automate bakery selling online.

• Helps cake shops to take cc payments.

• Provides email confirmation on payment success.

1.1.3 Disadvantages:

• Does not keep track of stock.

1.1.4 Applications:

• This system can be used in single cake shops.

• This system can be used to sell like chain of cake shops from a single site.

1.1.5 Software Requirements:

• Windows Xp, Windows 7(ultimate, enterprise)

• Sql 2008

• Visual studio 2010

1.1.6 Hardware Components:

• Processor – i3 and above

• Hard Disk – 500GB and above

• Memory – 2GB RAM and above

Chapter 2: Analysis

2.1 Project history:

- Baked goods have been around for thousands of years. The art of baking was developed early during the Roman Empire. It was a highly famous art as Roman citizens loved baked goods and demanded for them frequently for important occasions such as feasts and weddings etc. Due to the fame and desire that the art of baking received, around 300 BC, baking was introduced as an occupation and respectable profession for Romans. The bakers began to prepare bread at home in an oven, using mills to grind grain into the flour for their breads. The oncoming demand for baked goods vigorously continued and the first bakers' guild was established in 168 BC in Rome. This drastic appeal for baked goods promoted baking all throughout Europe and expanded into the eastern parts of Asia. Bakers started baking breads and goods at home and selling them out on the streets.
- This trend became common and soon, baked products were getting sold in streets of Rome, Germany, London and many more. This resulted in a system of delivering the goods to households, as the demand for baked breads and goods significantly increased. This provoked the bakers to establish a place where people could purchase baked goods for themselves. Therefore, in Paris, the first open-air bakery of baked goods was developed and since then, bakeries became a common place to purchase delicious goods and get together around the world. By the colonial era, bakeries were commonly viewed as places to gather and socialize.
- On July 7, 1928, a bakery in Chillicothe, Missouri introduced pre-cut bread using the automatic bread-slicing machine, invented by Otto Frederick Rohwedder. While the bread initially failed to sell, due to its "sloppy" aesthetic, and the fact it went stale faster, it later became popular. In World War II bread slicing machines were effectively banned, as the metal in them was required for wartime use. When they were requisitioned, creating 100 tons of metal alloy, the decision proved very unpopular with housewives.
- World War II directly affected bread industries in the UK. Baking schools closed during this time so when the war did eventually end there was an absence of skilled bakers. This resulted in new methods being developed to satisfy the world’s desire for bread. Methods like: adding chemicals to dough, premixes and specialized machinery. These old methods of baking were almost completely eradicated when these new methods were introduced

and became industrialized. The old methods were seen as unnecessary and financially unsound, during this period there were not many traditional bakeries left.

2.2 Requirement gathering:

- **Hardware requirements:**
- **Processor:** Intel dual core or above
- **Processor Speed:**1.0GHZ or above
  - **RAM:** 2GB RAM or above
  - **Hard Disk:** 500 GB hard disk or above

- **Software requirements:**
  - **Language:** Microsoft Visual Studio 2008
  - **Database:** Microsoft SQL server 2008

2.3 Objectives and scope:

❖ Objectives of the Project:

- My idea is to provide each and every people out there to have a “fun” party at different occasions. The customers can order instantaneously across anywhere around the area, anywhere they want.
- The online cake ordering system will be computerized so that it has less paper work to do and it will save both the money and the time. It will also reveal bakery to the outside environment. So everyone will have the win-win situation.

❖ Future Scope of the Project:

- Reduction of paper work.
- Human effort or Manual Labor can be reduced drastically.
- Major operations that are done manually can be done within a matter of seconds.

2.4 Problems with existing system:

- Does not keep track of stock.
- No customize cake.
- Time consuming.
- No live tracking of order.
- Does not provide the preview of the product.
- Complication in payment (paytm, cash on delivery, etc).

2.5 Advantages of proposed system

- Computerization will almost minimize all the shortcoming of current manual system.
- Computerization will be helpful in reducing extra manpower.
- Data stored in computer is easily accessible then current manual system
- Computerization make searching easy and instantaneous. Also, the result obtained are consistent.
- Computerization will definitely reduce paper work and thus reduce possibility of human error.
- It provides user friendly interface to the user.
- The graphical user interface makes the application more attractive and easily understandable to the user.

2.6 Feasibility study:

As the name implies, a feasibility study is used to determine the viability of an idea, such as ensuring a project is legally and technically feasible as well as economically justifiable. It tells us whether a project is worth the investment.

In some cases, a project may not be doable. There can be many reasons for this, including requiring too many resources, which not only prevents those resources from performing other tasks but also may cost more than an organization would earn back by taking on a project that isn't profitable.

A well-designed study should offer a historical background of the business or project, such as a description of the product or service, accounting statements, details of operations and management, marketing research and policies, financial data, legal requirements, and tax obligations. Generally, such studies precede technical development and project implementation.

Presentable types of Project Feasibility:

A feasibility study evaluates the project's potential for success; therefore, perceived objectivity is an essential factor in the credibility of the study for potential investors and lending institutions. There are some types of feasibility study—separate areas that a feasibility study examines, described below.

1. **Technical Feasibility**

- Technical feasibility is nothing but implementing the project with existing technology.
- In the technical feasibility the following issues are taken into consideration
    a. Whether the required technology available or not
    b. Whether the required resources are available
    c. Software and hardware.

- In this project supports technical feasibility because we implemented our project using Microsoft.Net3.5 technology which is platform independent and all the resources that are required for project are easily available.
- This assessment focuses on the technical resources available to the organization.

- It helps organizations determine whether the technical resources meet capacity and whether the technical team is capable of converting the ideas into working systems.
- Technical feasibility also involves evaluation of the hardware, software, and other technical requirements of the proposed system.

2. Economic Feasibility

- This assessment typically involves a cost/ benefits analysis of the project, helping organizations determine the viability, cost, and benefits associated with a project before financial resources are allocated.
- It also serves as an independent project assessment and enhances project credibility—helping decision-makers determine the positive economic benefits to the organization that the proposed project will provide.

3. Operational Feasibility

- This assessment involves undertaking a study to analyze and determine whether—and how well—the organization's needs can be met by completing the project.
- Operational feasibility studies also examine how a project plan satisfies the requirements identified in the requirements analysis phase of system development.
- It should not cause any problems to users after implementation.
- This project can be implemented and executed in any type of networking environment. So, it is operational feasible.

4. Scheduling Feasibility

- This assessment is the most important for project success; after all, a project will fail if not completed on time.
- In scheduling feasibility, an organization estimates how much time the project will take to complete.

2.7 Cost/Benefit Analysis:

- Cost-benefit analysis (CBA) is a technique used to compare the total costs of a programme/project with its benefits, using a common metric (most commonly monetary units).
- This enables the calculation of the net cost or benefit associated with the programme.
- It can also be used, however, to evaluate the overall impact of a programme in quantifiable and monetised terms.
- Difficulties -- discovering and assessing benefits and costs; they can both be intangible, hidden and/or hard to estimate, it's also hard to rank multi-criteria alternatives

To build this project three things are required:

- ❖ Microsoft Visual Studio
- ❖ Microsoft SQL server

- The cost of project is depend upon the number of features .Visual studio is open source platform .So it will be freely download .We don't have to pay for that.
- The cost of the project is depend on the number of functions I perform in this project.
- To install Visual Studio in the system ,it required approximately 2-4 GB internet.
- To purchase domain name for website there are many provider like GoDaddy.
- GoDaddy provide domain name in 99 Rupees per month.
- Cost-benefit analysis is a technique used to compare the total costs of a program/project with its benefits, using a common metric.

2.8 Requirement Specifications:

1] Hardware requirement: -

- **Processor:** Intel dual core or above
- **Processor Speed:**1.0GHZ or above
- **RAM:** 2GB RAM or above
- **Hard Disk:** 500GB hard disk or above

2] Software Requirement:-

- **Language:** Microsoft Visual Studio 2008
- **Database:** Microsoft SQL server 2008

3] Functional Requirements:-

- Functional requirements are those requirements that are used to illustrate the internal working nature of the system, the description of the system and explanation of each subsystem.
- It consists of what task the system should perform, the processes involve, which data should the system holds and the interfaces with the user.

4] Non-functional requirements:-

- It describes aspects of the system that are concerned with how the system provides the non-functional requirements i.e., it specifies the criteria that can be used to judge the
- System attributes :

✓ **Portability**: The system is developed for secured purpose, so it is can't be portable.

✓ **Availability** :This system will available only until the system on which it is install, is running.

✓ **Scalability**: Applicable.

2.9 Tools and Technology:

Tools:

❖ **Visual Studio**

- **Microsoft Visual Studio** is an integrated development environment (IDE) from Microsoft. It is used to develop computer programs, as well as websites, web apps, web services and mobile apps. Visual Studio uses Microsoft software development platforms such as Windows API, Windows Forms, Windows Presentation Foundation, Windows Store and Microsoft Silverlight. It can produce both native code and managed code.

- Visual Studio supports 36 different programming languages and allows the code editor and debugger to support (to varying degrees) nearly any programming language, provided a language-specific service exists. Built-in languages include C, C++, C++/CLI, Visual Basic .NET, C#, F#, JavaScript, TypeScript, XML, XSLT, HTML, and CSS. Support for other languages such as Python, Ruby, Node.js, and M among others is available via plug-ins. Java (and J#) were supported in the past.

- The most basic edition of Visual Studio, the Community edition, is available free of charge. The slogan for Visual Studio Community edition is "Free, fully-featured IDE for students, open-source and individual developers".

- The currently supported Visual Studio version is 2019.

Technology:

❖ **C#:**

• C# is a general-purpose, modern and object-oriented programming language pronounced as “C Sharp”. It was developed by Microsoft led by Anders Hejlsberg and his team within the *.NET* initiative and was approved by the European Computer Manufacturers Association (ECMA) and International Standards Organization (ISO). C# is among the languages for Common Language Infrastructure. C# is a lot similar to Java syntactically and is easy for users who have knowledge of C, C++ or Java.

❖ **SQL:**

• **SQL** (**Structured Query Language**) is a domain-specific language used in programming and designed for managing data held in a relational database management system (RDBMS), or for stream processing in a relational data stream management system (RDSMS). It is particularly useful in handling structured data, i.e. data incorporating relations among entities and variables.

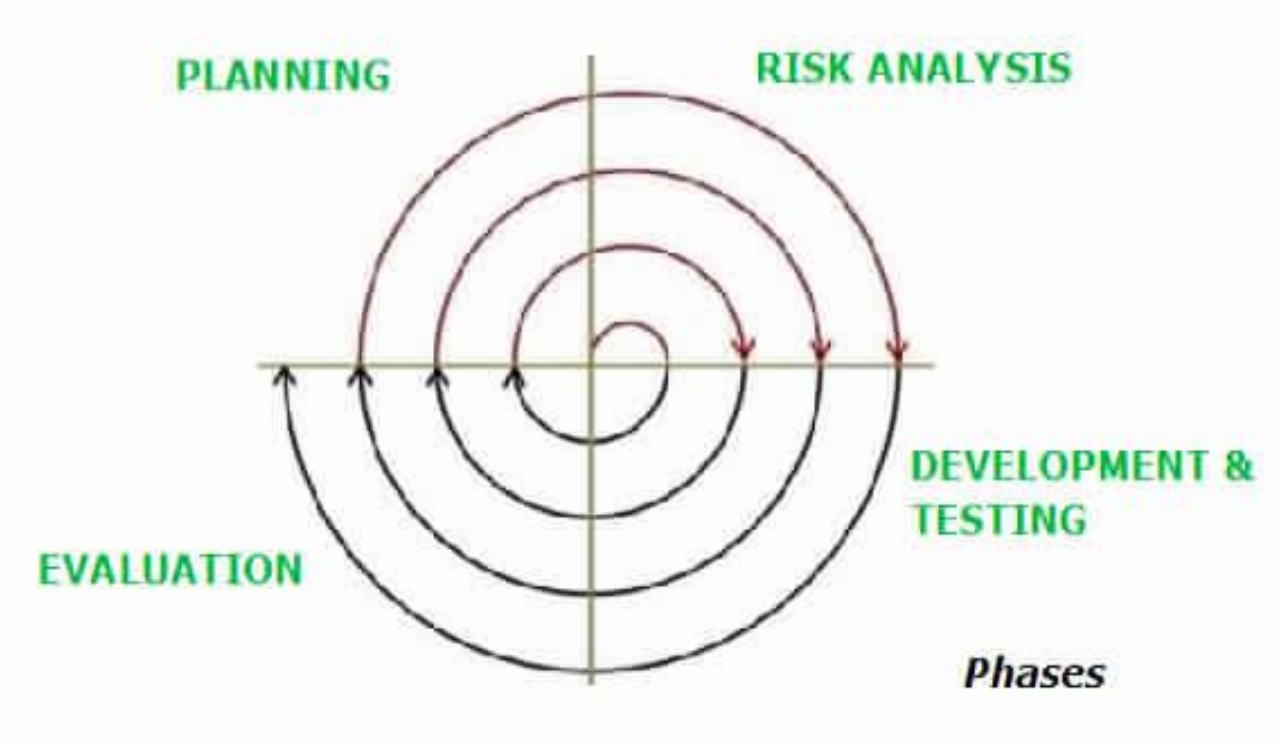
Chapter 3: Design Phase

3.1 Detailed life cycle of the project (Logical Design):

The development life cycle model chosen for project is spiral model. The Spiral Model:

This Spiral Model is a risk-driven process model generator for software projects. Based on unique risk patterns of given project, the spiral model guides a team to adopt elements of one or more process models, such as incremental waterfall or evolutionary prototyping.

- The spiral model is a risk driven process model generator for software project.
- This provides support for risk handling.
- It is an iterative model.
- It allows incremental releases of product or incremental refinement through each iteration around the spiral



Phases of spiral model are:

1. Identification
2. Design
3. Construct or Build
4. Evaluation and risk analysis

1. Identification:

- This phase consists of gathering the requirements for this project.

2. Design:

- This interface of system is developed keeping in mind that it should be good looking, attract at first sight, easy to understand and self-explanatory.
- The scope clearly defines the boundaries of proposed system.

3. Construction:

1. The system will bridge the gap between the seller and the customer.
2. They all can communicate each other and availability of thing will increase.

The main features while executions phase are: -

- **Efficiency**

The Efficiency of any system is concerned with the minimum processing time as well as the optimal use of system resource in designing the proposed system; the efficiency factor has been taken well into consideration.

- **User-Friendly Interface**

The interface will be user friendly so that a common user can use It easily. It makes it very easy for user to jump from one section to another.

Another uniqueness of design_Id that it is based on fluid interface it can adjust itself accordingly to device in which system is being used.

- **Data Security and Integrity**

  Data Security and integrity is our top most priority we will make sure that private data of every single user remains confidential and never be compromised. For this purpose, we will use efficient security mechanisms.

- **Feasibility**

  Our application solution is aimed to provide with: Technology and Control.

- **Extensibility**

  Key features of proposed solution would be its extensibility. Our solution enables a new levels of remote automation, programmability and extensibility using modern technology.

- **Scalability**

  Scalability can be defined as the ease with which a system or components can be modified to fit the problems are. Our system will easily be modified.

4. Evaluation and risk analysis

- Risk Analysis include identifying, estimating and monitoring technical feasibility and management risks such as loss of internet connection or done legacy problems.

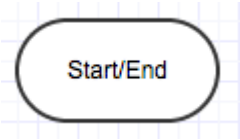
- Evaluation is the process which overcomes all the risk analysis and modified the risk analysis and modified the application and adds various data or keeps the application updated.

3.2 Flow Chart:

- A flowchart is described as "cross-functional" when the chart is divided into different vertical or horizontal parts, to describe the control of different organizational units.
- A symbol appearing in a particular part is within the control of that organizational unit.
- A cross-functional flowchart allows the author to correctly locate the responsibility for performing an action or making a decision, and to show the responsibility of each organizational unit for different parts of a single process.
- It uses different symbols to represent different terminology are as follow:

1. **The Oval : -** An End or a Beginning

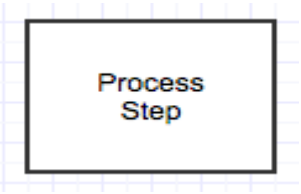
   The oval is used to represent the start and end of a process.



Oval

2. **The Rectangle : -** A Step in the Flowcharting Process

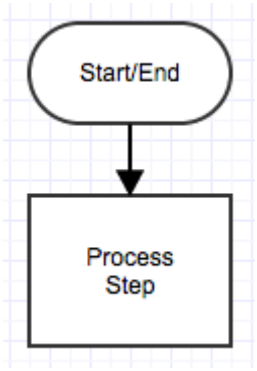
   The rectangle is your go-to symbol. It represents any step in the process you'r depicting and is the workhorse of the flowchart diagram.



Rectangle

3. **The Arrow : -** Directional Flow

The arrow is used to guide the viewer along their flowcharting path



Arrow

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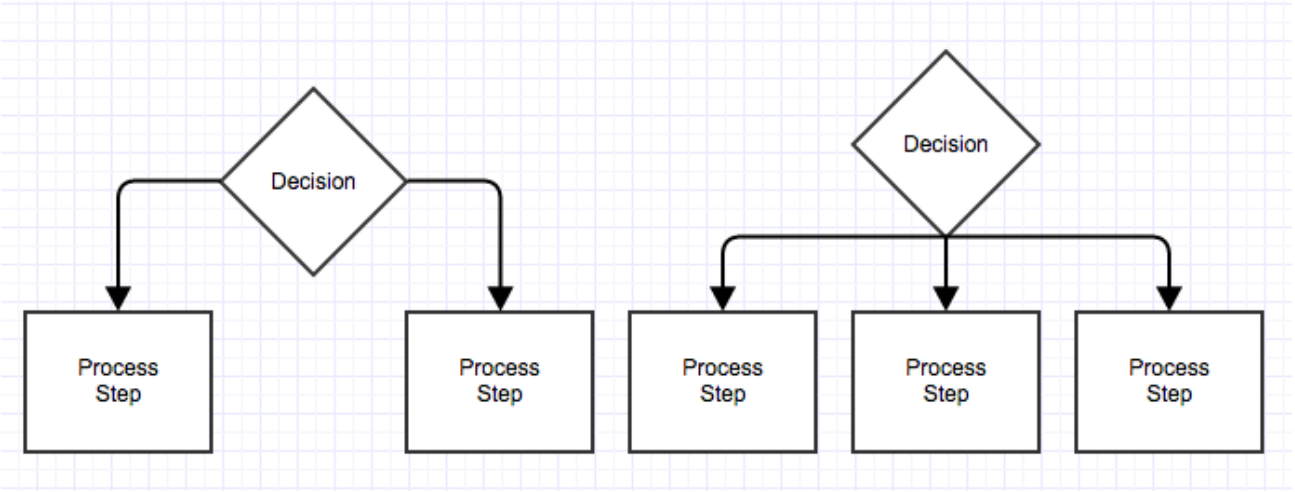
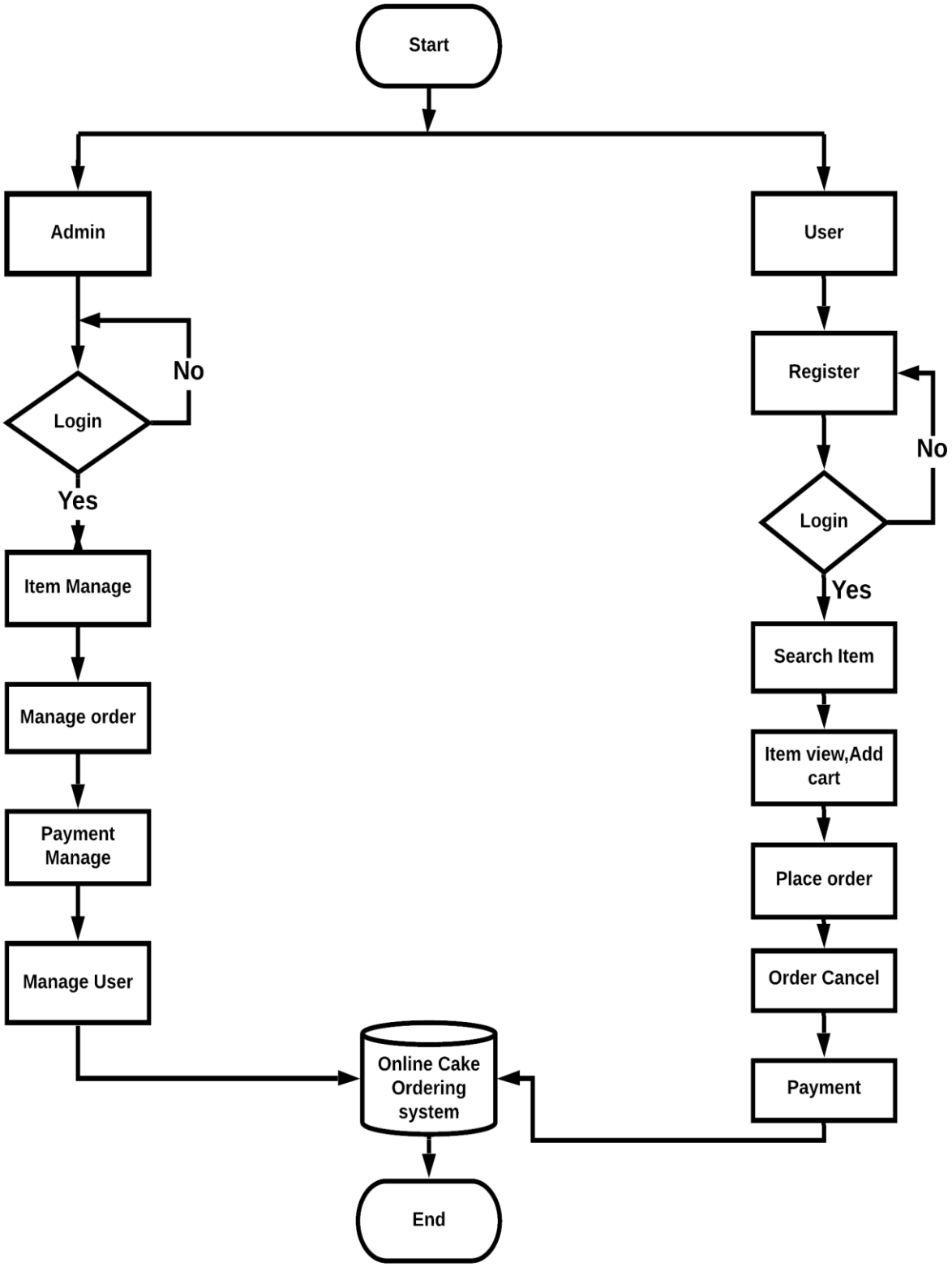
4. **The Diamond : -** Call for a Decision

The diamond symbolizes that a decision needs to be made.



Diamond


Start
Admin
User
Login
No
Yes
Register
No
Login
Yes
Item Manage
Manage order
Payment Manage
Manage User
Search Item
Item view,Add cart
Place order
Order Cancel
Payment
Online Cake Ordering system
End

3.3 Class Diagram:

• In software engineering, a class diagram in the Unified Modeling Language (UML) is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations (or methods), and the relationships among objects.

• The class diagram is the main building block of object-oriented modeling.

• It is used both for general conceptual modeling of the systematic of the application, and for detailed modeling translating the models into programming code.

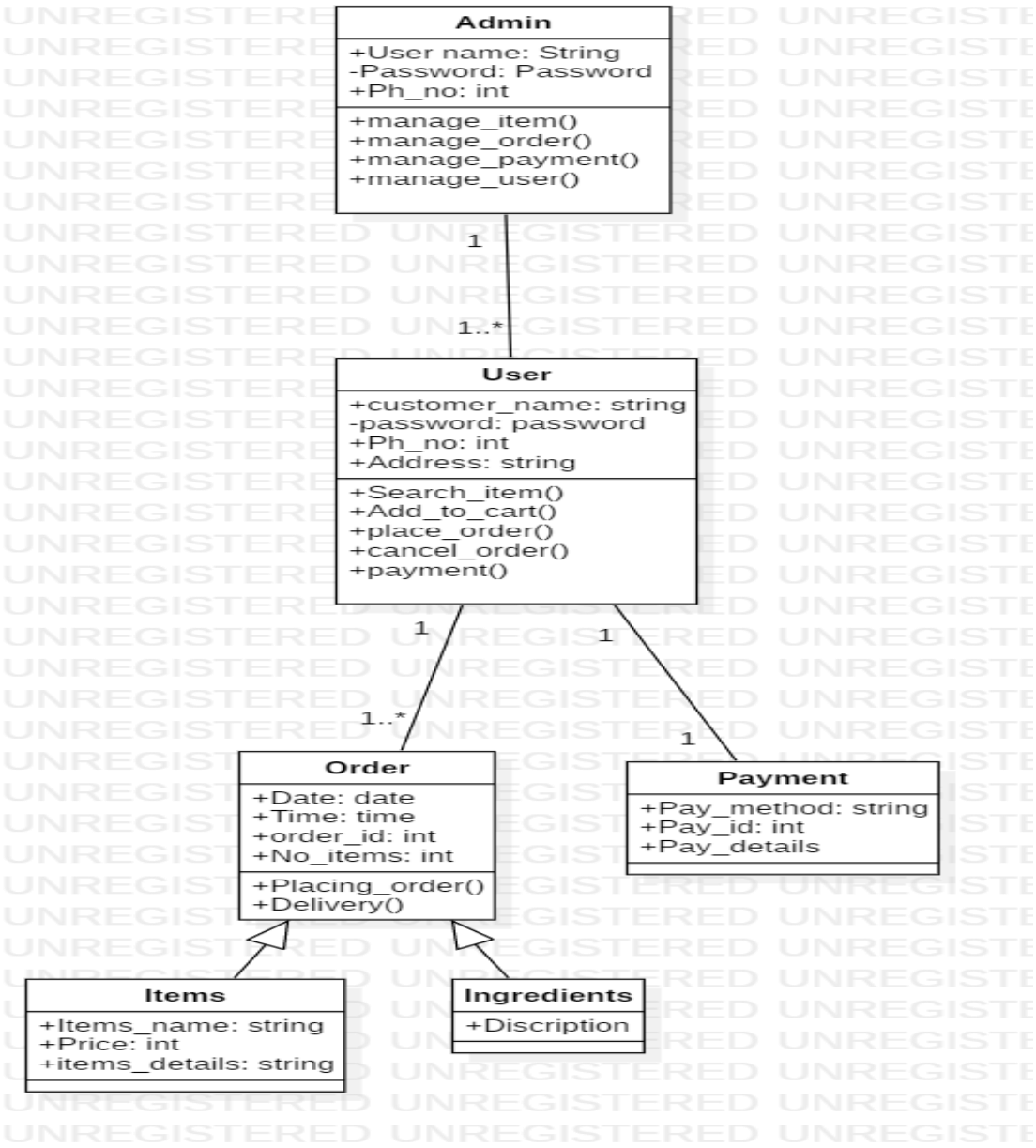
• Class diagrams can also be used for modeling.

• The classes in a class diagram represent both the main elements, interactions in the application, and the classes to be programmed.

• The + sign indicates that the entity are public.

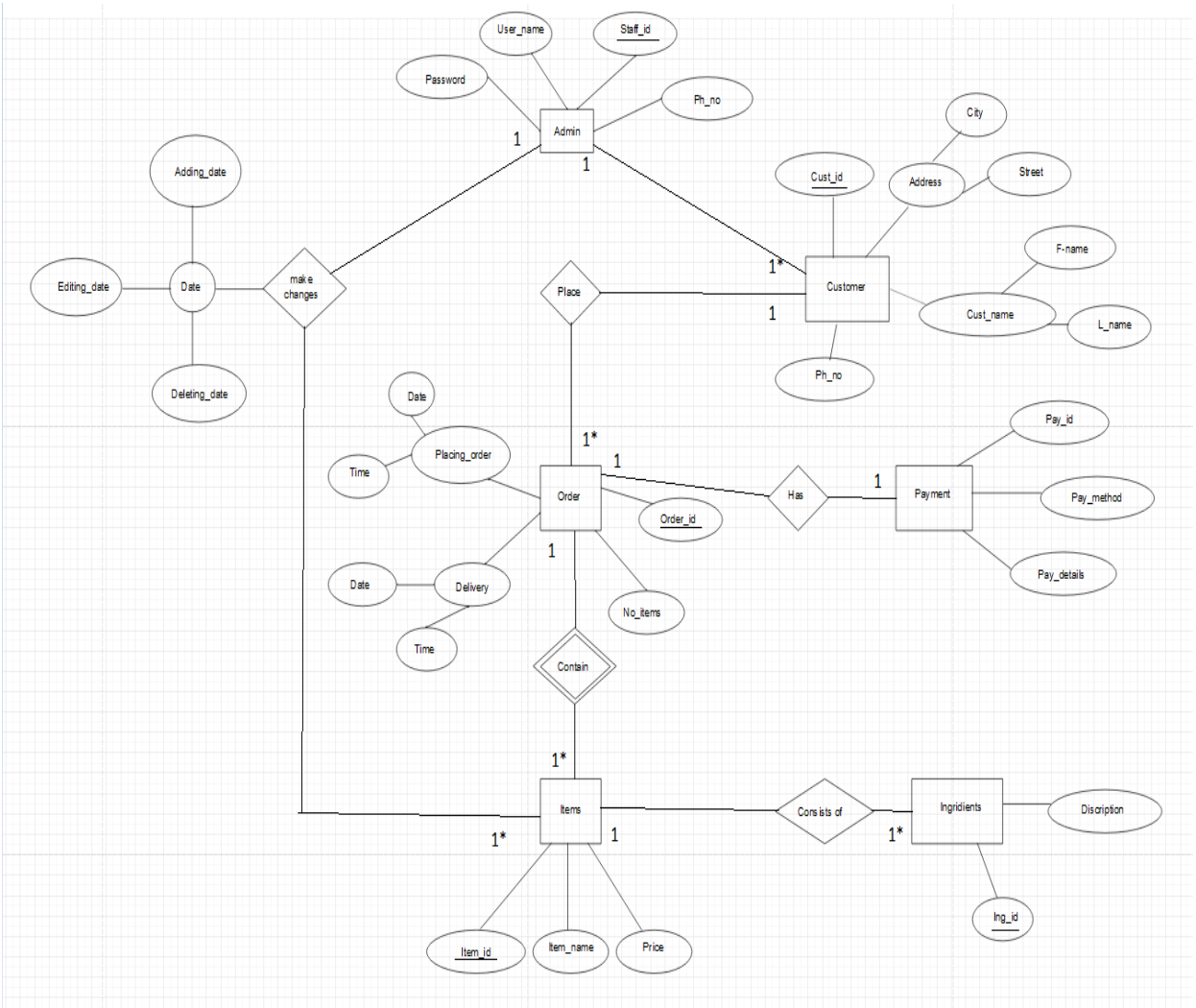
• The – sign indicate that the entity are private.

• The # sign indicate that the entity are protected


Admin
+User name: String
-Password: Password
+Ph_no: int
+manage_item()
+manage_order()
+manage_payment()
+manage_user()
1
1..*
User
+customer_name: string
-password: password
+Ph_no: int
+Address: string
+Search_item()
+Add_to_cart()
+place_order()
+cancel_order()
+payment()
1
1
1..*
1
Order
+Date: date
+Time: time
+order_id: int
+No_items: int
+Placing_order()
+Delivery()
Payment
+Pay_method: string
+Pay_id: int
+Pay_details
Items
+Items_name: string
+Price: int
+items_details: string
Ingredients
+Discription

3.4 E-R Diagram:

An Entity Relationship (ER) Diagram is a type of flowchart that illustrates how "entities" such as people, objects or concepts relate to each other within a system. ER Diagrams are most often used to design or debug relational databases in the fields of software engineering, business information systems, education and research. Also known as ERDs or ER Models, they use a defined set of symbols such as rectangles, diamonds, ovals and connecting lines to depict the interconnectedness of entities, relationships and their attributes. They mirror grammatical structure, with entities as nouns and relationships as verbs.



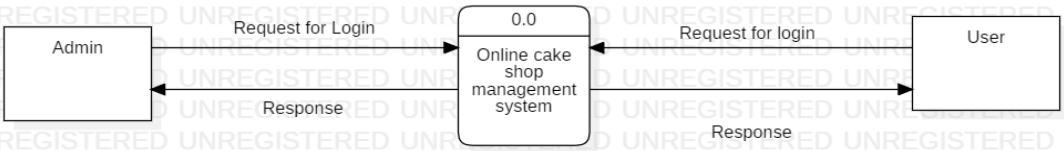
3.5 DFD:

A Data Flow Diagram (DFD) is a structured analysis and design tool that can be used for flowcharting. A DFD is a network that describes the flow of data and the processes that change or transform the data throughout a system. This network is constructed by using a set of symbols that do not imply any physical implementation. It has the purpose of clarifying system.

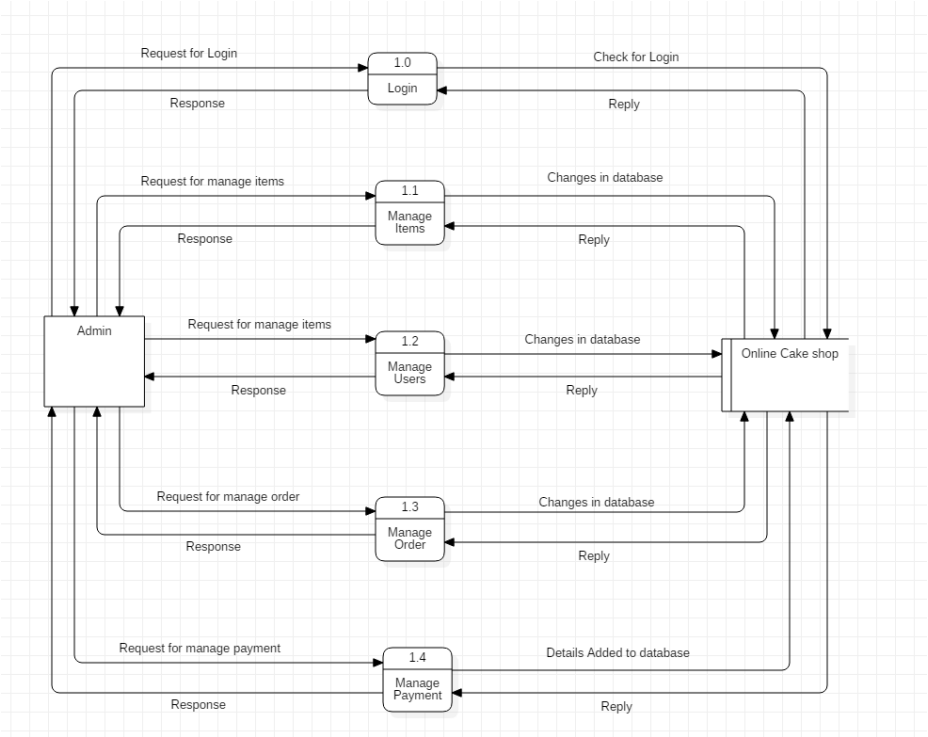
Advantages

o A simple but powerful graphical technique which is easily understood. o Represents an information system from the viewpoint of data movements, which includes the inputs and outputs to which people can readily relate. o The ability to represent the system at different levels of details gives added advantage. o Helps to define the boundaries of the system.

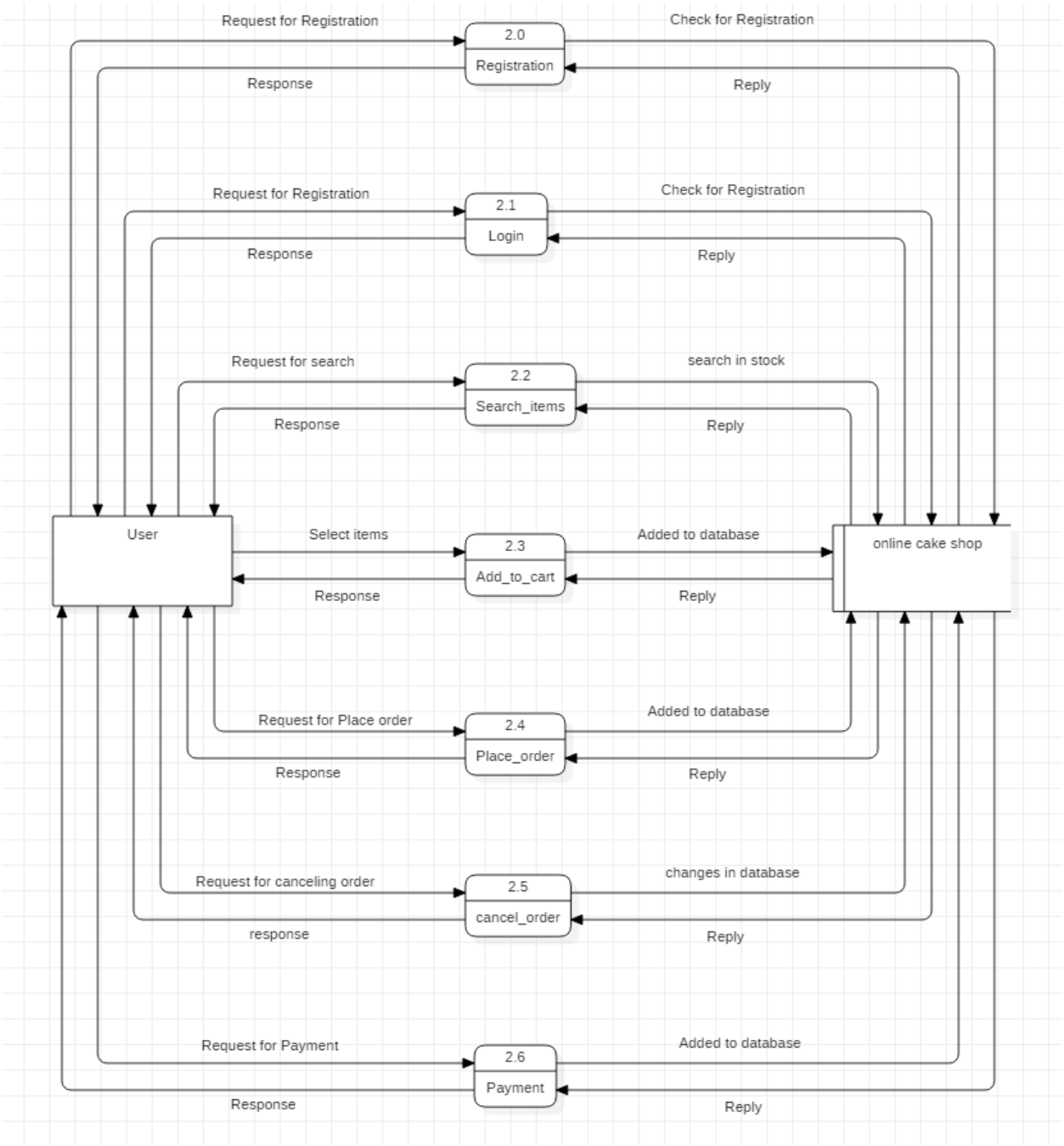
Level 0 :-



Level 1 :-

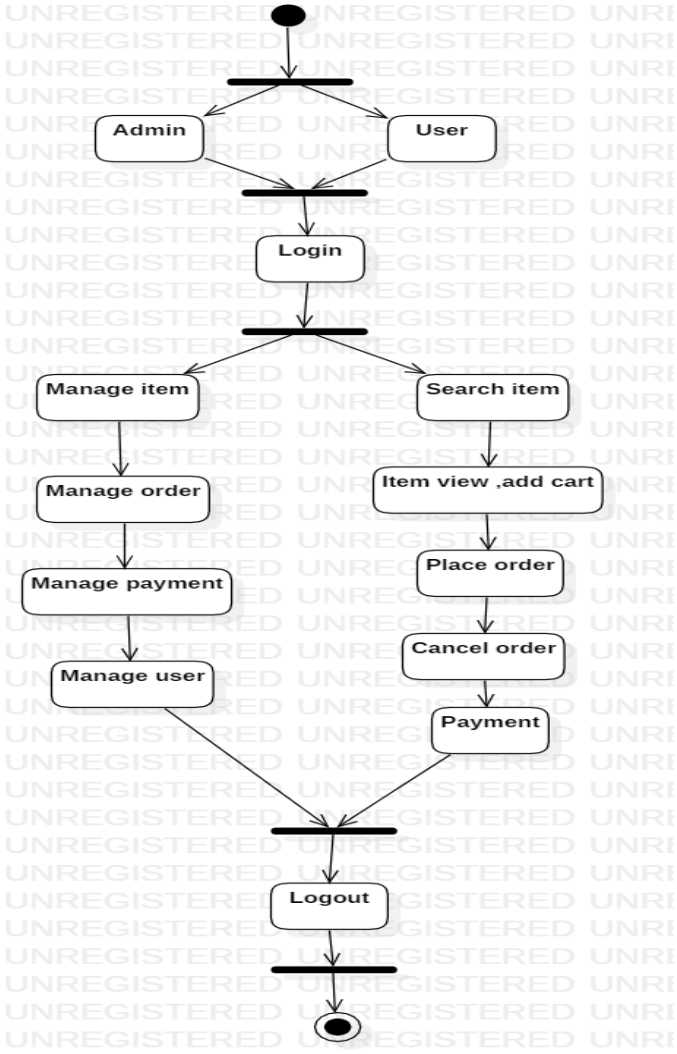

Request for Login
1.0
Login
Check for Login
Response
Reply
Request for manage items
1.1
Manage Items
Changes in database
Response
Reply
Admin
Request for manage items
1.2
Manage Users
Changes in database
Online Cake shop
Response
Reply
Request for manage order
1.3
Manage Order
Changes in database
Response
Reply
Request for manage payment
1.4
Manage Payment
Details Added to database
Response
Reply

Level 2 :-


Request for Registration
2.0
Registration
Check for Registration
Response
Reply
Request for Registration
2.1
Login
Check for Registration
Response
Reply
Request for search
2.2
Search_items
search in stock
Response
Reply
User
Select items
2.3
Add_to_cart
Added to database
online cake shop
Response
Reply
Request for Place order
2.4
Place_order
Added to database
Response
Reply
Request for canceling order
2.5
cancel_order
changes in database
response
Reply
Request for Payment
2.6
Payment
Added to database
Response
Reply

3.6 Activity Diagram:

- Activity diagram is another important diagram in UML to describe the dynamic aspects of the system.
- Activity diagram is basically a flowchart to represent the flow from one activity to another activity.
- The activity can be described as an operation of the system.
- The control flow is drawn from one operation to another.
- This flow can be sequential, branched, or concurrent.
- Activity diagrams deal with all type of flow control by using different elements such as fork, join, etc.



3.7 Use-case diagram:

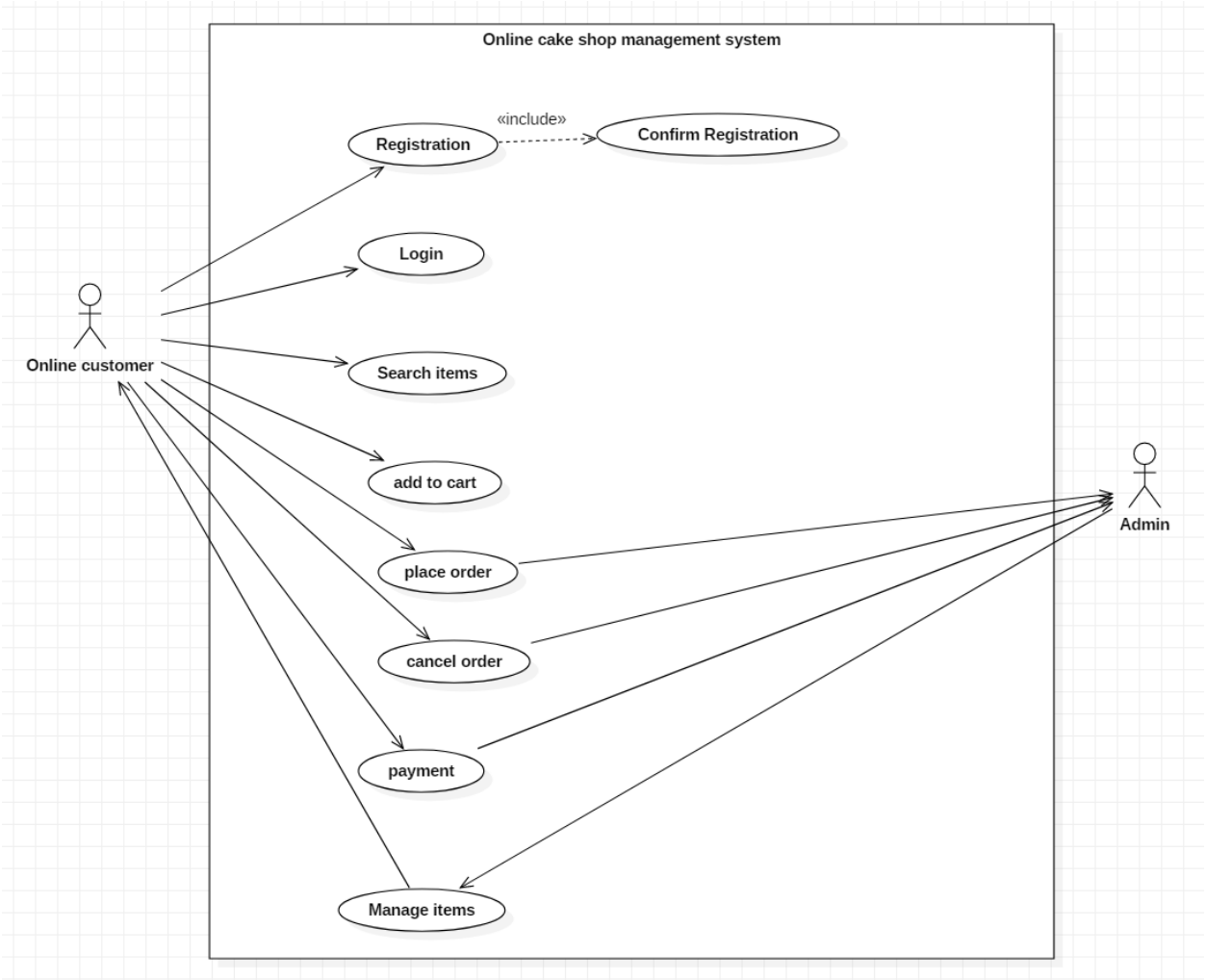
• A use case diagram in the Unified Modeling Language (UML) is a type of behavioral diagram defined by and created from a Use – Case analysis.

• Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their goals (represented as use cases), and any dependencies between those use cases.

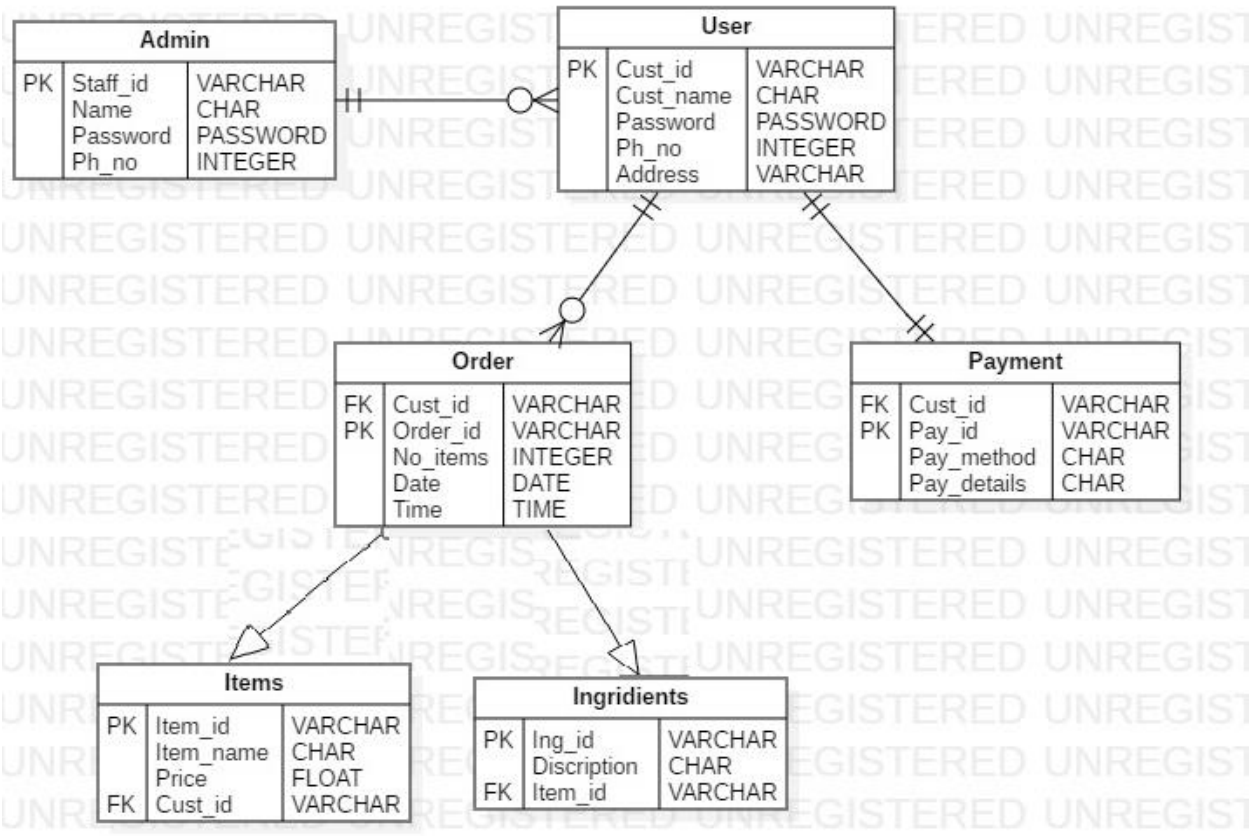
• The main purpose of use case diagram is to show what system functions are performed for which actor.

• Roles of the actors in the system can be depicted.

• Use Case diagrams are formally included in two modeling languages defined by the OMG: the Unified Modeling Languages (UML) and the System Modeling Language (SML).



3.8 Database Dictionary diagram:

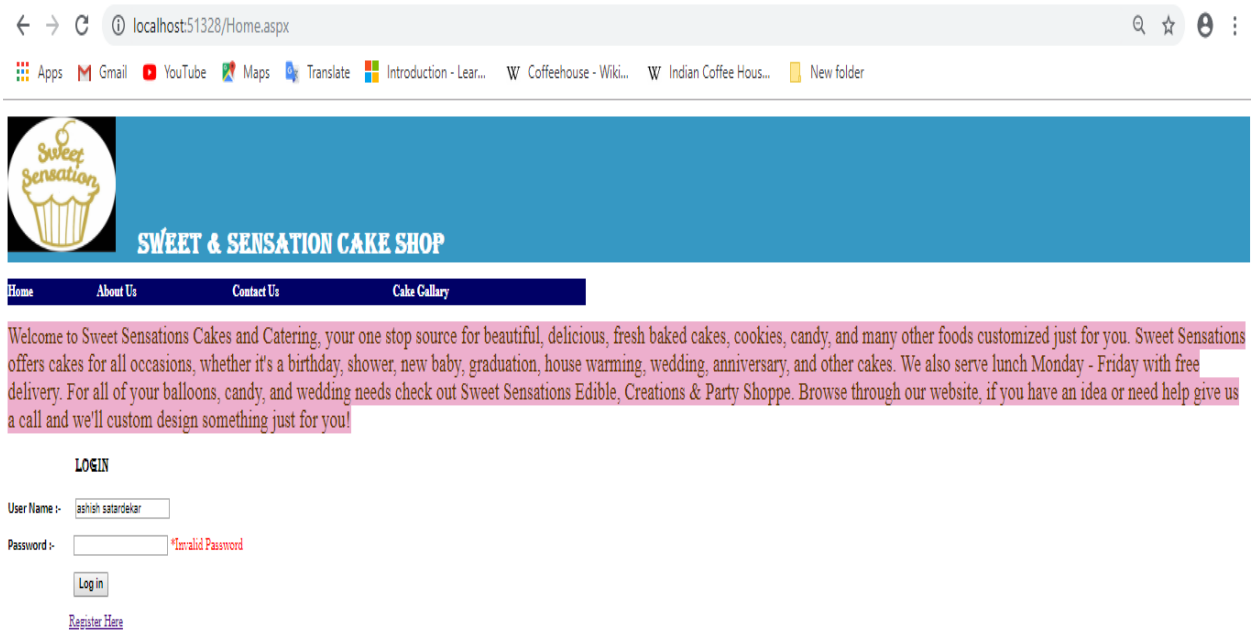


3.9 Event Table:

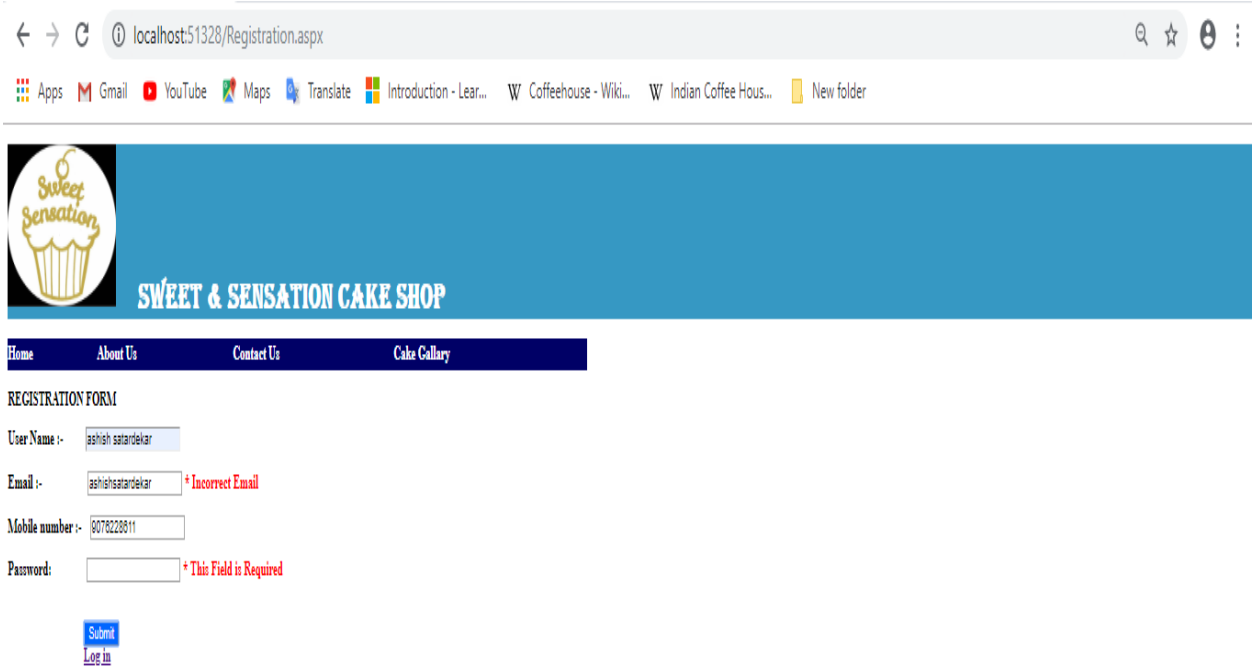
Events	Triggers	Source	Response	Destination
Registration	User Registration	User	User registered or not	Details added to the database
Login	Enters to system features	User/Admin	Valid or Invalid	Accessing System
Search items	Request for Searching items	User	Details of the search	User
Add to cart	Request for adding to cart	User	Details of the added items	User & database
Place order	Request for placing order	User	Details of the order	User & Changes in database
Cancel order	Request for canceling order	User	Details of cancelations	User & Changes in database
Make payment	Request for payment	User	Details of payment	User & Database
Manage items	Request for managing items	Admin	Details of managed items	Added to database
Manage Users	Request for managing Users	Admin	Add,modify,delete selected user	Added to database
Manage order	Request for managing order	Admin	Add,modify,delete orders	Added to database
Manage Payment	Manage payment	Admin	Details of payments	Added to database

Chapter 4: GUI Design

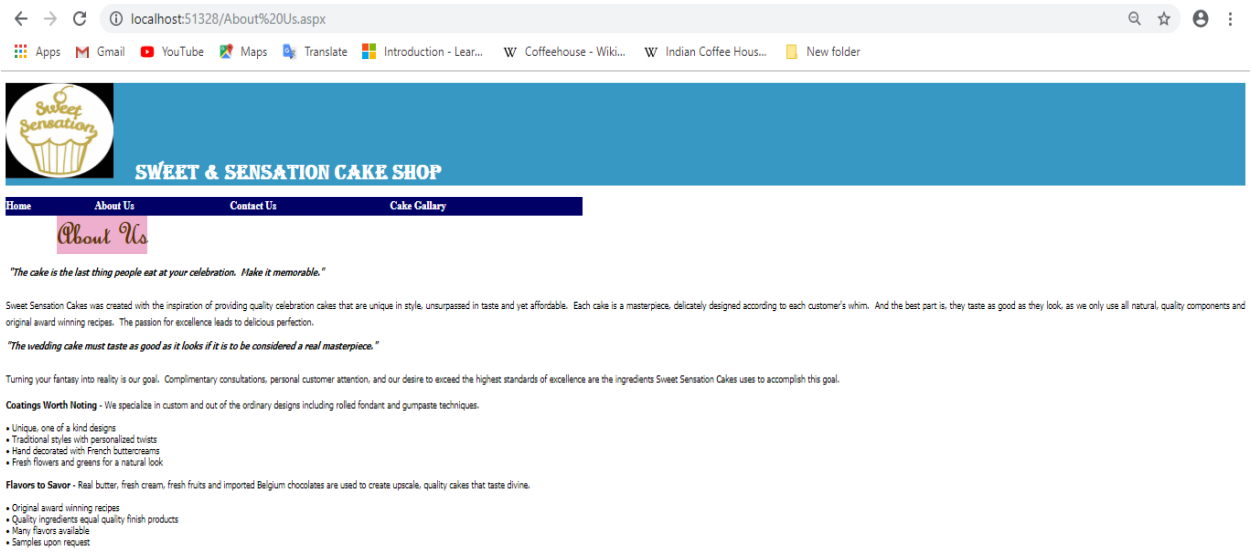
Home page:-



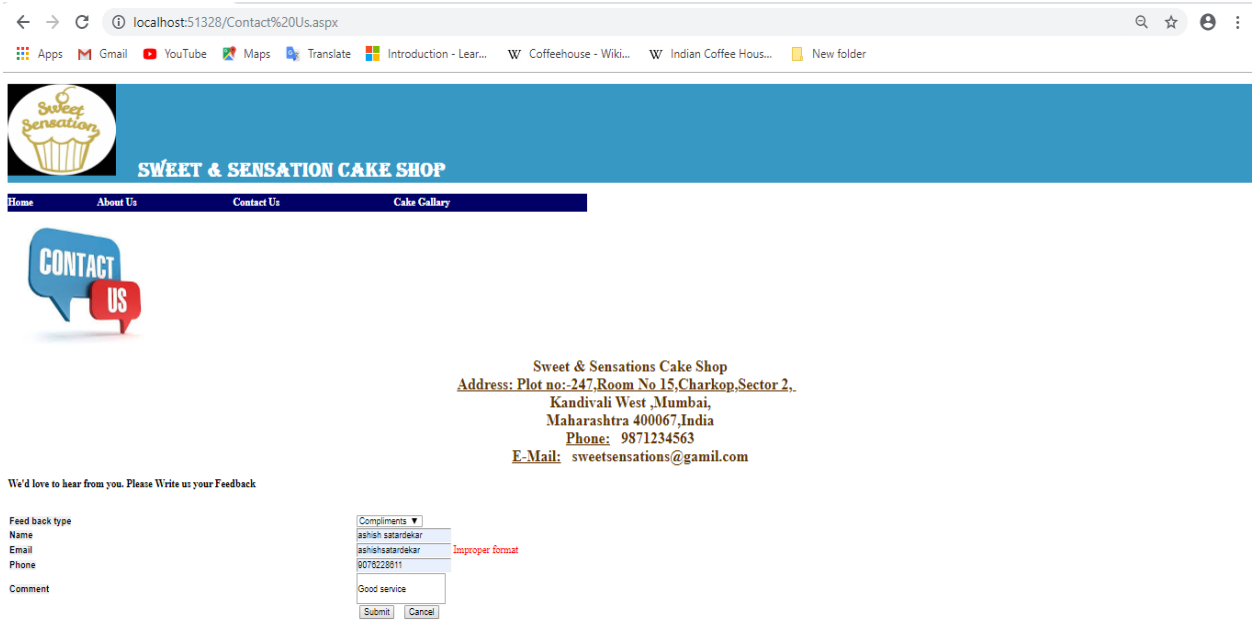
Registration:-



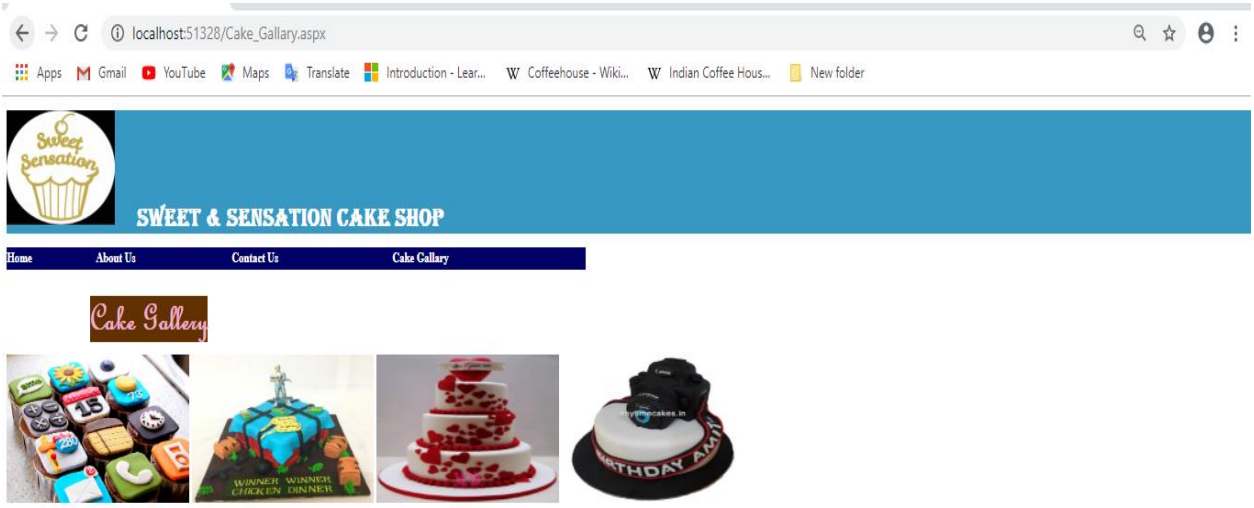
About Us:-



Contact Us:-



Cake Gallery:-



Chapter 5: Implementation and Testing

5.1 Implementation: -

Step 1:

The user will first register on the website. There they need to enter details like username, name, password and contact number.

Step 2:

The user will have to login into the website for accessing the system. There they need to enter username/email id and password which they did for registering.

Step 3:

Then select the cake you want and click on add to cart button.

Step 4:

Then the cake gets added to the cart.

Step 5:

Then the user can also buy the cake.

• User Registration: User can register on the system and get his online account on site.

• User Login: User can login to system and check various Cake and bakery items.

• Product: The cakes and bakery items are arranged and can be viewed

• Add to cart: Users can add new items to cart.

• Credit card payment: After total bill is calculated user can pay via credit card online.

5.1.1 Coding: -

MasterPage2.master

```
<%@ Master Language="C#" AutoEventWireup="true" CodeFile="MasterPage2.master.cs" Inherits="MasterPage2" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title>Sweet-cakes Website</title>
                <link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
                <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
                <script src="js/jquery.min.js"></script>
                 <!-- Custom Theme files -->
                <link href="css/style.css" rel='stylesheet' type='text/css' />
                 <!-- Custom Theme files -->
                <meta name="viewport" content="width=device-width, initial-scale=1"/>
                <script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){ window.scrollTo(0,1); }
</script>
                <!----webfonts--->
                <link
href='http://fonts.googleapis.com/css?family=Open+Sans:300,700,800,400,600'
rel='stylesheet' type='text/css'/>
                <!---//webfonts--->
   <asp:ContentPlaceHolder ID="head" runat="server">
   </asp:ContentPlaceHolder>
</head>
<body>
   <form id="form1" runat="server">
   <div>
      <!-- container -->
                <!-- top-header -->
                <div class="top-header">
                        <div class="container">
                                <div class="top-header-left">
                                        <ul>
                                                <li><a href="myaccount.aspx">My
Account</a></li>
                                                <li><a
href="Checkout.aspx">Checkout</a></li>
                                        </ul>
                                </div>
                                <div class="top-header-center">
                                        <a href="cart.aspx"><p><span class="cart">
</span>Cart</p></a>
                                </div>
                                <div class="top-header-right">
```

```
                                        <ul>
                                              <li>

            &nbs
p;            &n
bsp;            
            &nbs
p;  
                                              </li>
            <li><a href="about.aspx">Log Out</a></li>
                                        </ul>
                                  </div>
                                  <div class="clearfix"> </div>
                        </div>
            </div>
            <!-- /top-header -->
            <!-- main-menu -->
            <div class="main-menu">
                        <div class="container">
                        <div class="head-nav">
                                  <span class="menu"> </span>
                                  <ul>
                                        <li class="active"><a
href="Home.aspx">Home</a></li>
                                        <li><a href="products.aspx">products</a></li>
                                        <li><a href="about1.aspx">about</a></li>
                                        <li><a href="contact1.aspx">Contact</a></li>
                                  </ul>
                        </div>
                                  <!-- script-for-nav -->
                                        <script>
                                              $( "span.menu" ).click(function() {
                                                $( ".head-nav ul" ).slideToggle(300, function()
{
                                                    // Animation complete.
                                                });
                                              });
                                        </script>
                                  <!-- script-for-nav -->

                                  <!-- logo -->
                                  <div class="logo">
                                        <a href="Home.aspx"><img src="images/logo.png"
title="Sweetcake" /></a>
                                  </div>
                                  <!-- logo -->
                        </div>
            </div>
            <!-- /main-menu -->
            <asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
```

```
    </asp:ContentPlaceHolder>
      <!-- footer -->
      <div class="footer">
            <div class="container">
                  <div class="footer-top">
                        <div class="col-md-3 location">
                              <h4>location</h4>
                              <p>#Kandivali(W),Mumbai,
            Maharashtra</p>
                              <h4>hours</h4>
                              <p>Weekdays 7 a.m.-7 p.m.</p>
                              <p>Weekends 8 a.m.-7 p.m.</p>
                              <p>Call for Holidays Hours.</p>
                        </div>
                        <div class="col-md-3 customer">
                              <h4>customer service</h4>
                              <p>Best customer services</p>
                              <h4>phone</h4>
                              <h6>907622611</h6>
                              <h4>contact us</h4>
                              <a href="contact.aspx">Contact us Page</a>
                        </div>
                        <div class="col-md-3 social">
                              <h4>get social</h4>
                              <div class="face-b">
                                    <img src="images/foot.png" title="name"/>
                                    <a href="http://www.facebook.com"
target="_blank"><i class="fb"> </i></a>
                              </div>
                              <div class="twet">
                                    <img src="images/foot.png" title="name"/>
                                          <a href="http://www.twitter.com"
target="_blank"><i class="twt"> </i></a>
                              </div>
                        </div>
                  </div>
            </div>
      </div>
      <!-- /footer -->
   </div>
   </form>
</body>
</html>
```

about.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
AutoEventWireup="true" CodeFile="about.aspx.cs" Inherits="_Default" %>
```

```
<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
Runat="Server">
   <!---start-about---->
                                        <div class="about">
                                            <div class="container">
                                                <h3>About</h3>
                                                <img src="images/about.jpg"
class="img-responsive" title="image-name" />
                                                <p>A celebration is never complete
without gratifying your dear ones with something sweet and delicious. To make sure that you
have something truly fascinating, our online cake shop has come up with an online cake
delivery service in India. Now, you can easily order cake online and get it delivered
anywhere in India. Cakes have become a vital component of occasions, parties and
celebrations. If you are unable to visit in India on special occasions, then you can still mark
your presence by ordering a cake and send cake online from any part of the world. Our
flavorsome cake will surely win the heart of your loved ones. So, go ahead and order cake
online to bring a massive smile on the face of your loved ones.</p>
                                                <p>Sweet cakes is a prominent online
cake brand that you can bank upon without giving a single thought. We are a team of experts
who desired to spread happiness in the life of everyone and our cakes are the weapons that
enable us to prove our motto i.e “Celebrate Relation”. We are strongly inclined towards
relations and therefore we have come up with online cake delivery in India. Cakes are the
medium that can infuse more love and happiness in relationships. Therefore, you can order
cake online to add joy and adoration in your relationship. Cakes are the perfect gift option
and always manage to entice the foodie soul of your dear ones, regardless of what the
occasions are. The gorgeous appearance of soft and fluffy cake layers inevitably triggers the
foodie within your special ones and makes their mouth watery. Cakes are the heavenly
delight that people love to gift their loved ones. We deliver cakes online across India so that
you can easily send cake online to your near and dear ones using our online cake delivery
service.</p>
                                            </div>
                                        </div>
                                        <!---End-about---->
</asp:Content>
```

contact.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
AutoEventWireup="true" CodeFile="contact.aspx.cs" Inherits="_Default" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
Runat="Server">
   <!---start-content----->
                        <div class="content">
                        <div class="container">
                        <h2>Contact</h2>
```

```
<!----start-main-content----->
<div class="main-content">
        <!---start-contact---->
        <div class="contact">
        <div class="contact_info">
        <h3>Find Us Here</h3>
            <div class="map">
                <iframe  height="175"
src="https://maps.google.co.in/maps?f=q&amp;source=s_q&amp;hl=en&amp;geocode=&amp;q=Lighthouse+Point,+FL,+United+States&amp;aq=4&amp;oq=light&amp;sll=26.275636,-80.087265&amp;sspn=0.04941,0.104628&amp;ie=UTF8&amp;hq=&amp;hnear=Lighthouse+Point,+Broward,+Florida,+United+States&amp;t=m&amp;z=14&amp;ll=26.275636,-80.087265&amp;output=embed" style="width: 999px"></iframe><br/><small><a
href="https://maps.google.co.in/maps?f=q&amp;source=embed&amp;hl=en&amp;geocode=&amp;q=Lighthouse+Point,+FL,+United+States&amp;aq=4&amp;oq=light&amp;sll=26.275636,-
80.087265&amp;sspn=0.04941,0.104628&amp;ie=UTF8&amp;hq=&amp;hnear=Lighthouse+Point,+Broward,+Florida,+United+States&amp;t=m&amp;z=14&amp;ll=26.275636,-80.087265" style="color:#666;text-align:left;font-size:12px">View Larger Map</a></small>
                </div>
        </div>
                <div class="section group">

        <div class="col span_1_of_3">

<div class="company_address">
        <h3>Bakery Information :</h3>
                <p>Plot no:-247,Room No
15,Charkop,Sector 2,</p>
                <p>Kandivali
West,Mumbai,Maharashtra 400067,</p>
                <p>India</p>
            <p>Phone:(+91) 9871234563</p>
            <p>Fax: (000) 000 00 00 0</p>
            <p>Email:
<span>sweetcakes@mycompany.com</span></p>
            <p>Follow on: <span>Facebook</span>,
<span>Twitter</span></p>
          </div>
        </div>
        <div class="col span_2_of_3">
          <div class="contact-form">
        <h3>Contact Us</h3>
            <div>
                <span><label>NAME</label></span>
                <span><asp:TextBox
runat="server"></asp:TextBox></span>
              </div>
              <div>
                <span><label>E-MAIL</label></span>
```

```
                                        <span><asp:TextBox
runat="server"></asp:TextBox></span>
                                    </div>
                                    <div>
                                        <span><label>MOBILE</label></span>
                                        <span><asp:TextBox
runat="server"></asp:TextBox></span>
                                    </div>
                                    <div>

        <span><label>SUBJECT</label></span>
                                        <span><textarea name="userMsg">
</textarea></span>
                                    </div>
                                   <div>
                                            <span><asp:Button
ID="btncontact" OnClick="btncontact_Click" runat="server"
Text="Submit"></asp:Button></span>
                                    </div>
                                </div>
                            </div>
                        </div>
                                <!---End-contact---->
                    </div>
                    <div class="clear"> </div>
                    <!----End-main-content----->
                </div>
                </div>
                </div>
</asp:Content>
```

products.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage2.master"
AutoEventWireup="true" CodeFile="products.aspx.cs" Inherits="_Default" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
Runat="Server">
   <!-- /main-menu -->
        <!-- service -->
<div class="biseller-info">
<div class="container">
<h2>Products</h2>
<h3 class="new-models">new varieties</h3>
                    <ul id="flexiselDemo3">
                        <li>
                            <div class="biseller-column">
```

```
            <asp:Image ID="Image1" src="images/11.jpg" alt="" class="veiw-img"
runat="server"/>
                                    <div class="biseller-name">
            <asp:Label ID="DropDownList1" runat="server" Font-Size ="Large"
      AutoPostBack="True" Width="139px"

onselectedindexchanged="DropDownList1_SelectedIndexChanged">Delicious</asp:Label>
            <asp:Label ID="Label1" runat="server"  Font-Bold
="True"><p>Rs.1000</p></asp:Label>
                                    </div>
                                        <asp:Button ID="Button1" runat="server"
Text="ADD TO CART" onclick="Button1_Click"/>
            <a href="checkout/Checkout.aspx" runat="server" role="button">Buy</a>

                                    </div>
                                </li>
                                <li>
                                    <div class="biseller-column">
                                    <asp:Image ID="Image2" src="images/12.jpg" alt=""
class="veiw-img" runat="server"/>
                                    <div class="biseller-name">
            <asp:Label ID="DropDownList2" runat="server" Font-Size ="Large"
      AutoPostBack="True" Width="139px"
      onselectedindexchanged="DropDownList2_SelectedIndexChanged">Printed
Cake</asp:Label>
            <asp:Label ID="Label2" runat="server"  Font-Bold
="True"><p>Rs.2000</p></asp:Label>
                                    </div>
                                        <asp:Button ID="Button2" runat="server"
Text="ADD TO CART" onclick="Button2_Click"/>
            <a href="checkout/Checkout.aspx" runat="server" role="button">Buy</a>

                                    </div>
                                </li>

                                <li>
                                    <div class="biseller-column">
                                    <asp:Image ID="Image3" src="images/13.jpg" alt=""
class="veiw-img" runat="server"/>
                                    <div class="biseller-name">
            <asp:Label ID="DropDownList3" runat="server" Font-Size ="Large"
      AutoPostBack="True" Width="139px"
      onselectedindexchanged="DropDownList3_SelectedIndexChanged">Forest
Egg</asp:Label>
            <asp:Label ID="Label3" runat="server"  Font-Bold
="True"><p>Rs.3000</p></asp:Label>
                                    </div>
                                        <asp:Button ID="Button3" runat="server"
Text="ADD TO CART" onclick="Button3_Click"/>
```

```
                <a href="checkout/Checkout.aspx" runat="server" role="button">Buy</a>

                                        </div>
                                </li>
                                <li>
                                        <div class="biseller-column">
                                        <asp:Image ID="Image4" src="images/14.jpg" alt="" 
class="veiw-img" runat="server"/>
                                        <div class="biseller-name">
                <asp:Label ID="DropDownList4" runat="server" Font-Size ="Large" 
        AutoPostBack="True" Width="139px" 
        onselectedindexchanged="DropDownList4_SelectedIndexChanged">Butter Scotch 
</asp:Label>
                <asp:Label ID="Label4" runat="server"  Font-Bold 
="True"><p>Rs.4000</p></asp:Label>
                                        </div>
                                                <asp:Button ID="Button4" runat="server" 
Text="ADD TO CART" onclick="Button4_Click"/>
                <a href="checkout/Checkout.aspx" runat="server" role="button">Buy</a>
                                        </div>
                                </li>
                </ul>
                        </div>
                </div>

                        <script type="text/javascript">
                                $(window).load(function() {
                                        $("#flexiselDemo3").flexisel({
                                                visibleItems: 4,
                                                animationSpeed: 1000,
                                                autoPlay: false,
                                                autoPlaySpeed: 3000,
                                                pauseOnHover: true,
                                                enableResponsiveBreakpoints: true,
                                        responsiveBreakpoints: {
                                                portrait: {
                                                        changePoint:480,
                                                        visibleItems: 1
                                                },
                                                landscape: {
                                                        changePoint:640,
                                                        visibleItems: 2
                                                },
                                                tablet: {
                                                        changePoint:768,
                                                        visibleItems: 3
                                                }
                                        }
                                    });
```

```
                    });
                </script>
                <script type="text/javascript" src="js/jquery.flexisel.js"></script>

                    <div class="best-seller">
                    <div class="container">
                        <div class="biseller-info">
                         <h3 class="new-models">varieties</h3>
                        <ul id="flexiselDemo1">
                            <li>
                                <div class="biseller-column">
                        <asp:Image ID="Image5" src="images/18.jpg" alt="" 
class="veiw-img" runat="server"/>
                        <div class="biseller-name">
            <asp:Label ID="DropDownList5" runat="server" Font-Size ="Large" 
    AutoPostBack="True" Width="139px" 
    onselectedindexchanged="DropDownList5_SelectedIndexChanged">Chocolate 
</asp:Label>
            <asp:Label ID="Label5" runat="server"  Font-Bold 
="True"><p>Rs.800</p></asp:Label>
                        </div>
                            <asp:Button ID="Button5" runat="server" 
Text="ADD TO CART" onclick="Button5_Click"/>
                    <a href="checkout/Checkout.aspx" runat="server" 
role="button">Buy</a>
                        </div>
                            </li>
                            <li>
                                <div class="biseller-column">
                        <asp:Image ID="Image6" src="images/15.jpg" alt="" 
class="veiw-img" runat="server"/>
                        <div class="biseller-name">
            <asp:Label ID="DropDownList6" runat="server" Font-Size ="Large" 
    AutoPostBack="True" Width="139px" 
    onselectedindexchanged="DropDownList6_SelectedIndexChanged">Birthday 
Cakes</asp:Label>
            <asp:Label ID="Label6" runat="server"  Font-Bold 
="True"><p>Rs.900</p></asp:Label>
                        </div>
                            <asp:Button ID="Button6" runat="server" 
Text="ADD TO CART" onclick="Button6_Click"/>
                    <a href="checkout/Checkout.aspx" runat="server" 
role="button">Buy</a>
                        </div>
                            </li>
                            <li>
                                <div class="biseller-column">
                        <asp:Image ID="Image7" src="images/16.jpg" alt="" 
class="veiw-img" runat="server"/>
                        <div class="biseller-name">
```

```
                <asp:Label ID="DropDownList7" runat="server" Font-Size ="Large"
        AutoPostBack="True" Width="139px"
        onselectedindexchanged="DropDownList7_SelectedIndexChanged">Flower
Types</asp:Label>
                <asp:Label ID="Label7" runat="server"  Font-Bold
="True"><p>Rs.1000</p></asp:Label>
                                        </div>
                                                <asp:Button ID="Button7" runat="server"
Text="ADD TO CART" onclick="Button7_Click"/>
                        <a href="checkout/Checkout.aspx" runat="server"
role="button">Buy</a>
                                        </div>
                                                </li>
                                                <li>
                                                        <div class="biseller-column">
                                        <asp:Image ID="Image8" src="images/17.jpg" alt=""
class="veiw-img" runat="server"/>
                                        <div class="biseller-name">
                <asp:Label ID="DropDownList8" runat="server" Font-Size ="Large"
        AutoPostBack="True" Width="139px"
        onselectedindexchanged="DropDownList8_SelectedIndexChanged">Sheet
Cake</asp:Label>
                <asp:Label ID="Label8" runat="server"  Font-Bold
="True"><p>Rs.700</p></asp:Label>
                                        </div>
                                                <asp:Button ID="Button8" runat="server"
Text="ADD TO CART" onclick="Button8_Click"/>
                        <a href="checkout/Checkout.aspx" runat="server"
role="button">Buy</a>
                                        </div>
                                                </li>
                                </ul>
                                        </div>
                        </div>
                        </div>
                        <script type="text/javascript">
                                $(window).load(function() {
                                        $("#flexiselDemo1").flexisel({
                                                visibleItems: 4,
                                                animationSpeed: 1000,
                                                autoPlay: true,
                                                autoPlaySpeed: 3000,
                                                pauseOnHover: true,
                                                enableResponsiveBreakpoints: true,
                                        responsiveBreakpoints: {
                                                portrait: {
                                                        changePoint:480,
                                                        visibleItems: 1
                                                },
                                                landscape: {
```

```
                                        changePoint:640,
                                        visibleItems: 2
                                    },
                                    tablet: {
                                        changePoint:768,
                                        visibleItems: 3
                                    }
                                }
                            });

                        });
                    </script>
                    <script type="text/javascript" src="js/jquery.flexisel.js"></script>

                <div class="clearfix"></div>
</asp:Content>
```

cart.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage2.master"
AutoEventWireup="true" CodeFile="cart.aspx.cs" Inherits="_Default" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
Runat="Server">
   <!---start-content----->
        <div class="check-out">
   <div class="container">
            <h4 class="title">Shopping cart</h4>
            <p class="cart"><br/>Click<a href="products.aspx"> here</a> to continue
shopping</p>
          </div>
      </div>
      <table align="center" cellpadding="10">
     <tr>
      <td>
        <asp:Button ID="Button1" runat="server" Text="&lt;&lt;" Width="60px"
          onclick="Button1_Click" Visible="False" />
      </td>
      <td>
        <asp:Button ID="Button2" runat="server" Text="&gt;&gt;" Width="60px"
          onclick="Button2_Click" Visible="False" />
      </td>
       <td>
         <asp:Label ID="Label4" runat="server"></asp:Label>
       </td>
     </tr>
   </table>

   <center style="margin-top:60px">
```

```
        <asp:Label ID="Label3" runat="server" Font-Names="Algerian" Font-Size="Large"
Visible="False">No product in the Cart</asp:Label>
    </center>


    <table align="center" style="margin-top:50px;font-size:18px" cellpadding="10"
runat="server" id="pd">
     <tr>
      <td>Product name:-</td>
      <td>
         <asp:Label ID="Label2" runat="server" Font-Size="Large"
ForeColor="Blue"></asp:Label>
      </td>
     </tr>

     <tr>
      <td>Product photo:-</td>
      <td>
         <asp:Image ID="Image1" runat="server" Width="200px" />
      </td>
     </tr>

     <tr>
      <td>Product price:-</td>
      <td>
         <asp:Label ID="Label1" runat="server" Font-Bold="False" Font-Size="Large"
            ForeColor="Blue"></asp:Label>
      </td>
     </tr>
     </table>
</asp:Content>
```

login.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
AutoEventWireup="true" CodeFile="login.aspx.cs" Inherits="_Default" %>

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</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
Runat="Server">
   <!---start-content----->
          <div class="content">
          <div class="container">
                  <div class="login-page">
                           <div class="account_grid">
                           <div class="col-md-6 login-left wow fadeInLeft" data-wow-
delay="0.4s">
                                    <h3>NEW CUSTOMERS</h3>
```

```
                                <p>By creating an account with our store, you will be able to
move through the checkout process faster, store multiple shipping addresses, view and track
your orders in your account and more.</p>
                                <a class="acount-btn" href="register.aspx">Create an
Account</a>
                        </div>
                        <div class="col-md-6 login-right wow fadeInRight" data-wow-
delay="0.4s">
                            <h3>REGISTERED CUSTOMERS</h3>
                            <p>If you have an account with us, please log in.</p>
                             <div>
                                    <span>Email Address<label>*</label></span>
                                    <asp:TextBox ID="txtemail" TextMode="Email"
runat="server" ></asp:TextBox>
                <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
                ControlToValidate="txtemail" ErrorMessage="Missing
Field"></asp:RequiredFieldValidator>
                            </div>
                            <div>
                                    <span>Password<label>*</label></span>
                                    <asp:TextBox ID="txtpass" TextMode="Password"
runat="server" ></asp:TextBox>
                <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
                ControlToValidate="txtpass" ErrorMessage="Missing
Field"></asp:RequiredFieldValidator>
                            </div>
                            <a class="forgot" href="login.aspx">Forgot Your
Password?</a>
                            <asp:Button ID="btnlogin" OnClick="btnlogin_Click"
runat="server" Text="Login"></asp:Button>
                        </div>
                        <div class="clearfix"> </div>
                       </div>
                </div>
</div>
</div>
</asp:Content>
```

5.2 Testing: -

Testing is a process of executing a program with the indent of finding an error. Testing is a crucial element of software quality assurance and presents ultimate review of specification, design and coding.

System Testing is an important phase. Testing represents an interesting anomaly for the software. Thus a series of testing are performed for the proposed system before the system is ready for user acceptance testing.

A good test case is one that has a high probability of finding an as undiscovered error. A successful test is one that uncovers an as undiscovered error.

Testing Objectives:

1. Testing is a process of executing a program with the intent of finding an error
2. A good test case is one that has a probability of finding an as yet undiscovered error
3. A successful test is one that uncovers an undiscovered error

The primary objective for test case design is to derive a set of tests that has the highest livelihood for uncovering defects in software. To accomplish this objective two different categories of test case design techniques are used. They are

- White box testing.
- Black box testing.

White-box testing:

White box testing focus on the program control structure. Test cases are derived to ensure that all statements in the program have been executed at least once during testing and that all logical conditions have been executed.

Block-box testing:

Black box testing is designed to validate functional requirements without regard to the internal workings of a program. Black box testing mainly focuses on the information domain of the software, deriving test cases by partitioning input and output in a manner

that provides through test coverage. Incorrect and missing functions, interface errors, errors in data structures, error in functional logic are the errors falling in this category.

- All these phases go through the process of software testing levels. There are mainly three testing levels which are as follows:

1. Unit Testing
2. Integration Testing
3. System Testing

1. Unit Testing:

- A Unit is a smallest testable portion of system or application which can be compiled, liked, loaded, and executed. I test each module separately.
- The aim is to test each part of the software by separating it. It checks that component are fulfilling functionalities or not. I tested all the modules which is working properly or not.
- In this web application there are mainly two modules i.e. **Admin module and User module.**
- Admin can login into system with the help of login id and password which is predefined.
- Admin can keep the records of users, check registrations which is been applied by the users

2. Integration Testing:

- Integration means combining. In this testing phase, different software modules are combined and tested as a group to make sure that integrated system is ready for system testing.
- Integrating testing checks the data flow from one module to other modules. I tested all the activities in the manner of integration testing.
- Details regarding the user and product buying are stored in the database.
- Users can add the product to cart in the systems website.

3. **System Testing:**

- System testing is performed on a complete, integrated system. It allows checking system's compliance as per the requirements.
- It tests the overall interaction of components. It involves load, performance, reliability and security.
- System testing is the final testing to verify that the system meets the specification. It evaluates both functional and non-functional need for the testing.
- In system testing I checked all validation are workable, properly or not, and ensuring that the all activities are correct or not.

Test Cases:

Test cases are derived to ensure that all statements in the program have been executed at least once during testing and that all logical conditions have been executed.

Using White-Box testing methods, the software engineer can drive test cases that

- Guarantee that logical decisions on their true and false sides.
- Exercise all logical decisions on their true and false sides.
- Execute all loops at their boundaries and within their operational bounds.
- Exercise internal data structure to assure their validity.

The test case specification for system testing has to be submitted for review before system testing commences.

Test Case table: -

1) Test Report:

Test case ID	Test scenario	Operator action	Actual result	Remark
T01	Login	Correct Username/Email Id	Successfully Login	Test Successful.
		Correct Password	Successfully Login	

		Incorrect Username/email Id	Enter Proper Username/Email Id	
		Incorrect Password	Please fill Correct Password	
T02	Registration	Registration is done.	No error while login.	Test Successful.
		Registration is Successfully not done.	Errors is shown Please register it and tries again	
T03	Cart	Logged in User	Access the cart	Test Successful.
		Logged out the Successfully User	Cart access is denied	

2) Test Cases for User:

Test case ID	Test scenario	Operator action	Actual result	Remark
T01	User Registration	Enter admin ID and password	User account created.	Test Successful.
T02	User Login	User enters correct username and password.	User login successfully.	Test Successful.
T03	Add to Product	User select items and click on add to cart button.	Items is added to the shopping cart.	Test Successful.
T04	Edit Product	User changes the quantity and delete item and select new item to shopping cart.	Cakes and total cost of cart should be updated.	Test Successful.

Chapter 6: Result and Discussions

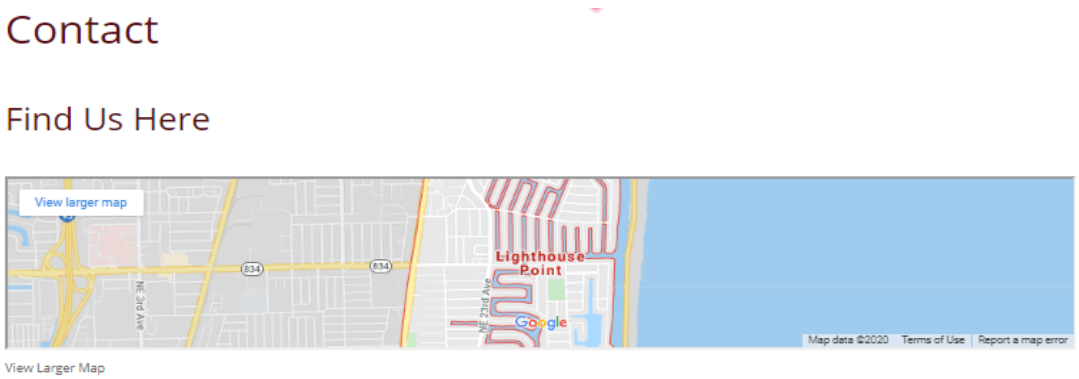
6.1 Result

About Us Page: -

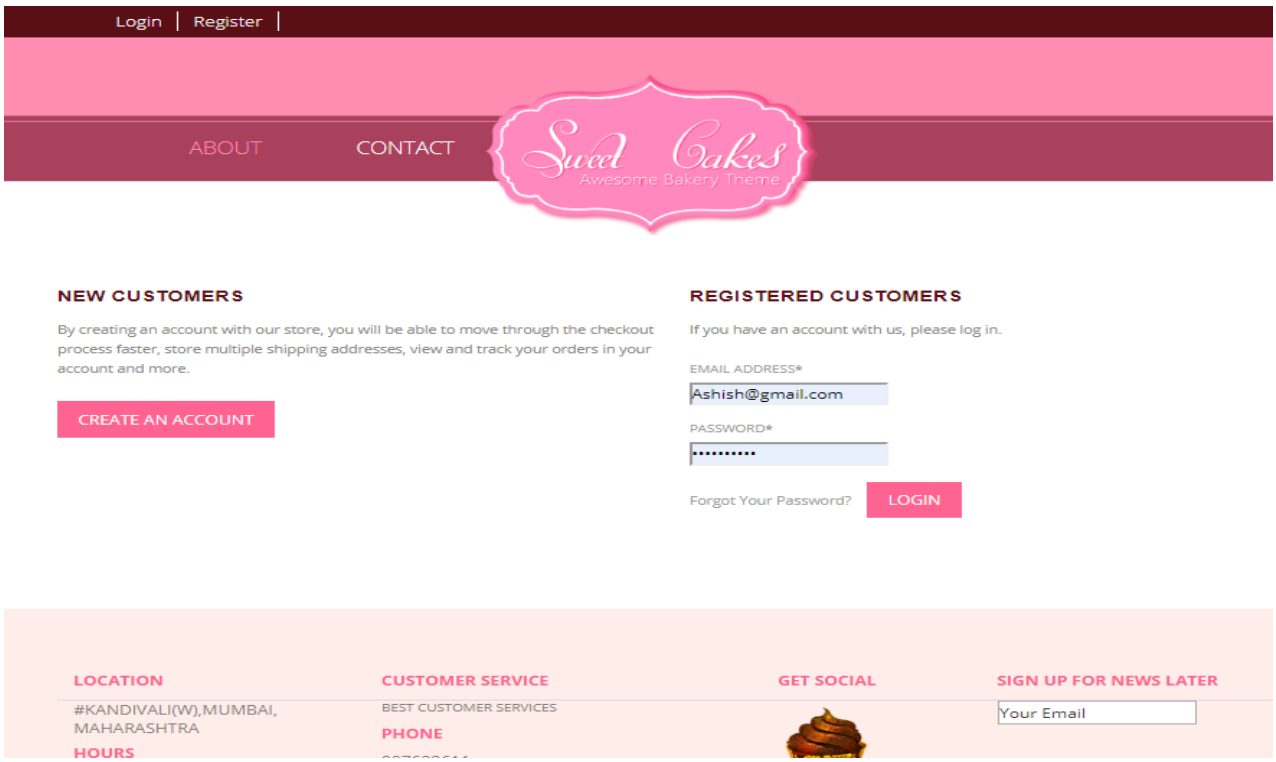
About

A celebration is never complete without gratifying your dear ones with something sweet and delicious. To make sure that you have something truly fascinating, our online cake shop has come up with an online cake delivery service in India. Now, you can easily order cake online and get it delivered anywhere in India. Cakes have become a vital component of occasions, parties and celebrations. If you are unable to visit in India on special occasions, then you can still mark your presence by ordering a cake and send cake online from any part of the world. Our flavorsome cake will surely win the heart of your loved ones. So, go ahead

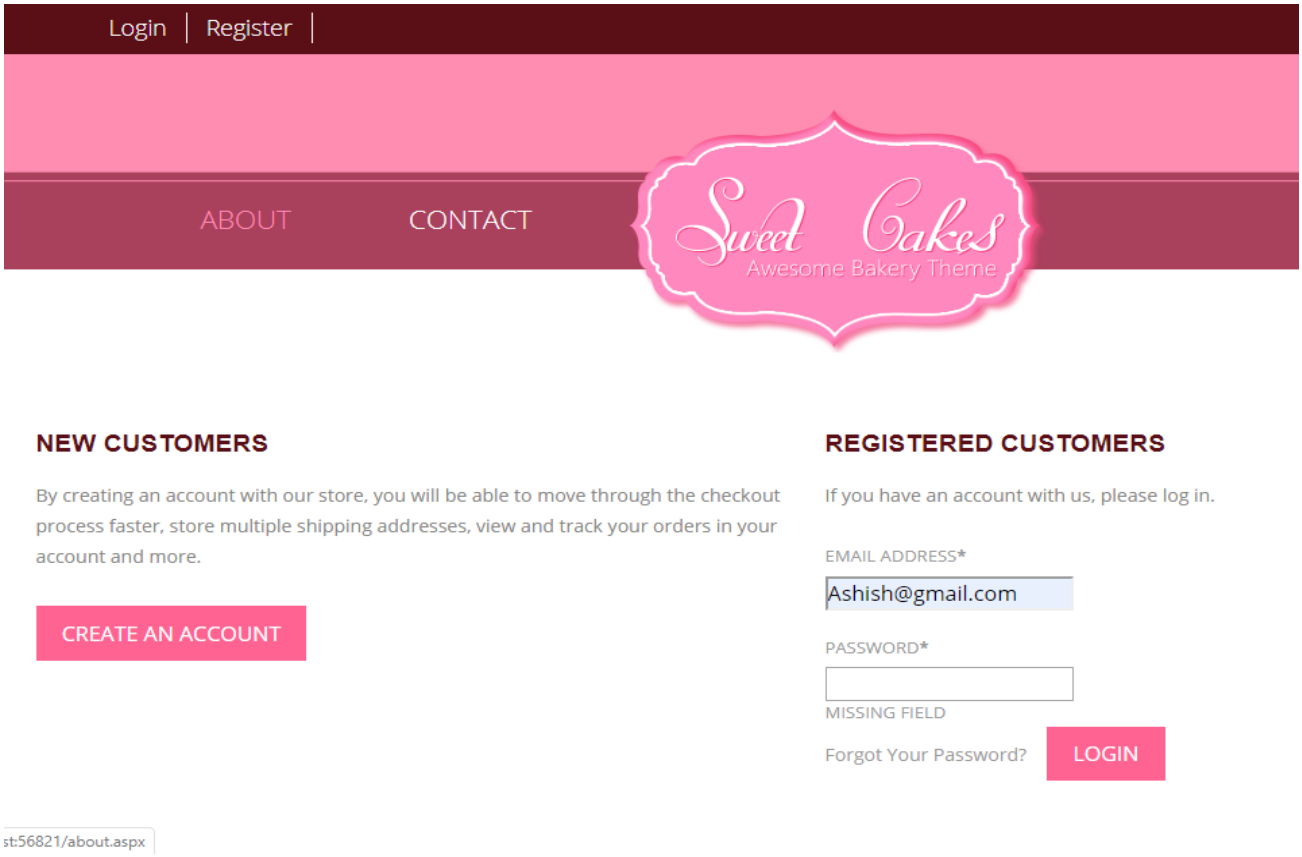
Contact Us Page: -



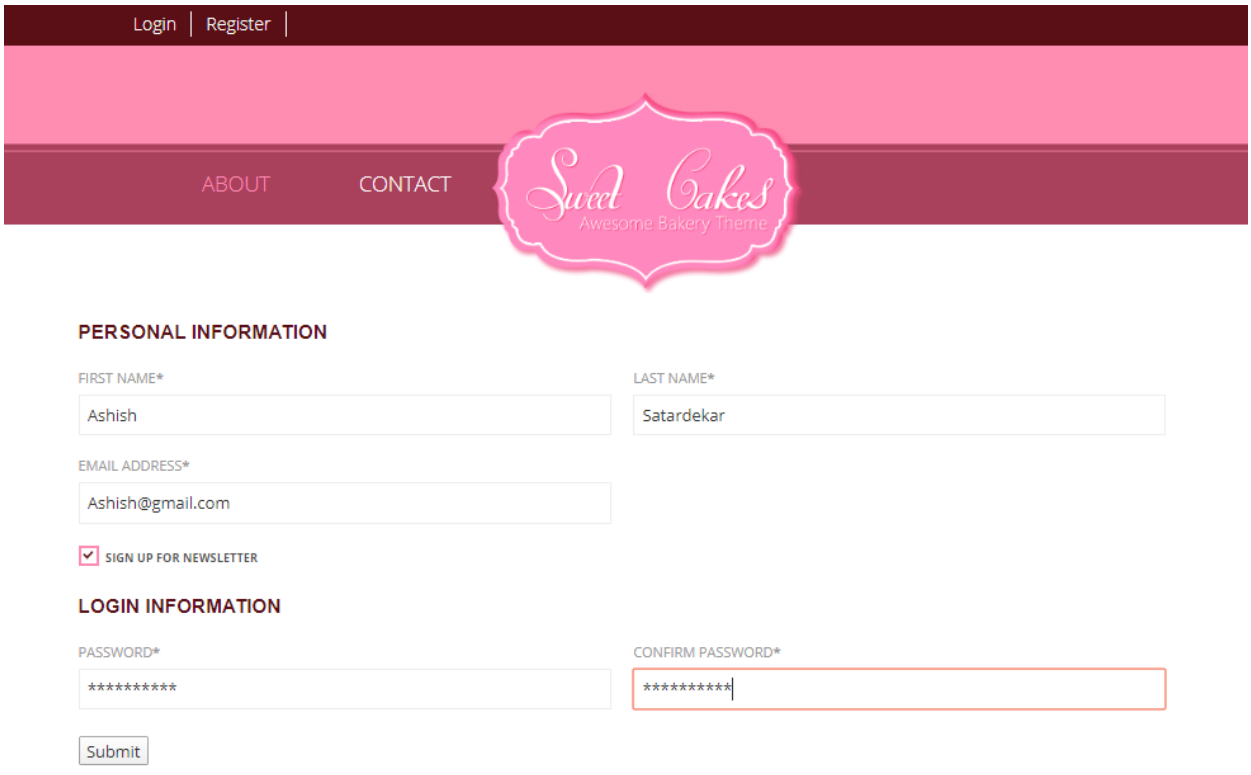
Login page: -



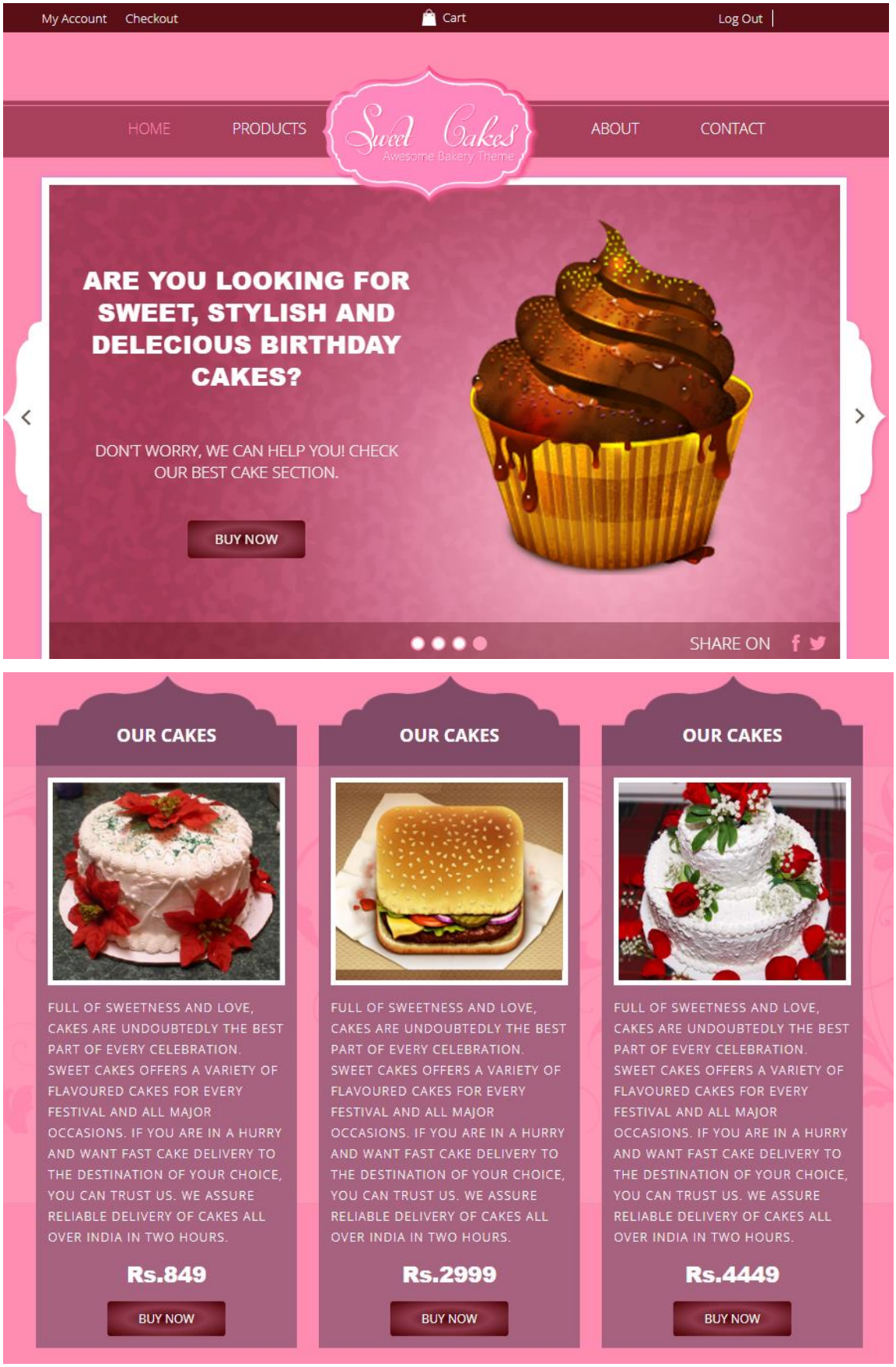
Login Page without password: -



Registration Page: -



Home Page: -


My Account
Checkout
Cart
Log Out
HOME
PRODUCTS
Sweet Cakes
Awesome Bakery Theme
ABOUT
CONTACT
ARE YOU LOOKING FOR SWEET, STYLISH AND DELECIOUS BIRTHDAY CAKES?
DON'T WORRY, WE CAN HELP YOU! CHECK OUR BEST CAKE SECTION.
BUY NOW
SHARE ON
OUR CAKES
FULL OF SWEETNESS AND LOVE, CAKES ARE UNDOUBTEDLY THE BEST PART OF EVERY CELEBRATION. SWEET CAKES OFFERS A VARIETY OF FLAVOURED CAKES FOR EVERY FESTIVAL AND ALL MAJOR OCCASIONS. IF YOU ARE IN A HURRY AND WANT FAST CAKE DELIVERY TO THE DESTINATION OF YOUR CHOICE, YOU CAN TRUST US. WE ASSURE RELIABLE DELIVERY OF CAKES ALL OVER INDIA IN TWO HOURS.
Rs.849
BUY NOW
OUR CAKES
FULL OF SWEETNESS AND LOVE, CAKES ARE UNDOUBTEDLY THE BEST PART OF EVERY CELEBRATION. SWEET CAKES OFFERS A VARIETY OF FLAVOURED CAKES FOR EVERY FESTIVAL AND ALL MAJOR OCCASIONS. IF YOU ARE IN A HURRY AND WANT FAST CAKE DELIVERY TO THE DESTINATION OF YOUR CHOICE, YOU CAN TRUST US. WE ASSURE RELIABLE DELIVERY OF CAKES ALL OVER INDIA IN TWO HOURS.
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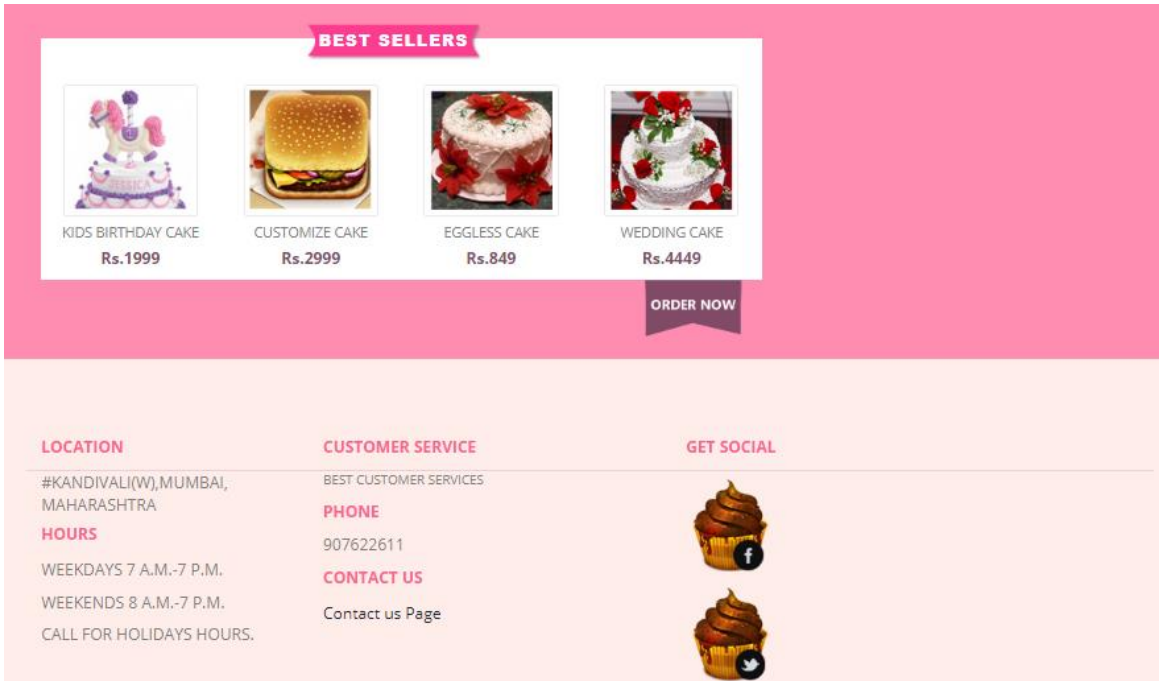
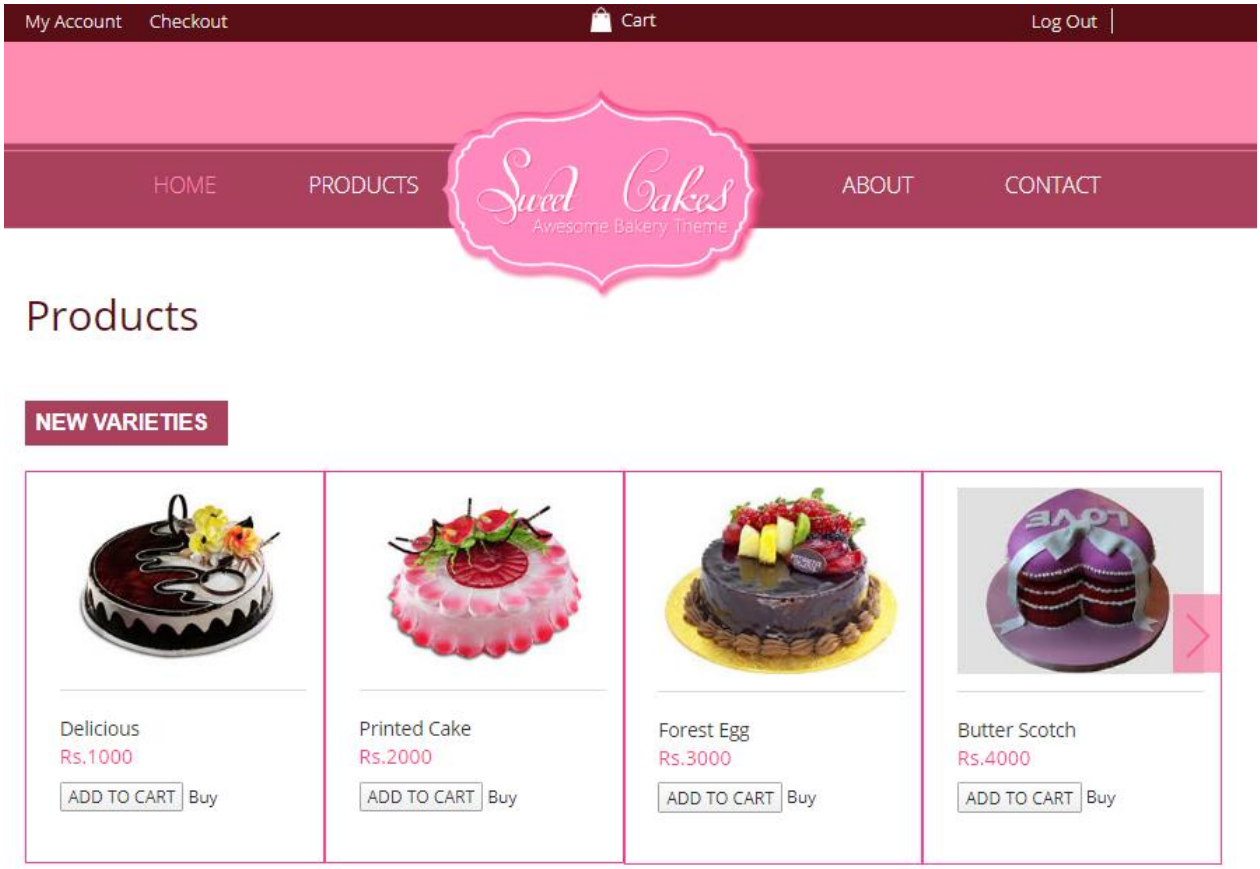
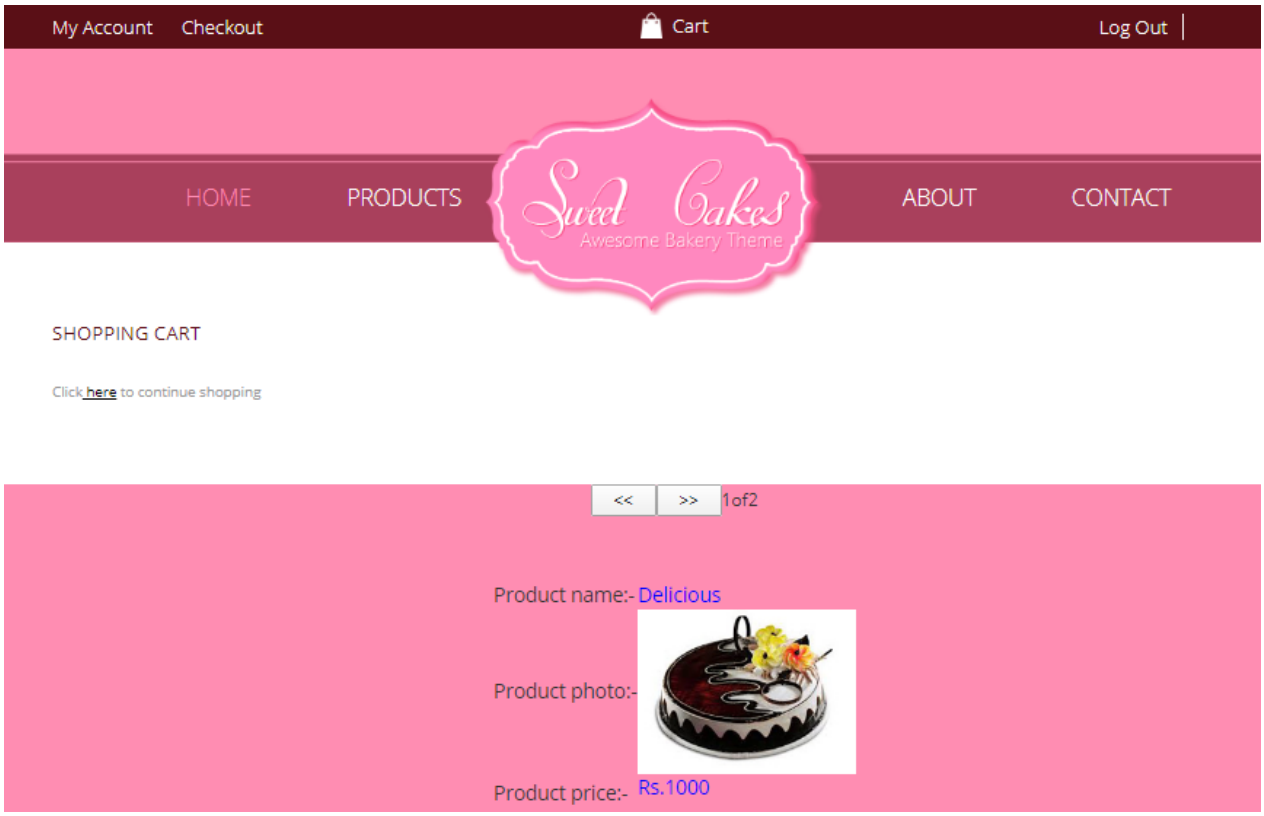
Rs.4449
BUY NOW



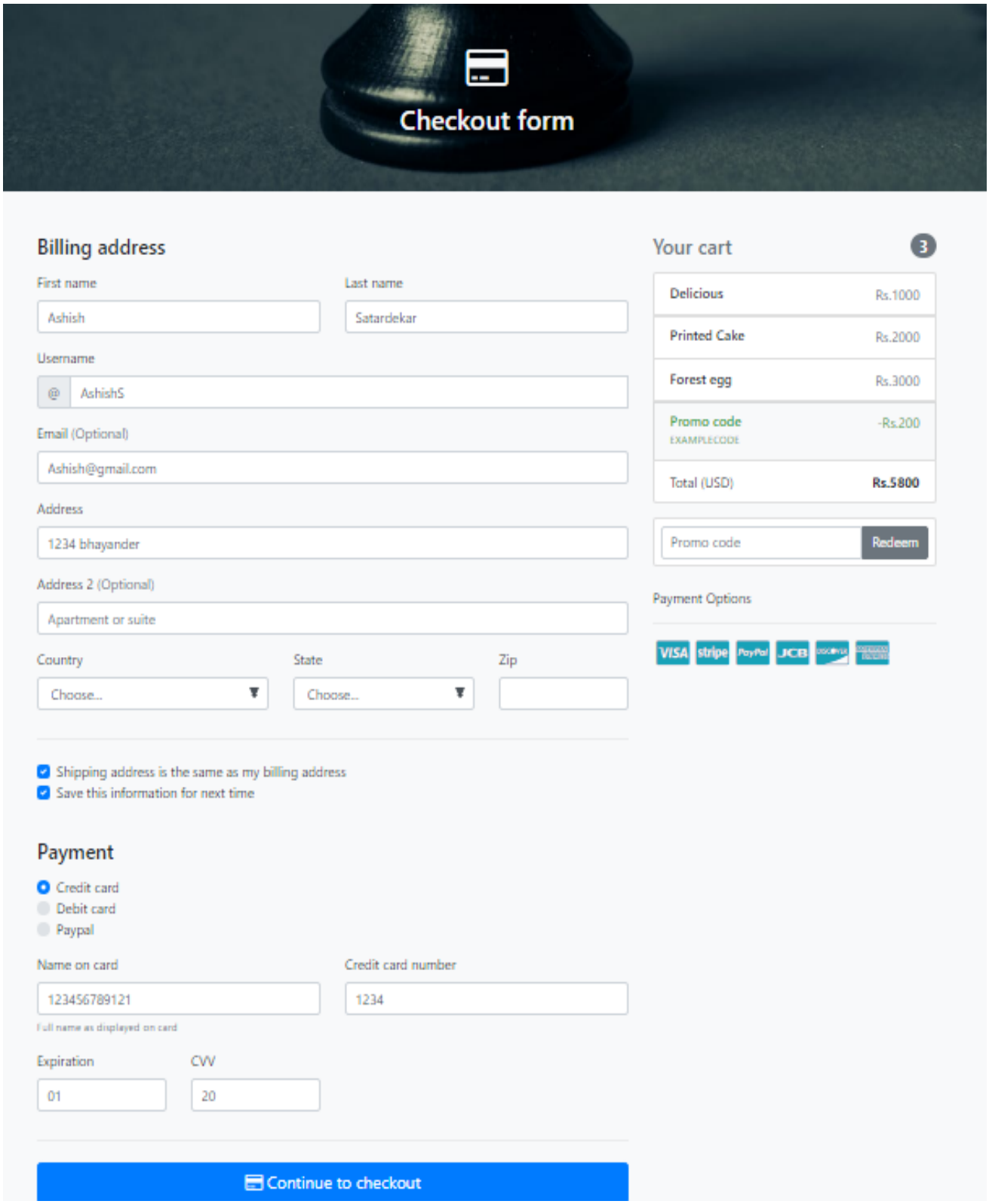
Product Page: -



Shopping Cart Page: -



Checkout Page: -



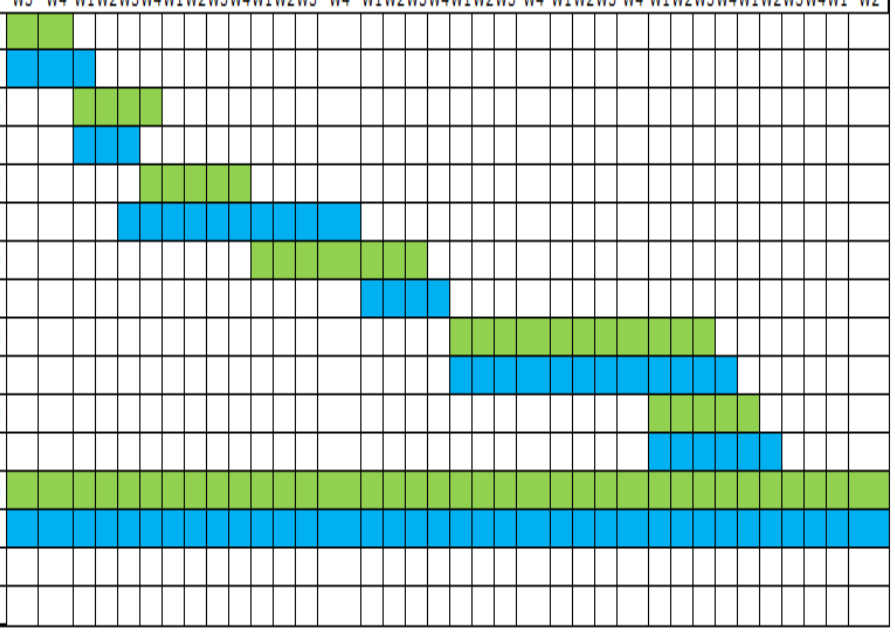
6.2 Discussions

6.2.1 Gantt chart: -

- A Gantt chart, commonly used in project management, is one of the most popular and useful ways of showing activities (tasks or events) displayed against time.
- On the left of the chart is a list of the activities and along the top is a suitable time scale.
- Each activity is represented by a bar; the position and length of the bar reflects the start date, duration and end date of the activity.
- It is also known as Bar chart is used exclusively for scheduling purpose. It is a project controlling technique.
- It is used for scheduling. Budgeting and resourcing planning. A Gantt is a bar chart with each bar representing activity. The bars are drawn against a time line. The length of time planned for the activity.
- The Gantt chart in the figure shows the grey parts is slack time that is the latest by which a task has been finished.
- This allows you to see at a glance:
    I. What the various activities are
    II. When each activity begin & ends
    III. How long each activity is scheduled to last
    IV. Where activities overlap with other activities, & by how much
    V. The start date & end date of the whole project

Gantt Chart for Online Cake Shop System

#	Activity	Start Date	End Date
1	Planning	15-06-2019	23-06-2019
2	Analysis	02-07-2019	16-07-2019
3	Design	16-07-2019	29-09-2019
4	Coding	01-10-2019	31-10-2019
5	Implementation	01-11-2019	30-01-2020
6	Testing	01-01-2020	14-02-2020
7	Documentation	15-06-2019	05-04-2020

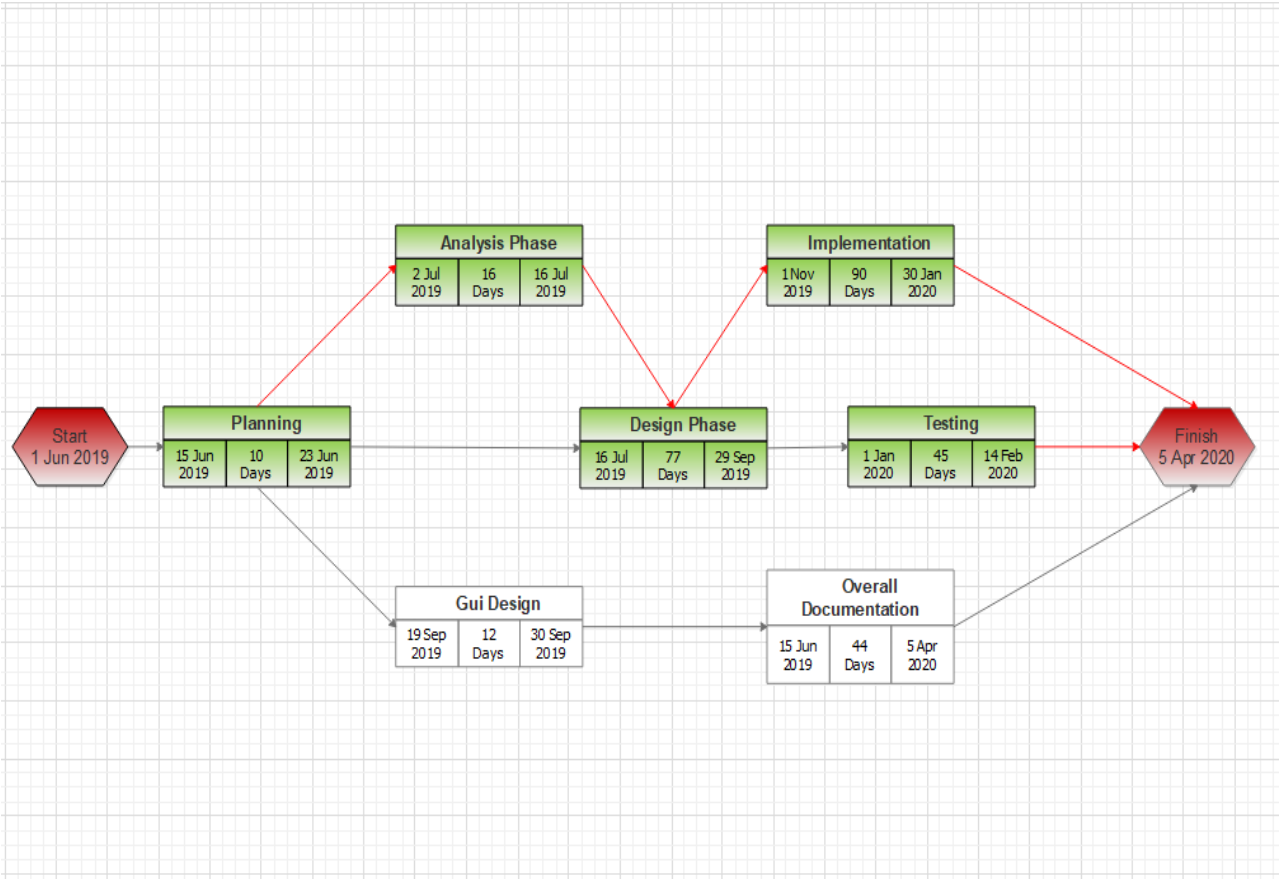


Planning Duration

6.2.2 PERT chart (Program Evaluation Review Technique): -

A PERT chart is a project management tool that provides a graphical representation of a project's timeline. The Program Evaluation Review Technique (PERT) breaks down the individual tasks of a project for analysis.

- PERT charts were first created by the U.S. Navy's Special Projects Office in 1957 to guide the Polaris nuclear submarine project.
- A PERT chart uses circles or rectangles called nodes to represent project events or milestones. These nodes are linked by vectors, or lines, that represent various tasks.
- A PERT chart allows managers to evaluate the time and resources necessary to manage a project.



6.2.3 Cost Estimation :-

Effort Estimation Using COCOMO Model:-

- For any given set of the requirement it is essential to know how much it will cost to developed the application software to satisfy the given requirements and how much time it will take for the development.
- These estimates are needed before development is initiated.
- The primary reason for cost and schedule estimation is to enable client or developer to perform a cost benefits analysis and project monitoring and control.
- The project has been developed considering the COCOMO (Constructive Cost Model) which computer software development effort as a function of program size and set of "Cost Drivers" that includes product, hardware, personnel and project attribute.
- Cost effort is calculated in terms of person-month.

Estimated Lines of code

- Minimum lines of codes, si= 500
- Maximum lines of codes, sn= 2000
- Most likely lines of codes, sm= 1200
- Estimated lines of code= si+sn+0.67sm= 3304
- KLOC= Estimated lines of code/1000= 3304/1000= 3.304

Estimating B (disproportionate effort)

	Rating (1-5)
Development Flexibility	3
Architecture/ Risk Resolution	2
Man Power	1
Process Maturity	3
Total	10

B= (sum/100) +1.01

= 0.10+ 1.01

=1.11

Determine a set of 15 multiply factors from different attributes of the product which are

- **Computer Attributes:**
  Execution Time Constraints, Main Storage, Constraints, Virtual machine, Volatility, Computer Turnaround Time.
- **Product Attributes:**
  Required Reliability, Product Complexity.
- **Personnel Attributes:**
  Analyst Capability, Application Experience, Programmer Capability, Virtual Machine Experience, Programming Language Experience.
- **Project Attributes:**
  Modern Programming Practices, Use Software Tools, Required Development Schedule.

Estimating M (multiplier reflecting product, process & people attributes)

Cost Drivers	**Value**	**Rating**
Product Attribute		
Requires attributes	High	1.00
Complexity of the product	High	0.95
Hardware Attributes		
Run time performance constraint	High	1.00
Memory constraint	Normal	1.00
Volatility of virtual machine environment	High	1.00
Personnel Attribute		
Analyst Capability	Very High	1.15

Software engineer capability	Very High	1.15
Application experience	High	1.00
Programming language experience	Normal	0.95
Project Attribute		
Use of software tools	High	1.00
Application of SE method	High	1.00
Required development schedule	Normal	1.00

M=1.00*0.95*1.00*1.00*1.00*1.15*1.15*1.00*0.95*1.00*1.00*1.00=1.19

Estimating Efforts

Efforts= A*Size^B*M

=2.4*3.304^1.11 *1.19

=10.76 PM

Development Time

TDEV = 3*(PM)^ (0.33+0.2*(B-1.01))

= 6.89 Months

Actual Cost

- Electricity Cost: Rs.1000/-
- Material Cost: Rs.500/-
- Software Cost: Rs.1000/-

Actual cost = Effort * Total cost

= 6.89 * 2500

= Rs.17,225/- A

Chapter 7: Conclusion and Future Work

7.1 Conclusion: -

- This will allow the new user to buy any product.
- Our project is only a humble venture to satisfy the needs to manage their project work.
- The system's entire operation is automated using this software.
- This system will save the time and money both by getting visible where the availability of internet.
- It will be very useful for those who do jobs and can't avail time for further studies.
- We included features and operations in detail.
- We designed user interface and security issues related to system
- Finally, the system is implemented and tested according to the test cases.

7.2 Future Enhancement: -

- We can also add online tracking device to track the order.
- We can give more advance software for online cake shop including more facilities.
- We will host the platform on online servers to make it accessible worldwide.
- Integrate multiple load balancers to distribute the loads of the system.
- Create the master and slave database structure to reduce the overload of the database queries.
- Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers.

7.3 ACTUAL VS PROPOSED SYSTEM

- The proposed Online cake shop System is completely automated.
- The proposed system allows the user to login to the system and check various cake and bakery items.
- More effort is required for maintaining the database of this system.
- Margin of error will be reduced and regulating members will be a breeze by using this software. The actual system is also the same as that of the proposed system only the name of the website has been changed.

7.4 Limitation of Project

With all my efforts and hard work, I have created my website and made it user friendly as much as I can but limitations cannot be ruled out even by me. I have built the website in such a way that a person new to such kind of website can use the website easily. Although the website is user friendly and easy to use but the user needs may not be fulfilled as per his requirements for example as follows: -

- User need to register or login into the system for buying any product.
- Does not keep track of stock.

Chapter 8: Bibliography

8.1 Website: -

Sr.No	Website Link	Visited date and Time
1	www.Neonprojects.com	5 June 2019 9 PM
2	www.w3schools.com	13 June 2019 8.30 PM
3	www.stackoverflow.com	10 July 2019 11.30 AM
4	www.uml.com	22 August 2019 7.00 PM
5	www.lucidchart.com	18 September 2019 9.00 PM
6	https://youtu.be/fqNsbdFtf34	2 October 2019 6.00 PM
7	www.c-sharpcorner.com	20 December 2019 3.00 PM
8	https://github.com	10 January 2020 10.00 PM
9	www. unacademy.com	5 Feb 2020 9.00 PM

8.2 Books:

- Complete reference of ASP.NET.
- ASP.NET black book programming.
- Complete reference book of SQL.
- HTML reference book.