



**ATMIYA UNIVERSITY**

**For the award of the degree of  
B.Sc. Information Technology  
Semester – VI (2021-2024)**

**Project Report on  
Dessert Delight**

**Submitted by  
Devangi Shingala**

**Submitted to**

**Department of Computer Science & Information Technology  
Atmiya University, Rajkot.**



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# **DESSERT DELIGHT**

## **“Delight At First Bite”**

A PROJECT SUBMITTED TO

**Atmiya University**

**Department of Computer Science & Information Technology**

**RAJKOT**



*Submitted in partial fulfillment of the requirements for the degree of*

**“B.Sc. Information Technology”**

**Sem-6**

**(Year 2021-2024)**

**Submitted By: -**

**Devangi Shingala J.**

**Khushi Menpara**

**Guided By: -**

**Mr. Malay Solanki**

**Mr. Kshitij Vachhani**



# ATMIYA UNIVERSITY

(Established under the Gujarat Private University Act 11, 2018)

Yogidham Gurukul, Kalawad Road, Rajkot - 360005, Gujarat (INDIA)

Project ID: BIT6F1Y003

Date: 06-03-2024

## CERTIFICATE

This is to certify that,

**Ms. Devangi Shingala of  
B.Sc. Information Technology**

Semester VI

Has satisfactorily completed the project on

**Dessert Delight**

For, Department of Computer Science & Information Technology,

ATMIYA University, Rajkot.

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Signature

Mr. Kshitij Vachhani

(Project Guide)

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Signature

Dr. Divyesh Gohel

(Program Coordinator)

## PROJECT PROFILE

<b>Project Title</b>	<b>“Dessert Delight”</b>
<b>Organization</b>	<b>Atmiya University-Rajkot</b>
<b>Front-End Tools</b>	<b>Bootstrap5, Google Chrome, Visual Studio Code</b>
<b>Back-End Tools</b>	<b>XAMPP (for Database- MySQL, Apache)</b>
<b>Language</b>	<b>HTML, CSS, JavaScript, PHP, Bootstrap5</b>
<b>Platform Used</b>	<b>Windows Platform, Firefox Browser</b>
<b>Developed By</b>	<b>1)Shingala Devangi J. 2)Menpara Khushi A.</b>
<b>Project Guide</b>	<b>1)Mr. Malay Solanki. 2)Mr. Kshitij Vachhani.</b>

# **STUDENT PROFILE**

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# **ACKNOWLEDGEMENT**

The project of "Dessert Delight" has been a unique experience for me. I am very thankful to the Department of Computer Science at Atmiya University, which gave me the opportunity to take on this project.

I express my gratitude to our Program Coordinator, Dr. Divyesh Gohel, and my project guides, Mr. Kshitij Vachhani and Mr. Malay Solanki, for their invaluable support and guidance during the course of the project. Your useful advice and suggestions were really helpful to me during the project completion. In this aspect, I am eternally grateful to you.

I am also very thankful to "Atmiya University" for including the project work as part of the syllabus, without which I would not have gained the experience of developing software like this.

Thanking You.

# DECLARATION

I, hereby declare that the project work entitled "**Dessert Delight**" is the original work done by me, and I further declare that it is never submitted anywhere else in part or in full.

Signature

Shingala Devangi J.

[210802106]

# ABSTRACT

Our project Dessert Delight revolves around creating an online shopping website, a digital marketplace that allows customers to browse, select, and purchase products from the comfort of their homes. This website aims to provide a user-friendly and convenient shopping experience while benefiting both customers and sellers.

To do this, we will:

➤ **User-Friendly Interface:**

- We will design a simple and intuitive website layout, making it easy for customers to navigate and find the products they desire.

➤ **Product Catalog:**

- The website will feature a diverse range of products, categorized for easy exploration.

➤ **Feedback System:**

- We will add a way for users to provide feedback and reviews. This is like sharing your thoughts about a product with others, which helps everyone make better choices.

➤ **Admin Side:**

- Sellers will have access to a dedicated Admin Side where they can manage their product, manage Category, and handle customer feedback and review.

Our project aims to simplify the online shopping experience for consumers while providing a platform for sellers to expand their businesses. By prioritizing user-friendliness, we intend to create a valuable online shopping destination that benefits both customers and sellers alike.

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# Chapter 1:

# Introduction

# CHAPTER 1: INTRODUCTION

## 1.1 Problem Statement:

### ➤ Inventory Management:

- The shop struggles to maintain accurate records of its inventory, leading to overstocking or understocking of popular and seasonal candies.
- Inventory tracking is currently done manually, making it time-consuming and error-prone.
- Expiry dates of products are often overlooked, resulting in the sale of expired items.

### ➤ Sales Tracking:

- The shop lacks a comprehensive Sales tracking system, making it difficult to analyze sales trends, popular products, and customer preferences.
- Sales data is recorded manually, which can lead to data entry errors and inconsistencies in financial records.

### ➤ Customer Satisfaction:

- Inefficient inventory management sometimes results in unavailability of preferred candies, leading to customer dissatisfaction.
- Lack of a loyalty program or customer database limits the shop's ability to engage with and reward loyal customers.

### ➤ Reporting and Analysis:

- The shop lacks tools to generate reports and analyze data, hindering decision-making processes and future planning.
- The absence of historical sales data makes it challenging to forecast demand and optimize inventory.

### ➤ Project Objectives:

- The primary objectives of the Dessert Delight Inventory and Sales Management System project are as follows:
- Develop a user-friendly software solution that allows efficient tracking of inventory, including stock levels, product details.
- Improve customer satisfaction by ensuring product availability and implementing a customer database or loyalty program.

By addressing these objectives, the Dessert Delight Inventory and Sales Management System aims to streamline operations, enhance customer satisfaction, and improve the overall profitability of our Dessert Delight.

## 1.2 Project Scope:

### ➤ Product Catalog:

- Create an organized and visually appealing catalog of ice cream products, including various flavors, sizes, and toppings.
- Include high-quality images, detailed descriptions, and pricing information for each product.

### ➤ User Registration and Authentication:

- Allow customers to create accounts with their personal information for a seamless shopping experience.
- Implement secure user authentication and password recovery mechanisms.

### ➤ Order Management:

- Develop an order management system to track and process customer orders.
- Allow customers to view their order history and check the status of their current orders.

### ➤ Category Management:

- In Category Management there is an option to add new category so that user can get more options to choose.

### ➤ Customer Reviews and Ratings:

- Allow customers to leave reviews and ratings for ice cream products.
- Display product ratings and reviews on product pages to assist other customers in making informed decisions.

### ➤ User Account Management:

- Provide customers with the ability to their profiles, addresses, and contact information.
- Implement a "forgot password" feature for account recovery.

### ➤ Mobile Responsiveness:

- Ensure that the website is responsive and accessible on various devices, including smartphones and tablets.

### ➤ Security and Privacy:

- Implement strong security measures to protect customer data and payment information.
- Comply with data privacy regulations and guidelines.

### 1.3 Purpose:

➤ **Expand Business Reach:**

- Enable the candy shop to reach a wider audience by establishing an online presence, attracting customers who prefer the convenience of ordering ice cream products from the comfort of their homes.

➤ **Enhance Customer Convenience:**

- Offer customers a user-friendly platform to browse, select, and purchase ice cream products at their convenience, 24/7.

➤ **Improve Customer Experience:**

- Provide an engaging and interactive shopping experience with detailed product information, reviews, and easy-to-use features.

➤ **Efficient Order Management:**

- Streamline order processing and fulfillment, making it easier for the shop to manage customer orders and inventory.

➤ **Data-Driven Decisions:**

- Collect and analyze customer data and sales information to make informed decisions about product offerings, marketing strategies, and customer engagement.

➤ **Scalability:**

- Create a platform that can scale to accommodate future growth and expansion of the business.

➤ **Compliance and Security:**

- Ensure that the website complies with data privacy regulations and provides a secure environment for online transactions, building trust with customers.

➤ **Customer Feedback:**

- Gather valuable feedback from customers through reviews and ratings, helping the shop enhance its offerings and services.

# Chapter 2:

# Requirements and

# Analysis

## CHAPTER 2: REQUIREMENTS AND ANALYSIS

### 2.1 System Analysis:

System analysis is a crucial phase in the development of any information system or software project. It involves a comprehensive study and evaluation of the existing system or the problem domain to understand its current state, identify its shortcomings, and define the requirements for a new system. Here is an overview of the key aspects and activities involved in system analysis:

#### ➤ Understanding the Problem Domain:

- Identify the organization's objectives and goals that the system aims to support or improve.
- Interview stakeholders, including end-users, managers, and subject matter experts, to gain a deep understanding of the problem domain.
- Gather and document information about existing processes, workflows, data, and technologies.

#### ➤ Problem Identification:

- Identify and document the shortcomings and limitations of the existing system, including inefficiencies, bottlenecks, and areas for improvement.
- Define the specific problems or challenges that the new system should address.

#### ➤ Requirements Gathering:

- Elicit and document detailed functional and non-functional requirements for the new system.
- Prioritize requirements based on their importance and impact on the organization's goals.
- Involve stakeholders in requirement validation and verification to ensure accuracy and completeness.

#### ➤ Feasibility Study:

- Evaluate the technical, operational, economic, and schedule feasibility of the proposed system.
- Assess the potential risks and challenges associated with system development and implementation.
- Determine whether the benefits of the new system outweigh the costs and risks.

#### ➤ Data Analysis:

- Analyze the data requirements of the system, including data sources, data formats, data storage, and data flow.
- Create data models (e.g., entity-relationship diagrams) to represent the data structure and relationships.

➤ **Process Modeling:**

- Create process models (e.g., flowcharts or process diagrams) to represent current and future workflows and business processes.
- Identify opportunities for process improvement and optimization.

➤ **System Design Constraints:**

- Define any constraints or limitations that may affect the system's design, such as hardware and software platforms, security requirements, and regulatory compliance.

➤ **Use Case Development:**

- Develop use cases to describe how different actors (users and systems) interact with the proposed system.
- Use cases to clarify system behavior and user interactions.

➤ **Prototyping and Mockups:**

- Create prototypes or mockups of the user interface to visualize and refine the system's user experience.
- Gather user feedback to improve the design.

➤ **Documentation:**

- Create detailed system analysis documentation, including requirement specifications, data models, process models, and use cases.
- Ensure that documentation is clear, well-organized, and accessible to all project stakeholders.

➤ **Risk Assessment:**

- Identify potential risks and develop risk mitigation strategies.
- Anticipate and plan for contingencies to address unforeseen challenges during system development.

➤ **Review And Validation:**

- Conduct reviews and validation sessions with stakeholders to ensure that the system analysis accurately reflects their needs and expectations.

➤ **Final System Proposal:**

- Summarize the results of the system analysis in a final proposal that outlines the scope, requirements, feasibility, and recommended approach for system development.

## 2.2 Software and Hardware Requirements:

### ➤ Software Requirements:

Software Component	Version/Specification	Purpose
Operating System	Windows Server 2016	Server-side environment
Web Server	IIS 10	Host and serve web applications
Database Server	XAMPP	Store and manage application data
Application Framework	Visual Studio Code	Framework for building web applications
Frontend Framework	PHP	User interface development
Code Editor	Visual Studio Code	Development and code editing
Version Control System	Git	Source code versioning and collaboration

### ➤ Hardware Requirements:

Hardware Component	Minimum Requirement	Recommended Requirement
Processor	Dual-core, 2.0 GHz	Quad-core, 2.5 GHz
RAM	4 GB	8 GB
Storage	50 GB HDD	256 GB SSD
Network	1 Gbps Ethernet	1 Gbps Ethernet
Display	1024x768 resolution	1920x1080 resolution

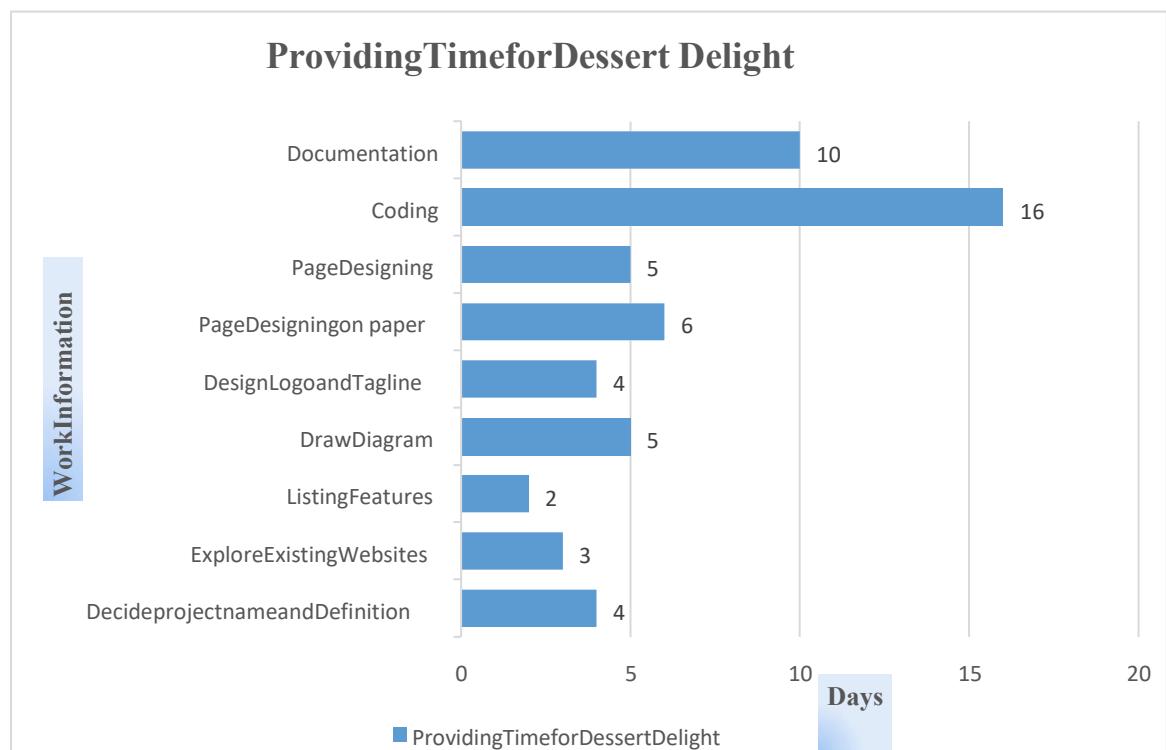
# Chapter 3: Project Planning and Scheduling

## CHAPTER 3: PROJECT PLANNING AND SCHEDULING

### ➤ Planning & and Scheduling:

Date	Provide Time for Task	Work
12/12/23	3or 4days	Decide Project name And Definition
15/12/23	2or 3days	Explore Existing Websites
17/12/23	1or 2days	Listing Features
19/12/23	4or 5days	Draw Diagrams
21/1/24	3or 4days	Design Logo and Tagline
23/1/24	5or 6days	Page Designing on paper
28/1/24	4or 5days	Page Designing
18/2/24	15or16 days	Coding
10/3/24	9or 10days	Documentation

### Time Line Chart:



## System Development Life Cycle:

The **System Development Life Cycle (SDLC)** provides a well-structured framework that gives an idea, of how to build a system. It consists of steps as follows- Plan, Analyze, Design, Develop, Implement and Maintain. In this article, we will see all the stages of system development. We will delve into the significance of each stage, emphasizing the critical role played by System Design in the overall process.

The System Development Life Cycle encompasses a series of interconnected stages that ensure a systematic approach to system development. The stages include Planning, Analysis, Design, Development, Implementation, and Maintenance. Each stage contributes to the successful completion of the system, with System Design serving as a crucial component.

### Stage 1: Planning

- The Planning stage lays the groundwork for the entire SDLC. It involves identifying the system's goals, defining project scope, setting objectives, establishing timelines, and determining available resources. Planning ensures that the development process aligns with organizational needs and sets a clear direction for subsequent stages.

### Stage 2: Analyzing

- During the Analysis stage, the focus is on gathering and understanding the requirements of the system. This includes conducting interviews, studying existing processes, and identifying stakeholders' needs. The gathered information serves as a basis for designing a system that meets users' expectations and addresses organizational challenges.

### Stage 3: Designing

- System Design is a critical stage in the SDLC, where the requirements gathered during the Analysis phase are translated into a detailed technical plan. It involves designing the system's architecture, database structure, and user interface, and defining system components. The Design stage lays the foundation for the subsequent development and implementation phases.

### Stage 4: Development

- The Development stage involves the actual coding and programming of the system. Based on the design specifications, developers write code, create database structures, and implement necessary functionalities. Rigorous testing and quality assurance are performed to ensure the system's accuracy, performance, and adherence to the design requirements.

## Stage 5: Implementation

- This stage involves deploying the developed system into the production environment. This includes activities such as system installation, data migration, training end-users, and configuring necessary infrastructure. Implementation requires careful planning and coordination to minimize disruptions and ensure a smooth transition from the old system to the new one.

## Stage 6: Maintenance

- Maintenance is an ongoing stage that involves monitoring, managing, and enhancing the system's performance and functionality. It includes activities such as bug fixes, updates, security patches, and addressing user feedback. Regular maintenance ensures the system remains reliable, secure, and adaptable to changing business needs.

Software DLC is all about building software in a phase approach systematically whereas System DLC is about implementing hardware and software in a phased manner systematically.

# Chapter 4: System Design

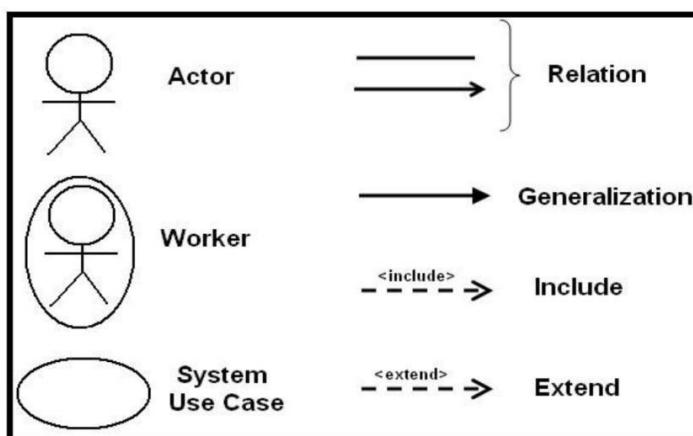
# CHAPTER 4: SYSTEM DESIGN

## 4.1 Logical Design:

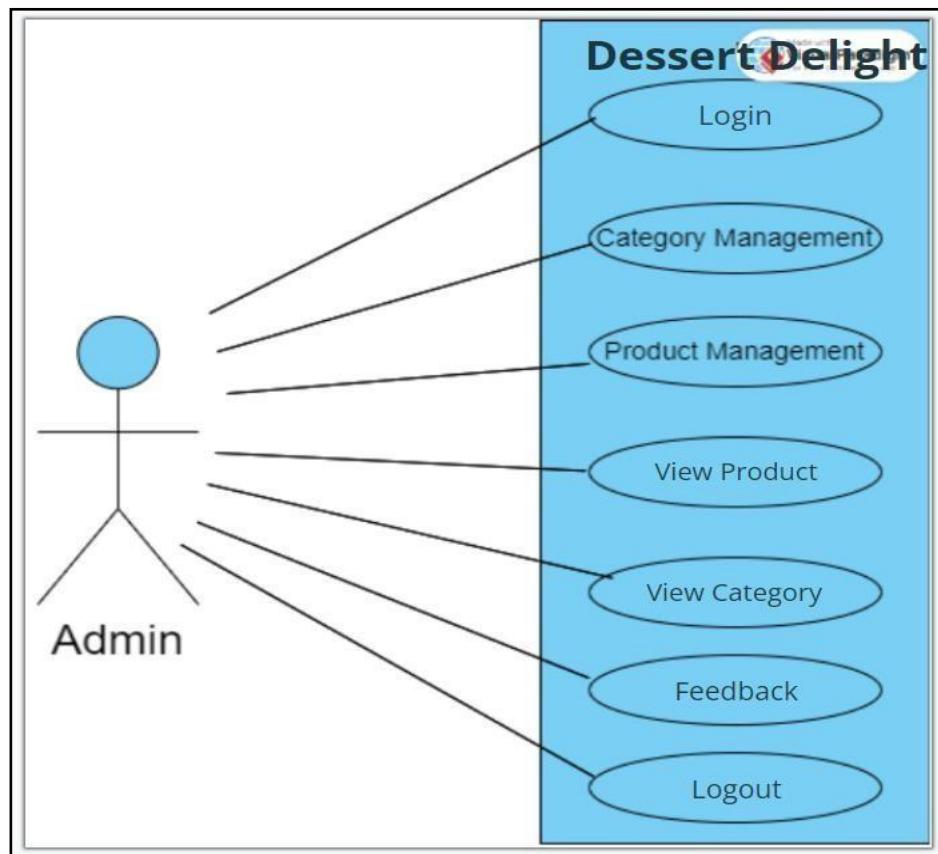
### 4.1.1 Use Case Diagram:

- In UML, use-case diagrams model the behavior of a system and help to capture the requirements of the system.
- Use-case diagrams describe the high-level functions and scope of a system. These diagrams also identify the interactions between the system and its actors. The use cases and actors in use-case diagrams describe what the system does and how the actors use it, but not how the system operates internally.
- Use-case diagrams illustrate and define the context and requirements of either an entire system or the important parts of the system. You can model a complex system with a single use-case diagram, or create many use-case diagrams to model the components of the system. You would typically develop use-case diagrams in the early phases of a project and refer to them throughout the development process.
- Use-case diagrams are helpful in the following situations:
  - Before starting a project, you can create use-case diagrams to model a business so that all participants in the project share an understanding of the workers, customers, and activities of the business.
  - While gathering requirements, you can create use-case diagrams to capture the system requirements and to present to others what the system should do.
  - During the analysis and design phases, you can use the use cases and actors from your use-case diagrams to identify the classes that the system requires.
  - During the testing phase, you can use use-case diagrams to identify tests for the system.

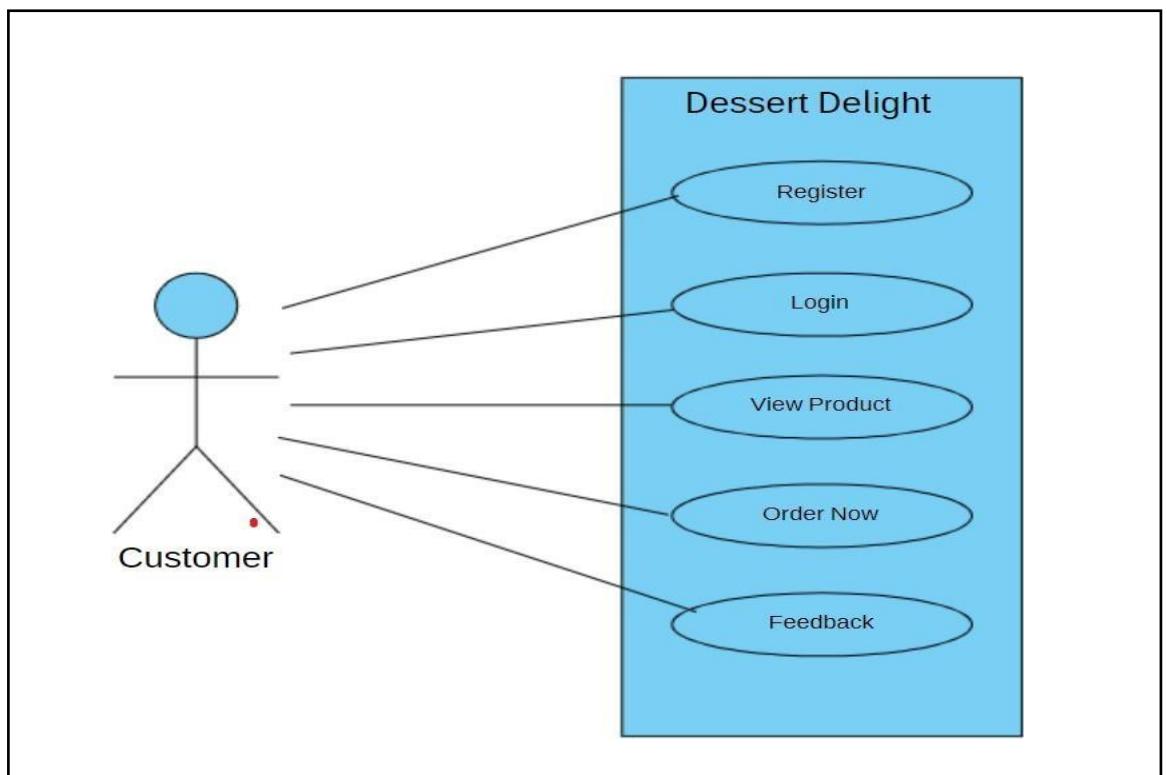
#### ➤ Symbols:



## ➤ Admin Side:



## ➤ User Side:



### **4.1.2 Data Flow Diagram (DFD):**

A data flow diagram shows the way information flows through a process or system. It includes data inputs and outputs, data stores, and the various subprocesses the data moves through. DFDs are built using standardized symbols and notation to describe various entities and their relationships.

Data flow diagrams visually represent systems and processes that would be hard to describe in just words. You can use these diagrams to map out an existing system and make it better or to plan out a new system for implementation. Visualizing each element makes it easy to identify inefficiencies and produce the best possible system.

#### **➤ Data flow diagram levels:**

Data flow diagrams are also categorized by level. Starting with the most basic, level 0, DFDs get increasingly complex as the level increases. As you build your own data flow diagram, you will need to decide which level your diagram will be.

#### **➤ Level 0 DFD:**

Also known as context diagram, are the most basic data flow diagrams. They provide a broad view that is easily digestible but offers little detail. Level 0 data flow diagrams show a single process node and its connections to external entities. For instance, the example shown below illustrates the hotel reservation process with the flow of information between admin and guests.

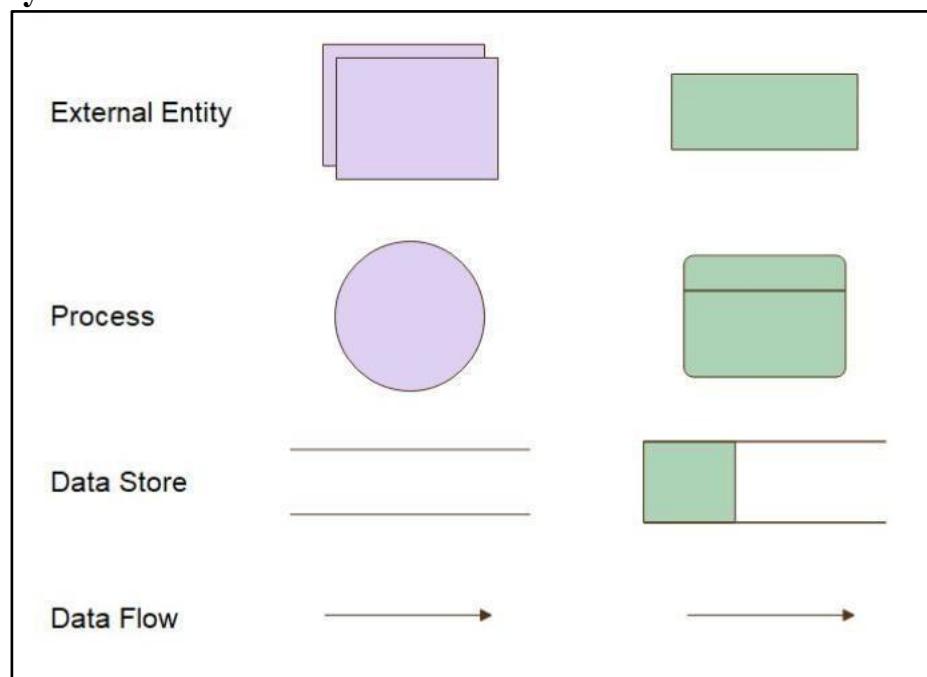
#### **➤ Level 1 DFD:**

**Level 1 DFDs** are still a general overview, but they go into more detail than a context diagram. In level 1 DFD, the single process node from the context diagram is broken down into sub-processes. As these processes are added, the diagram will need additional data flows and data stores to link them together. In the hotel reservation example, this can include adding the room selection and inquiry processes to the reservation system, as well as data stores.

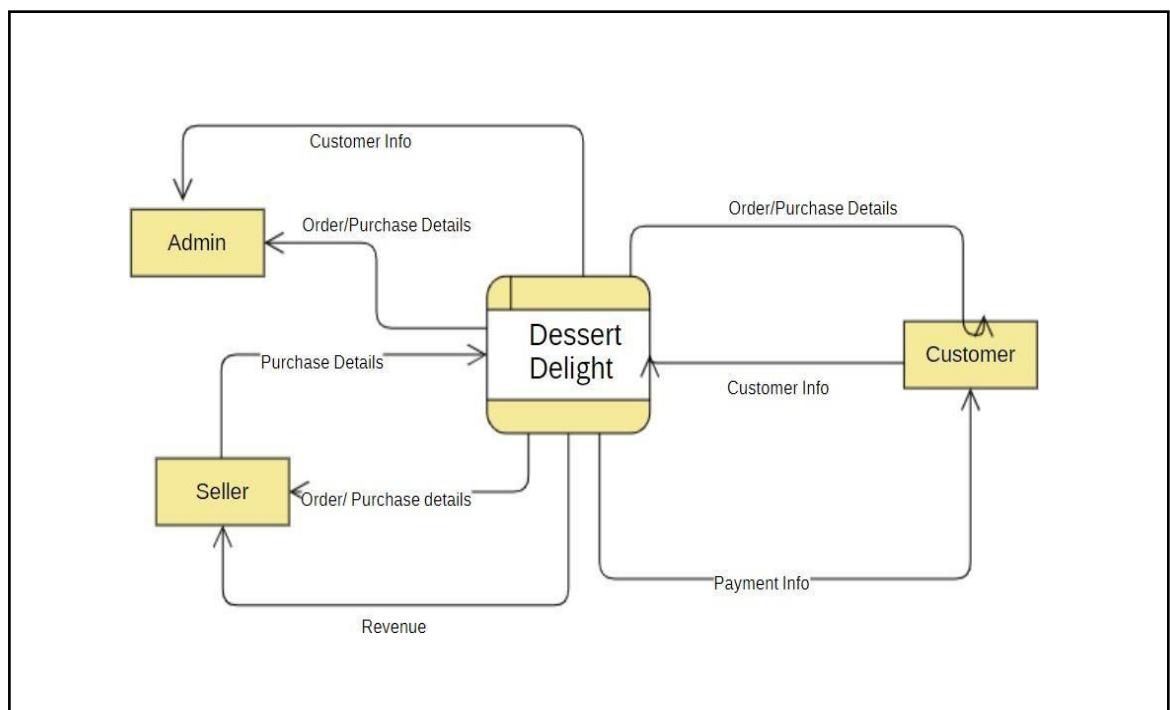
#### **➤ Level 2 DFD:**

Level 2 DFDs simply break processes down into more detailed sub-processes.

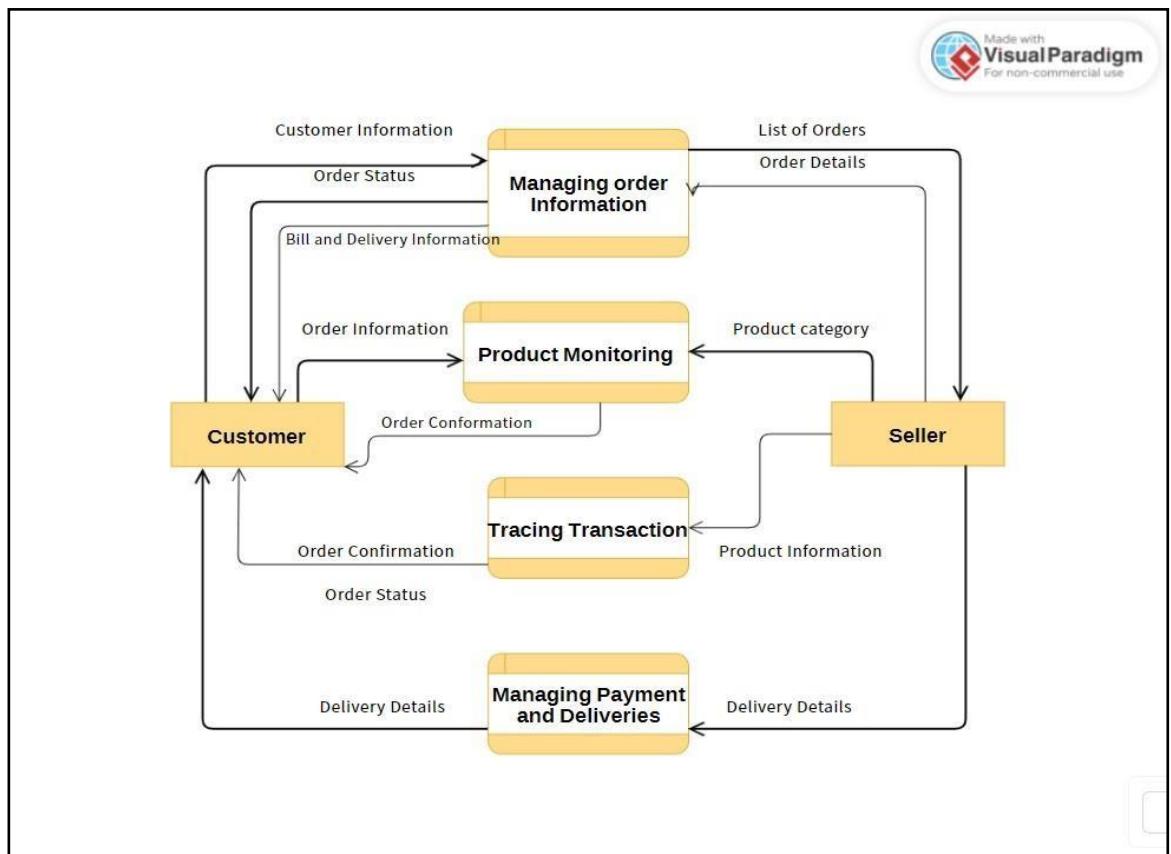
➤ Symbols:



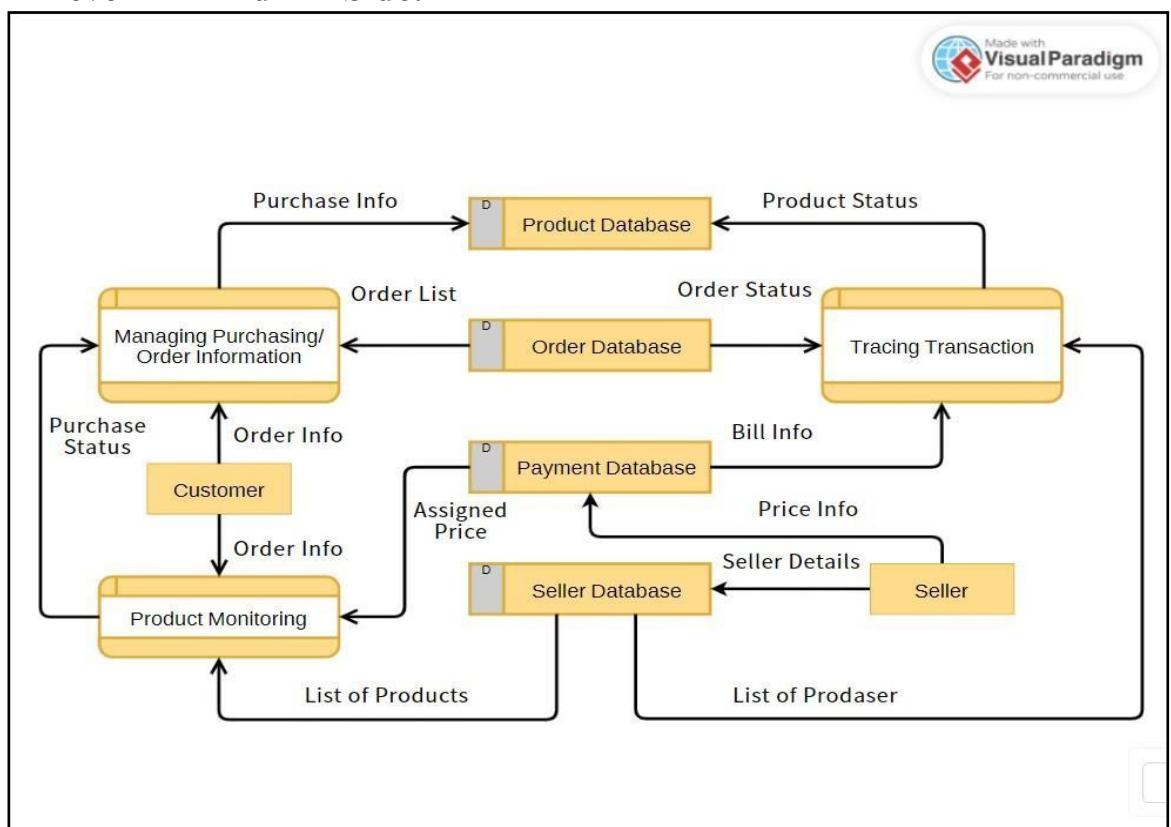
➤ 0<sup>th</sup> level DFD Admin Side:



➤ 1<sup>st</sup> level DFD Admin Side:



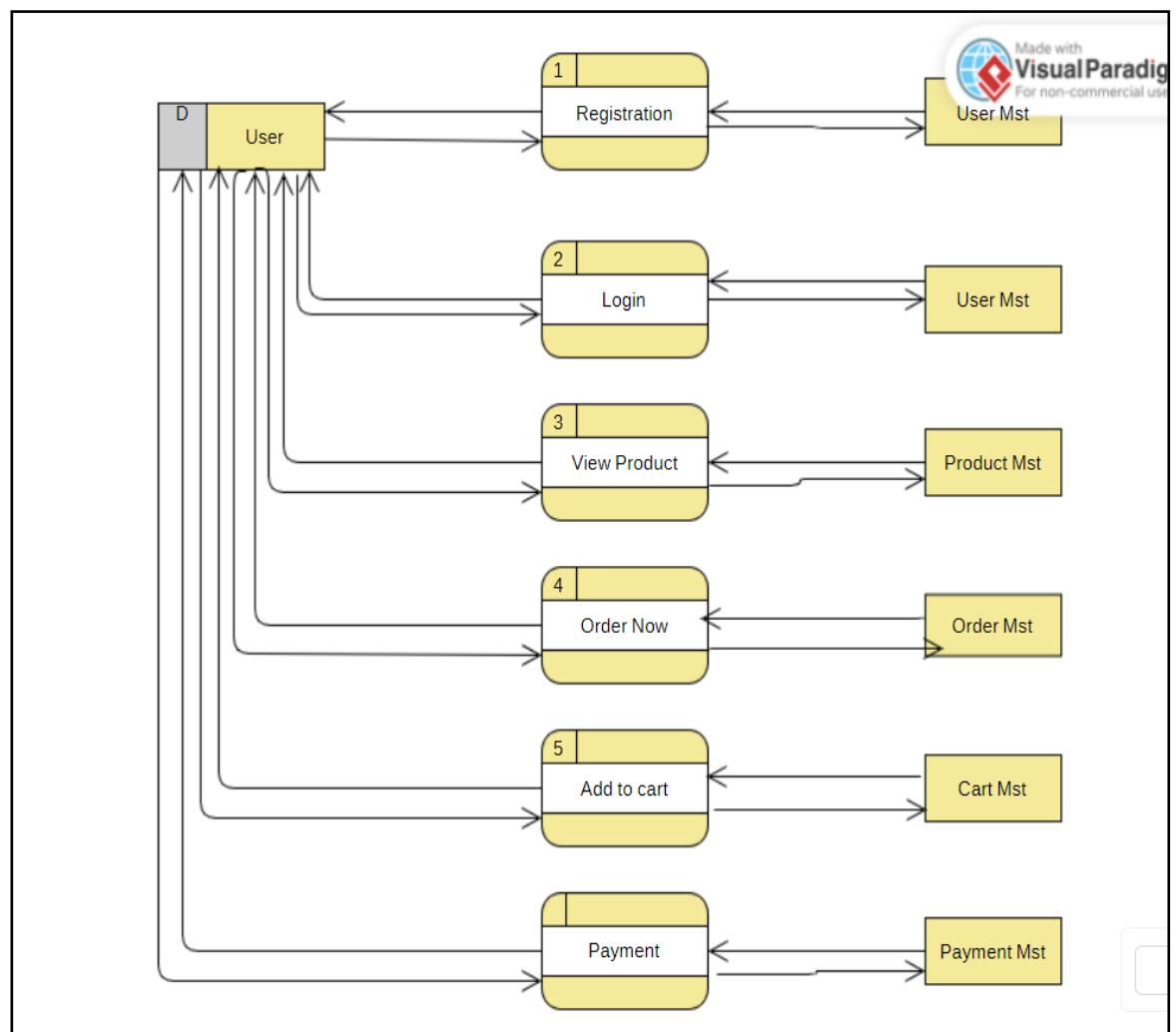
➤ 2<sup>nd</sup> level DFD Admin Side:



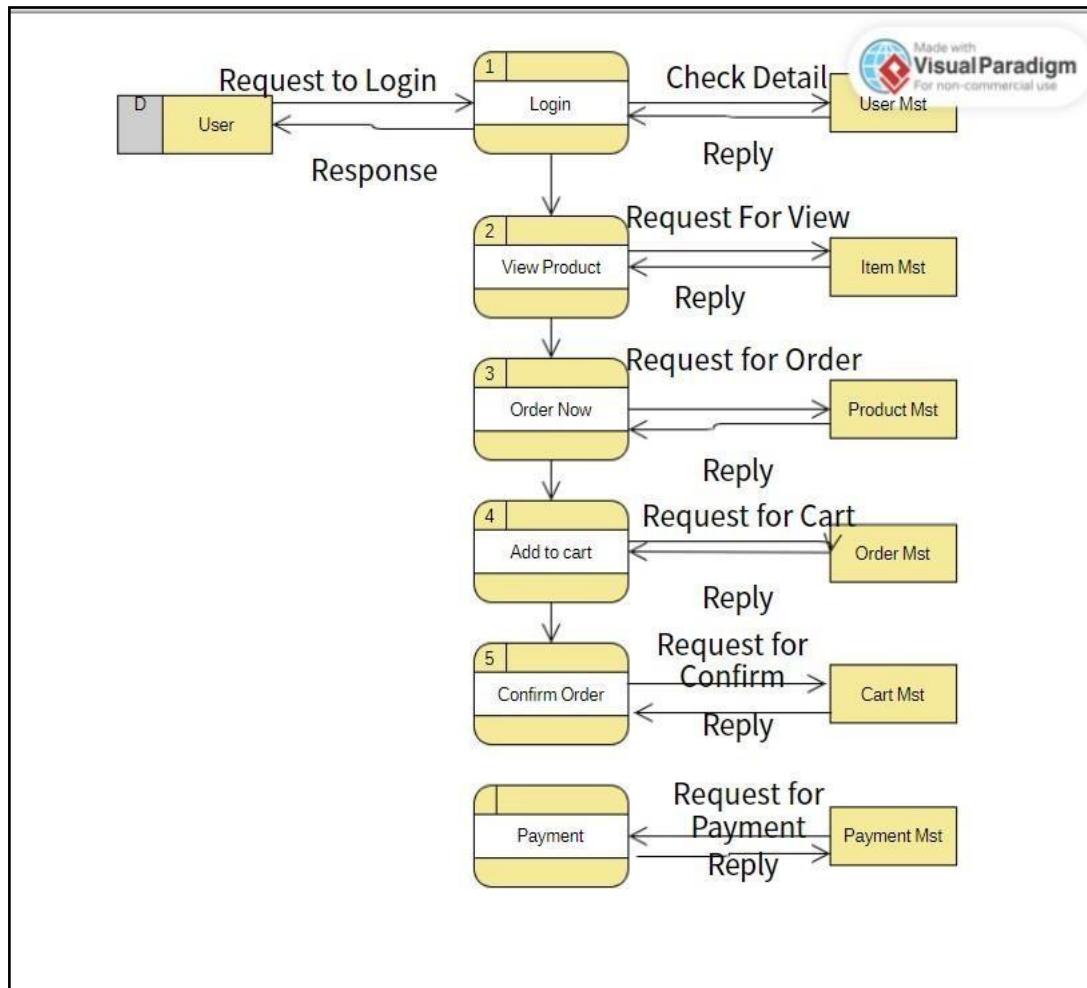
➤ 0<sup>th</sup> level DFD User Side:



➤ 1<sup>st</sup> level DFD User Side:



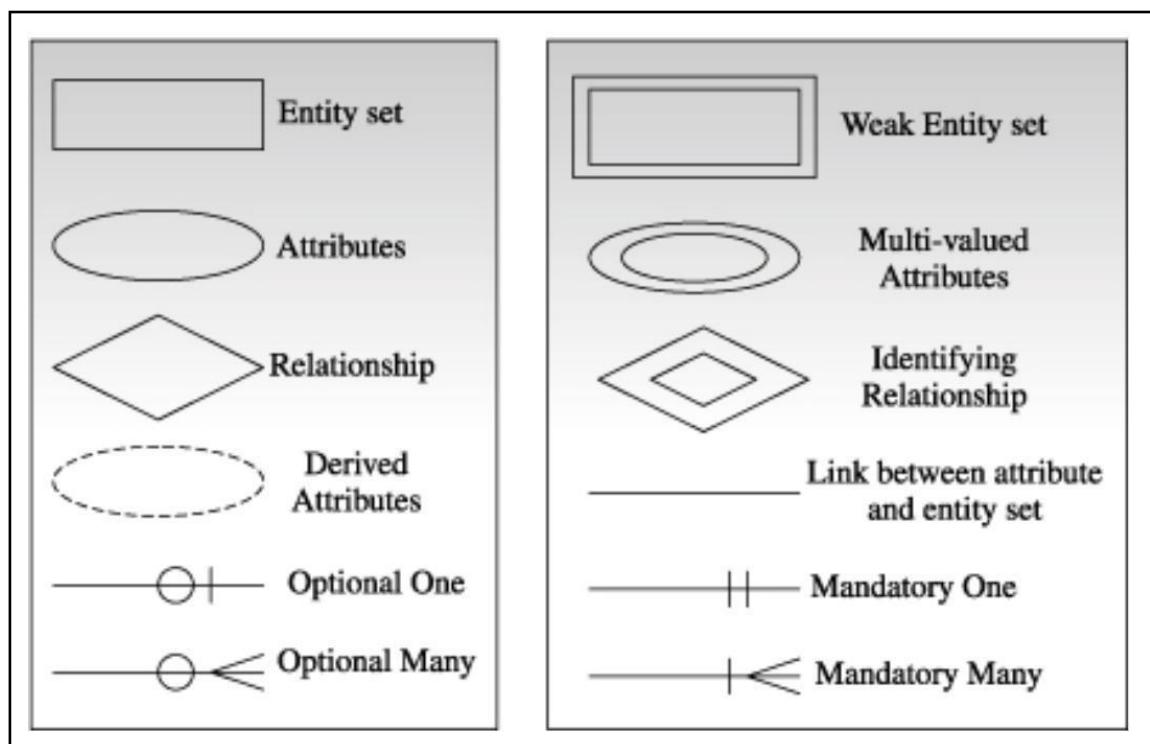
➤ 2<sup>nd</sup> level DFD User Side:

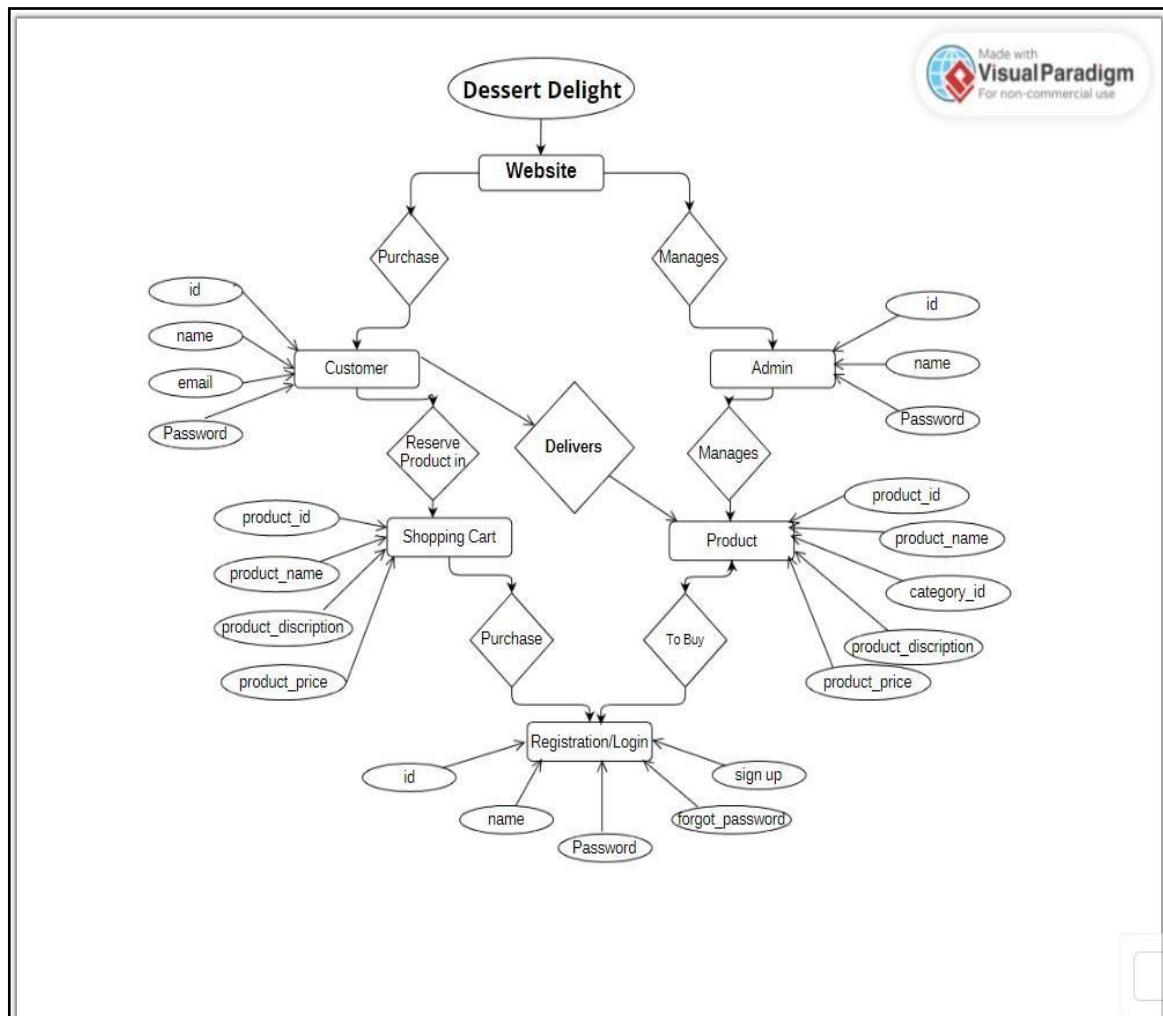


### 4.1.3 E-R Diagram:

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.

#### ➤ Symbols:



**E-R Diagram:**

#### 4.1.4 Modules Design:

➤ **Admin side before Login:**

- Login:
- Forgot Password:

➤ **Admin Side after Login:**

- Home:
- Product Management:
  - Add Product:
  - Update Product:
  - Delete Product:
- Category Management:
  - Add Category:
  - Update Category:
  - Delete Category:
- View Product:
  - Add New Product:
- View Category:
  - Add new Category:
- Feedback:
- FAQ:
  - User Reply:
- Events:
  - Add:
  - Update:
  - Delete:
- Offers:
  - Add:
  - Update:
  - Delete:
- Logout:

➤ **User Side after Login:**

- Home:
- About:
- Sign Up:
  - Registration:
- Login:
  - Forgot Password:

➤ **User Side after Login:**

- Home:
- About:
- Product:
  - All Category:
- Services:
- Gallery:
- Contact:
- Offers:
- Events:
- FAQ:
- Spin wheel:
- Feedback:

### 4.1.5 Data Dictionary:

➤ Admin Login:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/>	2 name	varchar(100)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/>	3 password	varchar(100)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/> <input checked="" type="checkbox"/> Check all		With selected:		Browse	Change	Drop	Primary	Unique	Index
								Spatial	

➤ Cart:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 pro_id	int(5)			No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/>	2 pro_name	varchar(100)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/>	3 quantity	int(100)			No	None			Change  Drop  More
<input type="checkbox"/>	4 price	varchar(20)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/>	5 total	double			No	None			Change  Drop  More
<input type="checkbox"/> <input checked="" type="checkbox"/> Check all		With selected:		Browse	Change	Drop	Primary	Unique	Index
								Spatial	

➤ Category:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 category_id	int(11)			No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/>	2 category_name	varchar(150)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/> <input checked="" type="checkbox"/> Check all		With selected:		Browse	Change	Drop	Primary	Unique	Index
								Spatial	

➤ Event:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 event_id	int(30)			No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/>	2 event_name	varchar(200)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/>	3 event_date	date			No	None			Change  Drop  More
<input type="checkbox"/> <input checked="" type="checkbox"/> Check all		With selected:		Browse	Change	Drop	Primary	Unique	Index
								Spatial	

➤ FAQ'S:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(30)			No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/>	2 user_question	varchar(300)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/>	3 admin_reply	varchar(300)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/> <input checked="" type="checkbox"/> Check all    With selected:  Browse  Change  Drop  Primary  Unique  Index  Spatial									

➤ Feedback:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 fb_id	int(11)			No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/>	2 name	varchar(100)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/>	3 email	varchar(100)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/>	4 phone_no	bigint(20)			No	None			Change  Drop  More
<input type="checkbox"/>	5 message	varchar(150)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/> <input checked="" type="checkbox"/> Check all    With selected:  Browse  Change  Drop  Primary  Unique  Index  Spatial									

➤ Offers:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 offer_id	int(30)			No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/>	2 offer_name	varchar(150)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/>	3 offer_discount	int(100)			No	None			Change  Drop  More
<input type="checkbox"/>	4 start_date	date			No	None			Change  Drop  More
<input type="checkbox"/>	5 end_date	date			No	None			Change  Drop  More
<input type="checkbox"/> <input checked="" type="checkbox"/> Check all    With selected:  Browse  Change  Drop  Primary  Unique  Index  Spatial									

➤ Product:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 product_id	int(11)			No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/>	2 category_id	int(11)			No	None			Change  Drop  More
<input type="checkbox"/>	3 product_name	varchar(150)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/>	4 product_description	varchar(250)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/>	5 product_price	int(11)			No	None			Change  Drop  More
<input type="checkbox"/>	6 product_image	text	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/> <input checked="" type="checkbox"/> Check all    With selected:  Browse  Change  Drop  Primary  Unique  Index  Spatial									
Fulltext									

➤ Sign Up:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change  Drop  More	
<input type="checkbox"/>	2 name	varchar(100)	utf8mb4_general_ci		No	None			Change  Drop  More	
<input type="checkbox"/>	3 email	varchar(100)	utf8mb4_general_ci		No	None			Change  Drop  More	
<input type="checkbox"/>	4 psw	varchar(50)	utf8mb4_general_ci		No	None			Change  Drop  More	
<input type="checkbox"/>	5 cpsw	varchar(50)	utf8mb4_general_ci		No	None			Change  Drop  More	
<input type="checkbox"/> Check all		With selected:		Browse	Change	Drop	Primary	Unique	Index	Spatial
Fulltext										

➤ User Login:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change  Drop  More	
<input type="checkbox"/>	2 name	varchar(100)	utf8mb4_general_ci		No	None			Change  Drop  More	
<input type="checkbox"/>	3 password	varchar(100)	utf8mb4_general_ci		No	None			Change  Drop  More	
<input type="checkbox"/> Check all		With selected:		Browse	Change	Drop	Primary	Unique	Index	Spatial
Fulltext										

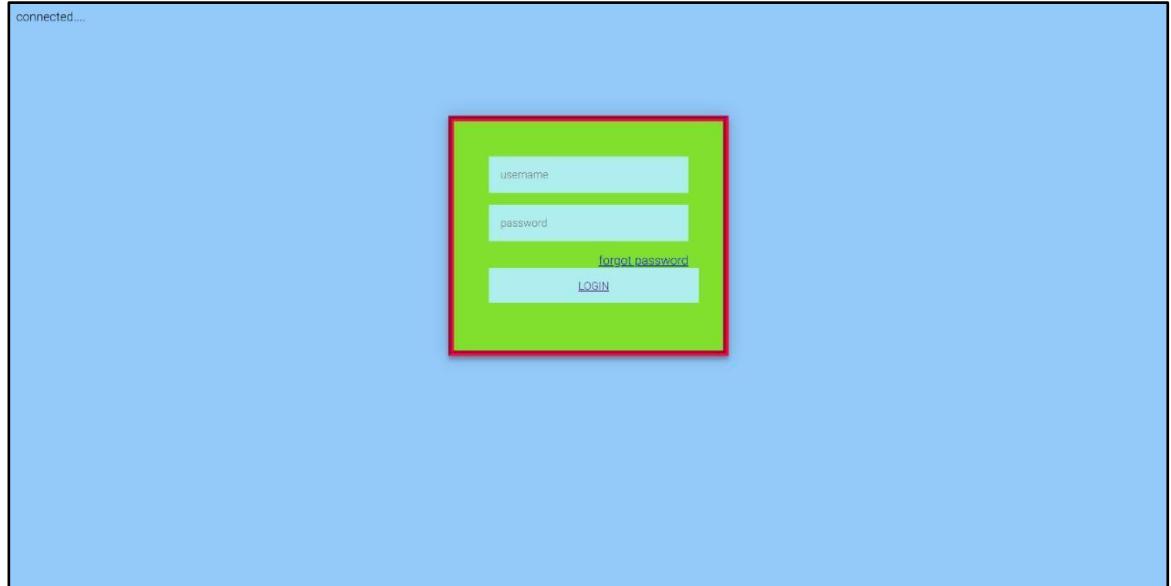
# Chapter 5: Screen-Layout and Testing

## CHAPTER 5: SCREENLAYOUT AND TESTING

### 5.1 Screen Layout:

#### 5.1.1 Admin Side:

- Before Login:
- Login:



#### ➤ Code File:

```
<?php
session_start();
include "../conn.php";
if(isset($_REQUEST["ad_login"]))
{
$getuser=mysqli_query($con,"select * from adminlogin where
name='".$REQUEST["unm']."' AND password='".$REQUEST["psw"]."')");
$res=mysqli_fetch_row($getuser);
$nores=mysqli_num_rows($getuser);
if($nores>0)
{
$_SESSION["ad_session"]=$res[1];
echo "<script>window.location='index1.php';</script>";
}
else
echo "<script>window.location='login.php';</script>";
}
else
echo "<script>window.location='login.php';</script>";
?>
```

➤ **After Login:**

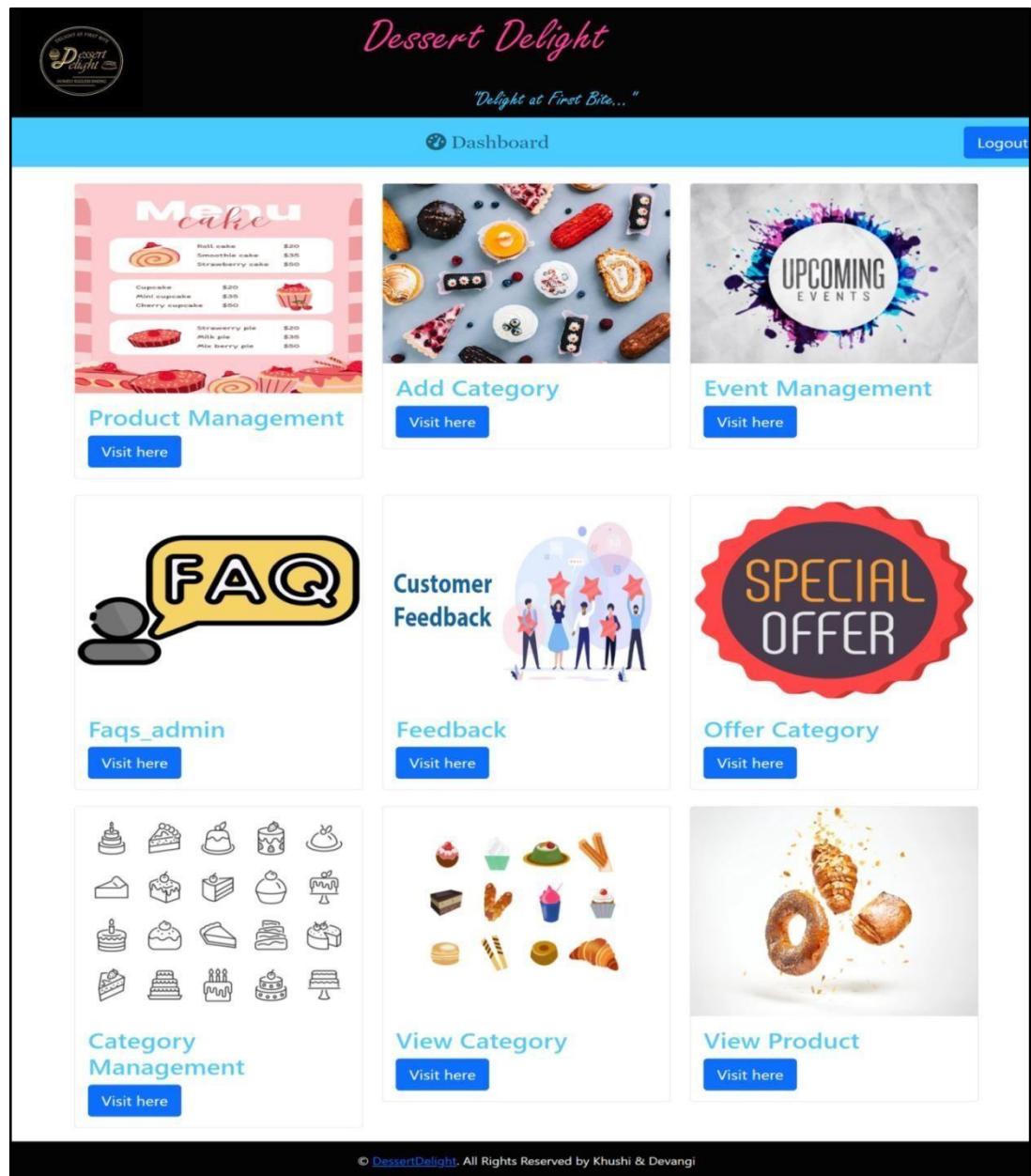
➤ **Header:**



➤ **Footer:**



➤ Home:



➤ Code File:

```
<imgsrc="../images/addcate.jpg" class="card-img-top" alt="Card Image">
<div class="card-body">
<h2 class="card-title" style="color: #4accff;">Add 1Category</h2>
<a href="Categoryadd.php" class="btnbtn-primary btn-lg">Visit here</a>
</div></div>
<div class="col-md-4">
<div class="card">
<imgsrc="../images/event.jpg" class="card-img-top" alt="Card Image">
<div class="card-body">
<h2 class="card-title" style="color: #4accff;">Event Management</h2>
<a href="event_management.php" class="btnbtn-primary btn-lg">Visit here</a>
```

➤ **Product Management.php:**

➤ **Code File:**

➤ **For Insert data:**

```
$query = "INSERT INTO product (category_id,product_name,
product_description,product_price,product_image) VALUES
('$category_id','$product_name','$product_description',$product_price,'$path')";
$result = mysqli_query($con,$query);
```

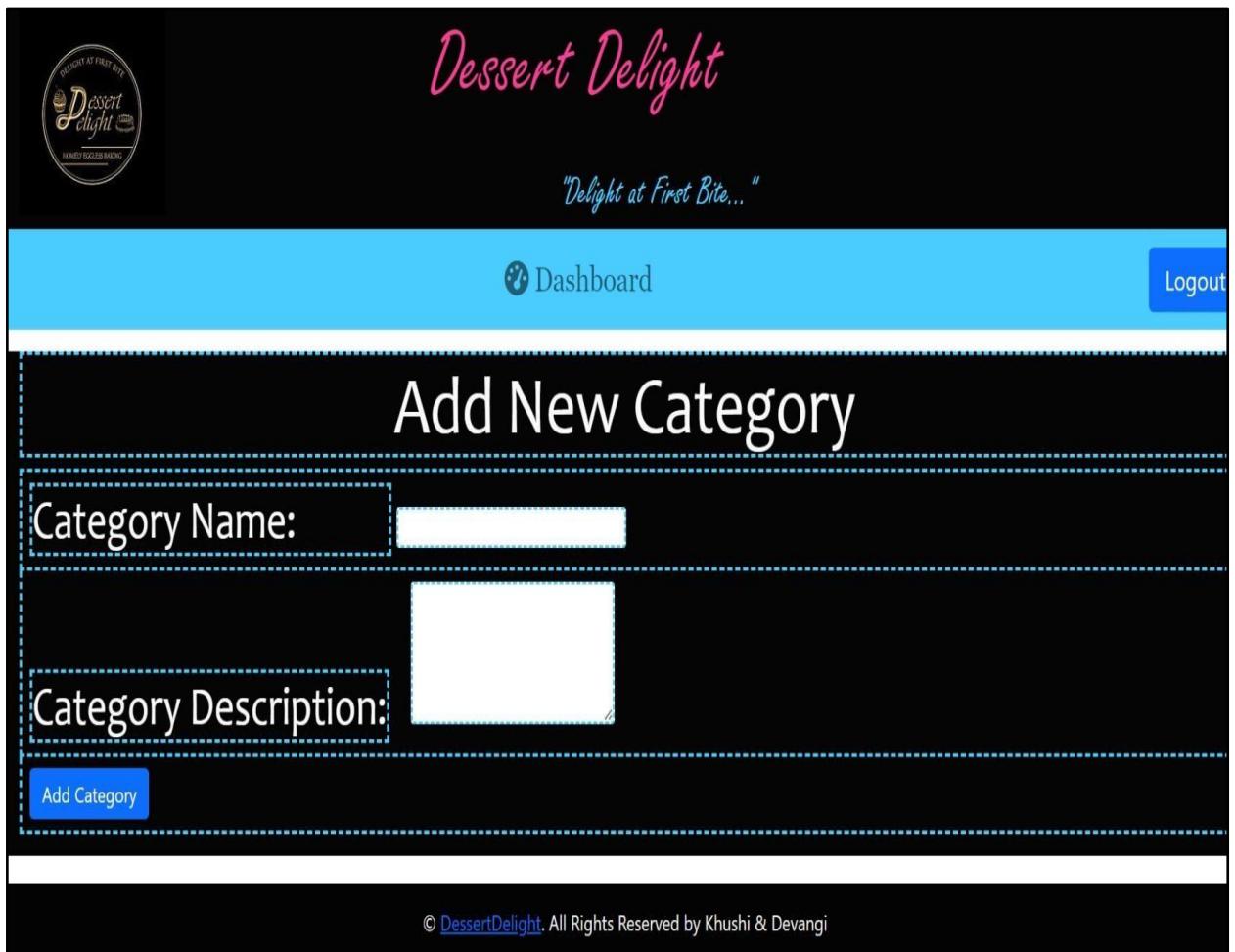
➤ **For Update data:**

```
mysqli_query($con,"UPDATE product SET product_name =
'$new_product_name', product_description = '$new_product_description',
product_price = '$new_product_price' WHERE product_id = '$product_id'");
```

➤ **For Delete data:**

```
mysqli_query($con,"DELETE FROM product WHERE product_id =
'$product_id'");
```

➤ Add Category.php:



➤ Code File:

```
<?php

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    if (isset($_POST['submit'])) {
        $category_name = $_POST['category_name'];
        $category_description = $_POST['category_description'];
        echo "<h4 class='text-success'>Category added successfully!</h4>";
    }
}
?>
```

➤ Event Management.php:

➤ Code File:

➤ For Insert Data:

```
$query = "INSERT INTO event (event_name, event_date) VALUES
('$event_name', '$event_date')";
$result = mysqli_query($con, $query);
```

➤ For Update Data:

```
mysqli_query($con, "UPDATE event SET event_name = '$new_event_name',
event_date = '$new_event_date' WHERE event_id = '$event_id'");
```

➤ For Delete Data:

```
mysqli_query($con, "DELETE FROM event WHERE event_id = '$event_id'");
```

➤ FAQ'S Admin.php:

The screenshot shows the 'View FAQ's' section of the Admin Dashboard. It displays two user questions and their corresponding admin replies. The first question is 'Can you give me customize Dessert?' with the reply 'Yahh!! of course.'. The second question is 'What is a cost of 100 waffles?' with the reply '6000'. There are input fields for admin replies and submit buttons.

ID	User Question	Reply
1	Can you give me customize Dessert?	Yahh!! of course.
2	What is a cost of 100 waffles?	6000

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➤ Code File:

```

if($_SERVER['REQUEST_METHOD'] === 'POST') {
    if(isset($_POST['submit_add_event'])) {
        $admin_reply = $_POST['admin_reply'];
        $faq_id = $_POST['faq_id']; // Add this line to get the FAQ id
        $query = "UPDATE faqs SET admin_reply = '$admin_reply' WHERE id =
$faq_id";
        $result = mysqli_query($con, $query);
        if ($result) {
            echo "<script>window.location='faqs_admin.php'</script>"; }}?>
<?php
    $query = "SELECT * FROM faqs"; // Adjust your query
    $result = mysqli_query($con, $query);
    if ($result) { while ($row = mysqli_fetch_array($result)) {
echo "<td style='border: 3px dashed rgb(74, 204, 255);'>" . $row[0] . "</td>";
action='{$_SERVER['PHP_SELF']}'>";
            echo "<input type='hidden' name='faq_id' value='".$row['id']."' .";
            echo "<label for='admin_reply'>Admin Reply:</label>";
        } } else {
            echo "Error fetching faqs: " .mysqli_error($con); }
    
```

➤ Feedback.php:

The screenshot shows the 'View Feedback' page of the Dessert Delight website. At the top, there is a logo with the text 'Dessert Delight' and 'HONEY TOGGLING'. Below the logo, the tagline 'Delight at First Bite...' is displayed. A navigation bar with 'Dashboard' and 'Logout' buttons is visible. The main content area has a heading 'View Feedback'. A table displays a single row of feedback data:

fb_id	Name	Email	Phone_no	feedback
1	devangi	devangi1010@gmail.com	6543678904	This is best website for all candy lovers...

At the bottom, a copyright notice reads '© DessertDelight. All Rights Reserved by Khushi & Devangi'.

➤ Code File:

```
<?php
    $query = "SELECT * FROM feedback"; // Adjust your query
    $result = mysqli_query($con, $query);
    if ($result) {
        while ($row = mysqli_fetch_array($result)) {
            echo "<tr style='border: 3px dashed rgb(74, 204, 255);'>";
            echo "<td style='border: 3px dashed rgb(74, 204, 255);'>" . $row[0];
            . "</td>";
            echo "<td style='border: 3px dashed rgb(74, 204, 255);'>" . $row[1];
            . "</td>";
            echo "<td style='border: 3px dashed rgb(74, 204, 255);'>" . $row[2];
            . "</td>";
            echo "<td style='border: 3px dashed rgb(74, 204, 255);'>" . $row[3];
            . "</td>";
            echo "<td style='border: 3px dashed rgb(74, 204, 255);'>" . $row[4];
            . "</td>";
            echo "</tr>";
        }
    } else {
        echo "Error fetching feedback: " . mysqli_error($con);
    }
?>
```

➤ Offer Category.php:

The screenshot shows the 'Offer Management' section of the Dessert Delight website. It includes three forms:

- Add offer:** Fields for Offer Id, Offer Name, Offer Discount, Offer Start Date (dd-mm-yyyy), and Offer End Date (dd-mm-yyyy). A blue 'Add offer' button is at the bottom.
- Update offer:** Fields for Offer ID, New Offer Name, New Offer Discount, New Offer Start Date (dd-mm-yyyy), and New Offer End Date (dd-mm-yyyy). A blue 'Update offer' button is at the bottom.
- Delete offer:** A single field for Offer ID and a blue 'Delete Offer' button.

➤ Code File:

➤ For Insert Query:

```
$query = "INSERT INTO offers (offer_id, offer_name, offer_discount,
start_date, end_date) VALUES ('$offer_id', '$offer_name', '$offer_discount',
'$start_date', '$end_date')";
```

➤ For Update Query:

```
mysqli_query($con, "UPDATE offers SET offer_name = '$new_offer_name',
offer_discount = '$new_offer_discount', start_date = '$new_start_date', end_date =
'$new_end_date' WHERE offer_id = '$new_offer_id'");
```

➤ For Delete Query:

```
mysqli_query($con, "DELETE FROM offers WHERE offer_id = '$offer_id'");
```

➤ Category Management.php:

The screenshot shows the 'Category Management' page of the 'Dessert Delight' application. At the top, there's a logo with the text 'Dessert Delight' and 'HOMEMADE FRESH BAKING'. Below it is a tagline 'Delight at First Bite...'. The navigation bar includes a 'Dashboard' link and a 'Logout' button. A message 'connected....' is displayed. The main content area has a title 'Category Management' and three buttons: 'Add Category', 'Update Category', and 'Delete Category'. Each button has associated input fields and buttons.

➤ Code File:

➤ For Insert Query:

```
$query = "INSERT INTO category (category_name) VALUES ('$category_name');
```

➤ For Update Query:

```
mysqli_query($con, "UPDATE category SET category_name = '$new_category_name' WHERE category_id = '$category_id'")
```

➤ For Delete Query:

```
mysqli_query($con, "DELETE FROM category WHERE category_id = '$category_id');
```

➤ View Category.php:

The screenshot shows a web application interface for 'Dessert Delight'. At the top left is a circular logo with the text 'DESERT AT FIRST BITE' and 'Dessert Delight' inside. To the right of the logo is the text 'Dessert Delight' in a large, stylized font, followed by the tagline 'Delight at First Bite...'. Below the header is a blue navigation bar with a 'Dashboard' link and a 'Logout' button. A message 'connected....' is displayed below the navigation bar. The main content area has a black background and features a table titled 'View Category'. The table has two columns: 'category\_id' and 'category\_name'. The data rows are as follows:

category_id	category_name
1	Waffle
2	Cupcakes
3	Macarons
4	Candies
5	Cakes
6	Cones
7	Ice-Cream
8	Sakes

Below the table is a blue button labeled 'Add new'. At the bottom of the page, there is a copyright notice: '© DessertDelight. All Rights Reserved by Khushi & Devangi'.

➤ Code File:

```
<?php
    echo "<tr>";
    $no = mysqli_num_fields($result);
    for ($i = 0; $i < $no; $i++) {
        $fieldinfo = mysqli_fetch_field_direct($result, $i);
        echo "<th style='border: 1px dashed rgb(74, 204, 255);'" . $fieldinfo-
>name . "</th>";
    }
    echo "<tr>";
    while ($row = mysqli_fetch_array($result)) {
        echo "<tr>";
    } ?>
```

➤ View Product.php:



*Dessert Delight*

"Delight at First Bite..."

connected...
Dashboard
Logout

### View Product

product_id	category_id	product_name	product_description	product_price	product_image
2	5	Chocolate Cake	Made with organic chocolate.	650	
3	5	Strawberry Cake	Made with strawberry and cream.	700	
4	5	Black - Forest cake	This is made with creamy chocolate.	750	
5	5	Banana Cake	This is made with banana.	570	
6	5	Flourless Orange cake	This is made with orange.	700	
7	5	Strawberry Cake	This is made with strawberry.	650	
8	2	Chocolate Cupcake	This is made with original chocolate.	60	
9	2	Vanilla Cupcake	This is made with vanilla flavor.	60	
10	2	Frosty Cupcake	This is made with chocolate.	70	
11	2	Strawberry Cupcake	This is made with strawberry.	80	
12	2	Strawberry Cupcake	This is made with Strawberry.	80	
13	2	Gourmet Frosting	This is best for cupcake lovers.	80	
14	2	Peanut Butter Cupcake	This is made with peanut butter.	60	
15	2	Strawberry Cupcake	This is made with strawberry.	90	
16	3	Chocolate Macarons	This is made with chocolate.	60	
17	3	Milky Macarons	This is made with milk cream.	80	
18	3	Raspberry macaroon	This is made with Raspberry.	140	
19	3	Orange Macaron	This is made with orange.	160	
20	3	Pistachio macaron	This is different flavor.	180	
21	3	Chocolate macaron	This is made with Chocolate.	120	
23	3	Lemon macaron	This is made with Lemon Flavours.	135	
24	3	Pista macarons	This is made with pista flavours.	170	
25	3	Raspberry macaroon	This is made with Raspberry.	170	
26	3	Creamy Macarons	This is made with Cream.	120	
27	3	Dark Chocolate macarons	This is made with dark Chocolate.	165	
28	3	Mix Fruit macarons	This is made with mix fruits.	180	
29	8	Vanilla Sake	This is made with Vanilla.	120	
30	8	Blueberry Milkshake	This is made with Blueberry.	150	
31	8	Salted Caramel Sake	This is best flavours.	140	
32	8	Chocolate Milkshake	This is made with Chocolate.	140	
33	8	Oreo Milkshake	This is made with Oreo.	160	
34	8	Orange Milkshake	This is made with orange.	125	
35	8	Strawberry Milkshake	This is made with Strawberry.	160	
36	8	Blueberry Milkshake	This is made with Blueberry.	150	
37	7	Vanilla Ice-cream	This is made with vanilla.	60	
38	7	Chocolate Ice-cream	This is made with Chocolate.	80	
39	7	Rocky Road Ice-cream	This is made with different flavours.	120	
40	7	Chocolate Chip	This is made with different chocolate.	130	
41	7	Pineapple Ice-cream	This is made with pineapple.	120	
42	7	Mix-Fruits Ice-Cream	This is made with mix fruits.	130	
43	7	Mint Chocolate Chip	This is best ice cream flavours.	140	
44	7	Strawberry Ice-cream	This is made with strawberry.	110	
45	4	Chocolate Fruit candy	This is made with fruits	60	
46	4	Pineapple candy	This is made with pineapple.	50	
47	4	Strawberry candy	This is made with Strawberry.	70	
48	4	Milk Cream candy	This is made with cream and milk.	40	
49	4	Black Raspberry Chip	This is made with black raspberry.	80	
50	4	Cherry Vanilla	This is made with Cherry.	70	
51	4	Mint Chocolate Chip	This is best for candy lovers.	90	
52	4	Nuts candy	This is made with original nuts and fruits.	120	
53	6	Chocolate cones	This is made with chocolates.	60	
54	6	Mix Fruits cone	This is made with mix Fruits.	60	
55	6	Mix Cream Cone	This is our special item.	140	
56	6	Dream Cone	This is best for cone lovers.	130	
57	1	Strawberry waffle	This is made with strawberry.	120	
58	1	Vanilla Waffle	This is made with Vanilla.	130	
59	1	Mix fruit Waffle	This is made with mix fruits.	140	
60	1	Strawberry waffle	This is made with Strawberry.	150	

[Add new](#)

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➤ **Code File:**

```
<?php
    echo "<tr>";
    $no = mysqli_num_fields($result);
    for ($i = 0; $i < $no; $i++) {
        $fieldinfo = mysqli_fetch_field_direct($result, $i);
        echo "<th style='border: 1px dashed rgb(74, 204, 255);'>" . $fieldinfo-
>name . "</th>";
    }
    echo "<tr>";
    while ($row = mysqli_fetch_array($result)) {
        echo "<tr>";
        echo "<td style='border: 1px dashed rgb(74, 204, 255);'>" . $row[0] .
"</td>";
        echo "<td style='border: 1px dashed rgb(74, 204, 255);'><imgsrc='../' .
$row[5] . '" height=50px width=50px></td>";
        echo "</tr>";
    }
?>
```

➤ **LogOut.php:**

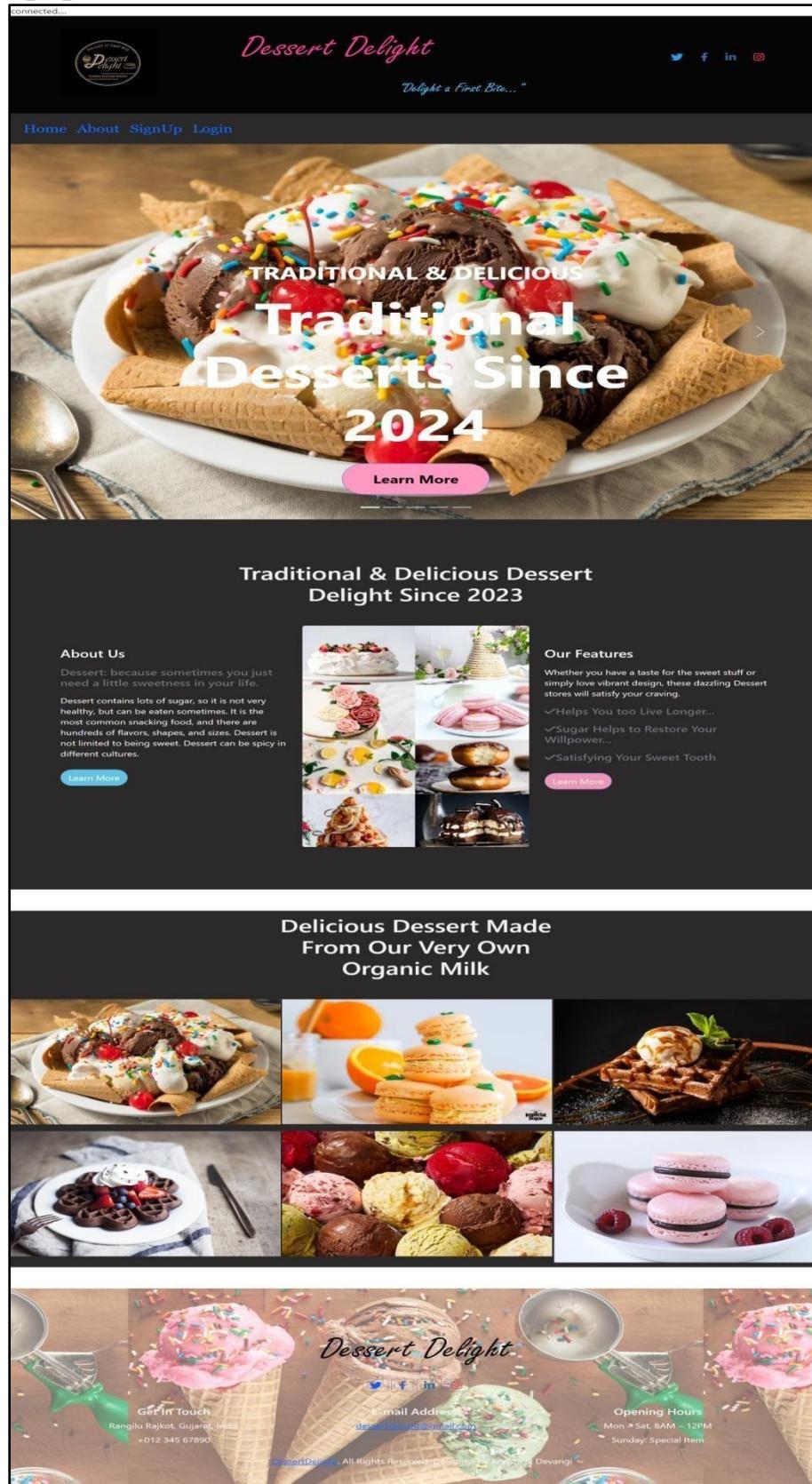
*Succesfully logged out Thank you for visiting our website..[Login](#)*

➤ **Code File:**

```
<?php
session_start();
session_unset();
session_destroy();
?>
```

### 5.1.2 User Side:

- Before Login:
- Index.php:



➤ **About.php:**

# Traditional & Delicious Dessert Delight Since 2023

### About Us

Dessert: because sometimes you just need a little sweetness in your life.

Dessert contains lots of sugar, so it is not very healthy, but can be eaten sometimes. It is the most common snacking food, and there are hundreds of flavors, shapes, and sizes. Dessert is not limited to being sweet. Dessert can be spicy in different cultures.

[Learn More](#)

### Our Features

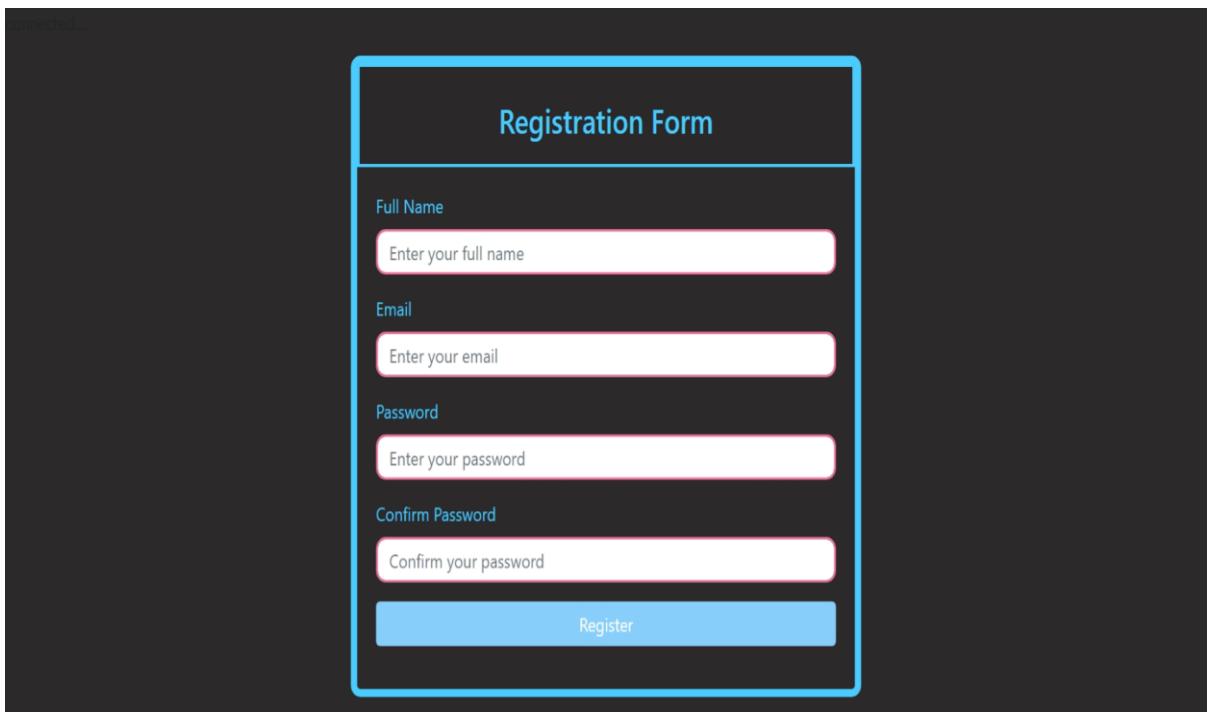
Whether you have a taste for the sweet stuff or simply love vibrant design, these dazzling Dessert stores will satisfy your craving.

- ✓ Helps You too Live Longer...
- ✓ Sugar Helps to Restore Your Willpower...
- ✓ Satisfying Your Sweet Tooth

[Learn More](#)



➤ **SignUp.php:**



➤ **Code File:**

```
<?php
include('conn.php');
error_reporting(E_ALL);
ini_set('display_errors', 1);
if(isset($_POST["submit"])) {
    $name = $_POST["name"];
    $email = $_POST["email"];
    $psw = $_POST["psw"];
    $cpsw = $_POST["cpsw"];
    $signup_query = "INSERT INTO signup (name, email, psw, cpsw) VALUES
    ('$name', '$email', '$psw', '$cpsw')";
    if(mysqli_query($con, $signup_query)) {
        echo "Data inserted into signup table successfully.<br>";
    } else {
        echo "Error inserting data into signup table: " .mysqli_error($con) . "<br>";
    }
    $userlogin_query = "INSERT INTO userlogin (name, password) VALUES
    ('$name', '$psw')";
    if(mysqli_query($con, $userlogin_query)) {
        echo "Data inserted into userlogin table successfully.<br>";
    } else {
        echo "Error inserting data into userlogin table: " .mysqli_error($con) .
    "<br>";
    }
}
?>
```

➤ Login:



➤ Code File:

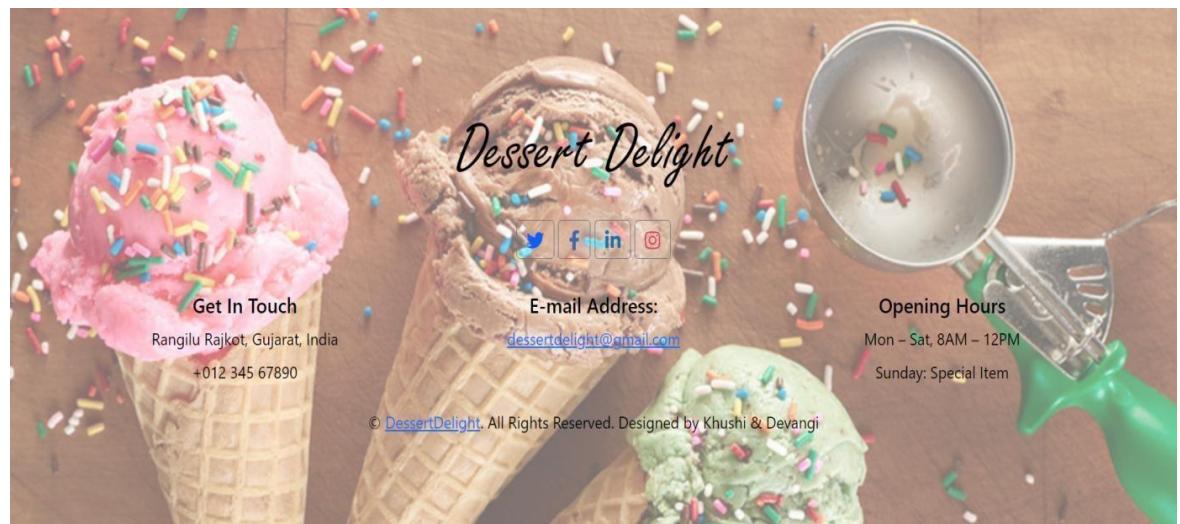
```
<?php include "conn.php"; ?>
<?php
if(isset($_REQUEST["submit"])) {
    $name = $_REQUEST["name"];
    $psw = $_REQUEST["password"];
    mysqli_query($con, "INSERT INTO userlogin (name, password) VALUES
    ('$name', '$psw')");
    echo "<script>window.location='afterlogin.php'</script>";
}
?>
<?php
session_start();
include "../conn.php";
if(isset($_POST["ad_login"])) {
    $name = $_POST["name"];
    $password = $_POST["password"];
    // You should perform validation and security checks here
    $getuser = mysqli_query($con, "SELECT * FROM userlogin WHERE
    name='$name' AND password='$password'");
    $res = mysqli_fetch_row($getuser);
    $nores = mysqli_num_rows($getuser);
    if ($nores > 0) {
        $_SESSION["ad_session"] = $res[1];
        echo "<script>window.location='afterlogin.php';</script>";
    } else {
        echo "Login failed.";
    }
} else {
    echo "<script>window.location='index.php';</script>";
}
?>
```

➤ After Login:

➤ Header:



➤ Footer:



➤ Product:

The screenshot shows a mobile version of the Dessert Delight website. At the top, there's a header with the logo "Dessert Delight" and the tagline "Delight at First Bite...". Below the header is a navigation bar with links: Home, About, Product (with a dropdown arrow), Services, Gallary, Contact, FAQ's, Feedback, Offers, Events, and Spinner. The main content area features a large title "Best Prices We Offer for Dessert Lovers". Below this are two rows of dessert items, each with a price tag and an "Order Now" button.

Item	Price	Description	Action
Vanilla Sake	120		<a href="#">Order Now</a>
Blueberry Milkshake	150		<a href="#">Order Now</a>
Salted Caramel Sake	140		<a href="#">Order Now</a>
Chocolate Milkshake	140		<a href="#">Order Now</a>
Oreo Milkshake	160		<a href="#">Order Now</a>
Orange Milksake	125		<a href="#">Order Now</a>
Strawberry Milkshake	160		<a href="#">Order Now</a>
Blueberry Milksake	150		<a href="#">Order Now</a>

In the center of the page, below the second row of items, is the message "No Products Available".

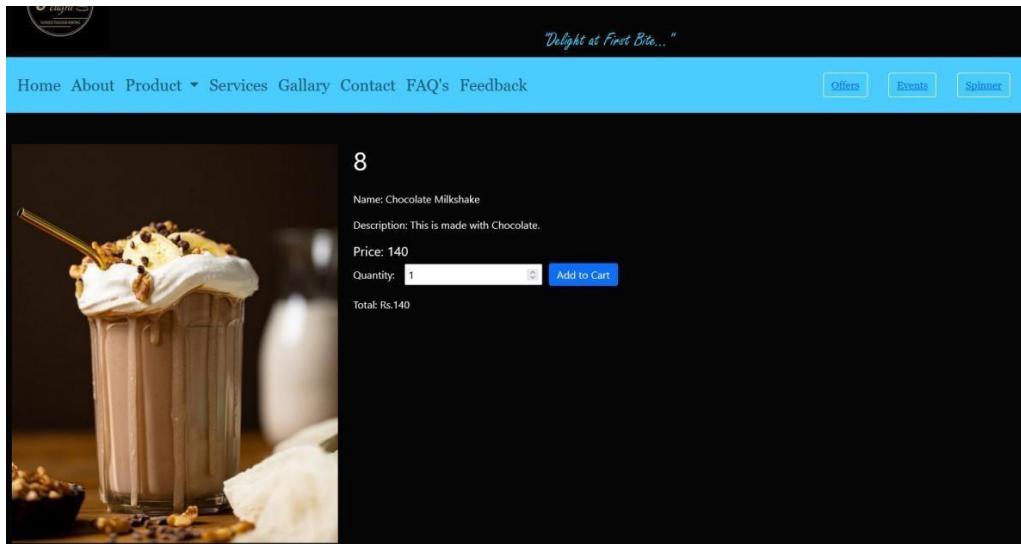
The footer section features a collage of ice cream cones and sprinkles. It includes social media icons, an email address (desertdelight@gmail.com), and opening hours (Mon - Sat, 8AM - 12PM; Sunday: Special Item). The footer also contains the copyright notice: "© DessertDelight. All Rights Reserved. Designed by Khushi & Devangi".

## ➤ Code File:

```
<?php
    include("header.php");
    $pro=mysqli_query($con,"select * from product where
category_id=".$_REQUEST["cid"]);
?>
<div class="container-fluid py-3" style="background-color: #050505;color:
#fcfafa;">
<div class="container py-5">
<?php
    if(mysqli_num_rows($pro)>0)
    {
        ?>
<div class="row justify-content-center">
<div class="col-lg-5">
<h1 class="section-title position-relative text-center mb-5">Best Prices We Offer for
Dessert Lovers</h1>
</div></div>
<div class="row ">
<?php
    while ($rpro = mysqli_fetch_array($pro)) {
        ?>
<div class="col-lg-3 col-md-6 mb-4 pb-2 bg-light" >
<div class="product-item d-flex flex-column hover-overlay align-items-center text-
center squer py-5 px-3" style="background-color: hsla(195, 83%, 58%, 0.2);>
<div class="squer-circle mt-n5 py-3" style="height:75px; width: 80px;
background-color: rgb(74, 204, 255);>
<h4 class="font-weight-bold text-white mb-0">Price: <?php echo $rpro[4]; ?></h4>
</div>
<div class="position-relative squer-circle mt-n3 mb-4 p-2" style="width: 150px;
height: 150px; background-color: rgb(74, 204, 255);>
<a href="ProductDetail.php?id=<?php echo $rpro[0]; ?>">

</a></div>
<!-- Other product details ... -->
<h5 class="font-weight-bold mb-4">
<a href="ProductDetail.php?id=<?php echo $rpro[0]; ?>"><?php echo $rpro[2];
?></a>
</h5>
<a href="cart.php?id=<?php echo $rpro[0]; ?>" class="btn btn-sm btn-primary"
style="background-color: rgb(74, 204, 255);>Order Now</a></div></div>
<?php
?>
<h3 class="title-w3ls text-center text-bl mb-5">No Products Available</h3>
<?php
    }
?></div></div>
```

➤ Cart.php:



➤ Code File:

```
<?php
```

```
if(isset($_REQUEST["id"])){
    $productId = $_REQUEST["id"];
    $pro = mysqli_query($con, "select * from product where
product_id=$productId");
    if($pro) {
        $r = mysqli_fetch_row($pro);
        if($r) { echo '<div class="col-lg-4 mb-8 mb-lg-0 product-image-container">';
            echo '';
            echo '<h1 class="mb-4">' . $r[1] . '</h1>';
            echo '<p>Name: ' . $r[2] . '</p>';
            echo '<p>Description: ' . $r[3] . '</p>';
            echo '<h5>Price: ' . $r[4] . '</h5>';
            echo '<form action="payment.php" method="GET" style="
display: flex; align-items: center; ">';
            echo '<input type="hidden" name="pro_id" value="' . $productId . '">';
            echo '<input type="hidden" name="pro_name" value="' . $r[2] . '">';
            echo '<input type="hidden" name="price" value="' . $r[4] . '">';
            echo '<label for="quantity">Quantity:</label>';
            echo '<button type="submit" class="btn btn-primary" style="margin-
left:10px;line-height: normal;">Add to Cart</button>';
            echo '</form>';
            echo '<p>Total: Rs.<span id="total">' . ($r[4] * 1) . '</span></p>';
            echo '<script>
document.getElementById("quantity").addEventListener("input", function() {
    var total = price * quantity;
document.getElementById("total").textContent = total.toFixed(2); line-height: 1;
});
</script>';
```

➤ Payment.php:

**Product:** Chocolate Milkshake

**Price:** Rs.140

**Quantity:** 1

**Total:** Rs.140

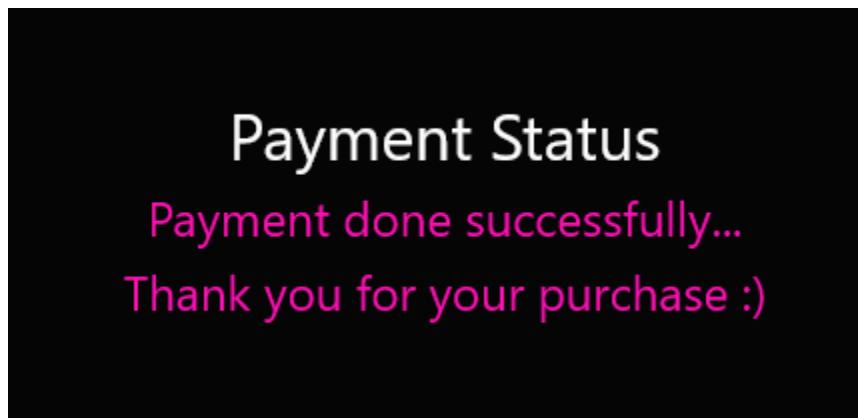
**Pay Now**

Product added to cart.

➤ Code File:

```
<?php
include("header.php");
$absolute_path = 'conn.php'; // Adjust this path
include($absolute_path);
?>
<?php
if(isset($_GET['pro_name']) && !isset($_GET['quantity']) && !isset($_GET['price']))
{
    $productName = $_GET['pro_name'];
    $quantity = $_GET['quantity'];
    $price = $_GET['price'];
    $total = $price * $quantity;
    $insertQuery = "INSERT INTO cart (pro_name, price, quantity, total) VALUES
    ('$productName', '$price', '$quantity', '$total')";
    if(mysqli_query($con, $insertQuery))
    {
        $insertSuccess = true;
    }
    else
    {
        $insertSuccess = false;
        echo "Error adding product to cart: ".mysqli_error($con);
    }
}
else
{
    echo "Invalid request.";
    exit;
?>
```

➤ **Process\_payment.php:**



➤ **Code File:**

```
<?php
include("header.php");
?>
<div class="container-fluid py-5" style="background-color: #050505;color:
#fcfafa;">
<div class="row">
<div class="col-md-6 offset-md-3" style="text-align:center;">
<h2>Payment Status</h2>
<h4 style="color: #fc12b2; ">Payment done successfully...</h4>
<h4 class="text-center" style="color: #fc12b2;">
    Thank you for your purchase :)
</h4>
</div>
</div>
</div>
<?php
include("footer.php");
?>
```

➤ Services.php:

**Best Services We Provide For Our Clients**



**Celebration Dessert**  
Our Dessert Shop Provide Best Service to Customer. We also provide Dessert for Celebration and Party. Any types of queris so you can contact us.

[Order Now](#)



**Delivery To Any Point**  
We provide best Delivery Services to Customer. Automates delivery management processes to ensure that all orders can be delivered in the shortest time and at the minimum cost possible.

[Order Now](#)



**Quality Maintain**  
Controlling the quality of food is important to ensure that consumers consume safe food products and safeguard them from risks associated with contaminated foods. For buyers, it also reduces the risks of dealing with fraudulent suppliers and receiving poor goods.

[Order Now](#)

**Clients Say About Our Famous Dessert**

Eating Dessert makes me happy. It's a mouth-watering dessert for everyone. They many flavors in India that offers ice creams in form of cone, cup, stick etc. This is a frozen dessert cone, the best flavor is Strawberry because it tastes like I'm eating Strawberry with some chocolate. Amul ice cream- It's a delicious ice cream made with fresh milk in many flavor. Kwality wall's ice cream- Have a feast with chocolate Cornett, kulfis etc. Arun ice cream-Introducing trio bars, I cone and I bars etc. Mother dairy ice cream- offers delightful ice creams. Vadilal ice cream- offers high quality ice creams.



➤ Gallery.php:



➤ **Contact.php:**

➤ **FAQ's.php:**

User Question:	Can you give me customize Dessert?
Admin Reply:	Yahh!! of course.
User Question:	What is a cost of 100 waffles?
Admin Reply:	6000

➤ **Code File:**

```
<?php
include("header.php");
include("conn.php");
if($_SERVER["REQUEST_METHOD"] == "POST"
&&isset($_POST['submit_user_question'])) {
    $user_question = $_POST["user_question"];
    $query = "INSERT INTO faqs (user_question) VALUES ('$user_question')";
    $result = mysqli_query($con, $query);
    if ($result) {
```

```

        echo "<script>window.location='FAQs.php'</script>";
    } else {
        echo "Error adding user question: " .mysqli_error($con);
    }
}

if($_SERVER["REQUEST_METHOD"] == "POST"
&&isset($_POST['submit_admin_reply'])) {
    $faq_id = $_POST["faq_id"];
    $admin_reply = $_POST["admin_reply"];
    $update_query = "UPDATE faqs SET admin_reply = '$admin_reply' WHERE id
= $faq_id";
    $update_result = mysqli_query($con, $update_query);
    if (!$update_result) {
        echo "Error updating admin reply: " .mysqli_error($con);
    }
}
$query = "SELECT * FROM faqs";
$result_res = mysqli_query($con, $query);
?>
<?php
if ($result_res) {
    while ($row = mysqli_fetch_array($result_res)) {
        echo "<tr>";
        echo "<td>User Question:</td>";
        echo "<td>{$row['user_question']}</td>";
        echo "</tr>";
        if (empty($row['admin_reply'])) {
            echo "<tr>";
            echo "<td><label for='admin_reply'>Admin Reply:</label></td>";
            echo "<td>";
            echo "<form method='post' action='{$\_SERVER['PHP_SELF']}'>";
            echo "<input type='hidden' name='faq_id' value='".$row['id']."'>";
            echo "<textarea name='admin_reply' rows='4' cols='50'
required></textarea>";
            echo "<input type='submit' name='submit_admin_reply' value='Submit
Admin Reply'>";
            echo "</form>";
            echo "</td>";
            echo "</tr>";
        } else {
            echo "<tr>";
            echo "<td>Admin Reply:</td>";
            echo "<td>{$row['admin_reply']}</td>";
            echo "</tr>";
        }
    }
} else {
    echo "Error fetching FAQs: " .mysqli_error($con);
}
?>

```

➤ **Feedback.php:**

The screenshot shows a feedback form titled "Feedback Form". It contains four input fields: "Name", "Email", "Phone Number", and "Message". Below the message field is a large text area. At the bottom right is a "Submit" button. The entire form is enclosed in a dashed blue border.

➤ **Code file:**

```
<!--header start-->
<?php
include("header.php");
include("conn.php");
?>
<!--header end-->
<?php
// Check if the form has been submitted
if($_SERVER["REQUEST_METHOD"] == "POST") {
    // Process form submission
    $name = $_POST["Name"];
    $email = $_POST["Email"];
    $phoneNumber = $_POST["PhoneNumber"];
    $message = $_POST["message"];

    // Insert data into the database
    $query = "INSERT INTO feedback (Name, Email, phone_no, Message) VALUES
    ('$name', '$email', '$phoneNumber', '$message')";

    $result = mysqli_query($con, $query);

    if ($result) {
        echo "<script>windows.location='feedbackview.php'</script>";
    } else {
        echo "Error adding feedback: " .mysqli_error($con);
    }
}
?>
```

➤ Offers.php:

Offer	Name	Discount	Start Date	End Date
6	summer	30	2024-05-16	2024-05-22

➤ Code File:

```

<?php
$query = "SELECT * FROM offers"; // Adjust your query
$result = mysqli_query($con, $query);

if ($result) {
    while ($row = mysqli_fetch_array($result))
{
        echo "<tr>";
        echo "<td>" . $row[0] . "</td>";
        echo "<td>" . $row[1] . "</td>";
        echo "<td>" . $row[2] . "</td>";
        echo "<td>" . $row[3] . "</td>";
        echo "<td>" . $row[4] . "</td>";
        echo "</tr>";
    }
}
else {
    echo "Error fetching offers: " . mysqli_error($con);
}
?>

```

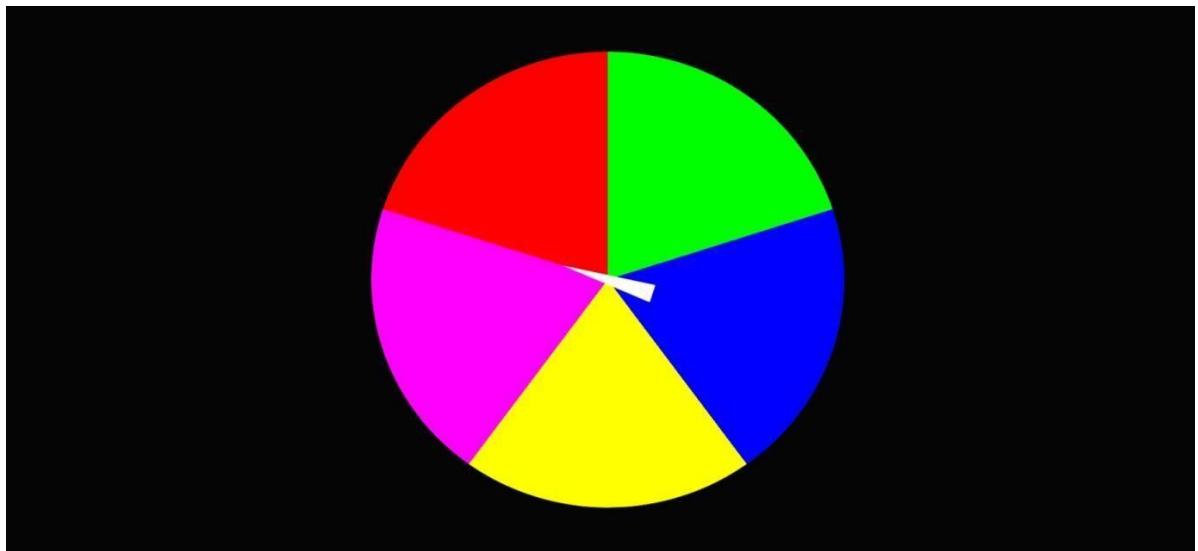
➤ Events.php:

Upcoming Events		
event_id	event_name	event_date
1	Kite festival	2024-01-14
2	Kite festival	2024-01-14

➤ Code File:

```
<?php
    $query = "SELECT * FROM event"; // Adjust your query
    $result = mysqli_query($con, $query);
    if ($result)
    {
        while ($row = mysqli_fetch_array($result))
        {
            echo "<tr>";
            echo "<td>" . $row[0] . "</td>";
            echo "<td>" . $row[1] . "</td>";
            echo "<td>" . $row[2] . "</td>";
            echo "</tr>";
        }
    }
    else {
        echo "Error fetching feedback: " . mysqli_error($con);
    }
?>
```

➤ Spinner.php:



➤ Code File:

```
<script>
    function spinWheel() {
        var spinner = document.querySelector('.spinner');
        var items = document.querySelectorAll('.item');
        var firecracker = document.getElementById('firecracker');
        var randomNumber = Math.floor(Math.random() * items.length);
        var degrees = 360 * 3 + (randomNumber * (360 / items.length));
        spinner.style.transform = 'rotate(' + degrees + 'deg)';
        setTimeout(function() {
            items.forEach(function(item) {
                item.style.display = 'none';
            });
            var winner = items[randomNumber].innerHTML;
            items[randomNumber].style.display = 'block';
            firecracker.style.display = 'block';
            setTimeout(function() {
                firecracker.style.display = 'none';
                alert('You claimed free : ' + winner);
            }, 1000); // Adjust the duration as needed
            }, 3000); // Adjust the duration as needed
    }
</script>
```

## 5.2 Testing Approach:

### ➤ Top – Down Approach:

- The top-down approach to software development is a systematic method that starts with creating a high-level design of the entire system and progressively breaking it down into smaller, more manageable components. This approach offers a structured framework for handling complex software projects. Initially, a high-level system design is established, defining the system's primary components, interactions, and data and control flow. The system is then decomposed into subsystems and further into smaller units, allowing developers to work on specific components simultaneously.
- Testing plays a critical role in this approach, with thorough testing and validation conducted at various stages, from unit testing to system testing. The iterative nature of the top-down approach allows for continuous refinement based on feedback and evolving requirements. Ultimately, the software is deployed once it meets the desired quality and functionality standards.
- While the top-down approach offers benefits like providing an early system overview and enabling parallel development, it also has challenges, including the need for accurate initial high-level design and potential delays if changes are required later in the development process. Striking a balance between planning and flexibility is key to its success.

### ➤ Bottom-Up Approach:

- Bottom-Up Approach is one in which the smaller problems are solved, and then these solved problems are integrated to find the solution to a bigger problem. Therefore, it uses composition approach.
- It requires a significant amount of communication among different modules. It is generally used with object-oriented programming paradigm such as C++, JAVA, and Python. Data encapsulation and data hiding is also implemented in this approach. The bottom-up approach is generally used in testing modules.

### ➤ Black Box Testing:

- Black box testing is a testing technique where the tester examines the software's functionality without any knowledge of its internal code, structure, or implementation details.
- Testers treat the software as a "black box," focusing solely on inputs, expected outputs, and the system's behavior.
- The primary goal is to validate that the software meets its specified requirements and functions correctly from the user's perspective.
- Test cases for black box testing are typically derived from the software's functional specifications, user stories, or use cases.
- Black box testing includes various methods such as functional testing, integration testing, system testing, and acceptance testing.

## ➤ White Box Testing:

- White box testing, also known as glass box or structural testing, is the opposite of black box testing. Testers have access to the internal code and design of the software being tested.
- Testers design test cases based on an understanding of the software's code, data structures, algorithms, and architecture.
- The primary goal is to ensure that the code is well-structured, adheres to coding standards, and that all code paths and branches are tested thoroughly.
- White box testing is useful for uncovering issues such as code vulnerabilities, logical errors, and performance bottlenecks.
- Techniques used in white box testing include code coverage analysis, control flow analysis, and data flow analysis.

## ➤ Grey Box Testing:

- Grey box testing is a hybrid approach that combines elements of both black box and white box testing.
- Testers have partial knowledge of the internal code and use this knowledge to design test cases that focus on specific code paths or areas of interest.
- Grey box testing is often used when a balance between the thoroughness of white box testing and the user-centric focus of black box testing is required.
- It can be particularly valuable for uncovering security vulnerabilities, integration issues, and complex interactions within a software system.
- Testers may use techniques like API testing, database testing, or code reviews to gain insight into the internal workings of the software.

## ➤ General Test Cases:

Sr No.	Test Case	Expected Result	Passed/Failed
1	Launch the spin wheel feature and spin it.	Users should be able to spin the wheel and receive a reward or message based on the outcome.	Passed
2	Add an event from the admin -side website.	The event details should be successfully added to the user's application.	Passed
3	Login into the application by giving valid Username and Password. Then logout from the	The Login page should be displayed and user should not be allowed to view the previous	Passed

	application. Then click on the Back button of the browser.	page.	
4	Browse through the available offers and select one to view details.	Users should be able to view the details of the selected offer.	Passed
5	Participate in a promotional event advertised on the website.	Users should be able to participate in the event as per the provided instructions.	Failed
6	Check whether the password field is stored in the database.	The password should be stored in the database.	Passed
7	Check the title of the internet explorer window.	The name should be meaningful and should reflect the action done in window.	Passed
8	Share an offer or event on social media platforms directly from the website.	The shared link should contain accurate information about the offer or event.	Failed
9	Receive a notification for upcoming events or new offers upon logging into the website.	Users should receive notifications about relevant events or offers upon logging in.	Failed
10	Check the size of buttons in all windows.	All the buttons should be of same size.	Passed
11	Check the size of pop up Screen.	All the popup screens should be of appropriate size according to the action it is doing.	Passed
12	Attempt to register for an event that has reached its maximum capacity.	Users should receive a notification indicating that the event is full and registration is closed.	Failed
13	Redeem a promotional code or discount during checkout of an event or offer.	Users should be able to successfully apply the code and see the discounted price, if applicable.	Failed

14	Check the placement of all the controls.	All controls should be properly placed.	Passed
15	Check the colour in all window.	The colour should be uniform.	Passed
16	Check the font and size of font in different pages.	The font and size of font should be same.	Passed
17	Explore the spin wheel, event, and offer functionalities across different devices and browsers.	The functionalities should work consistently and seamlessly across various devices and browsers.	Passed
18	Check for any accessibility issues with the spin wheel, events, and offers features.	The features should be accessible to users with disabilities, complying with accessibility standards.	Passed
19	Verify that users can easily find information about upcoming events and current offers on the website's homepage.	The homepage should prominently display information about events and offers.	Passed
20	Search Functionality	Users can search for desserts by name, category, or ingredients.	Failed
21	Filter Functionality	Users can filter desserts by dietary preferences (e.g., vegan, gluten-free), price range, and popularity.	Failed
22	Featured Desserts	Featured desserts are prominently displayed on the homepage or a dedicated section, enticing users to explore further.	Passed

23	Special Offers and Promotions	Users are informed about special offers, discounts, and promotions on selected desserts through banners or notifications.	Failed
24	Dessert Details Page	Each dessert has a dedicated details page providing information such as description, price.	Passed
25	Dessert Ratings and Reviews	Users can rate desserts and leave reviews, providing valuable feedback to other customers and the Dessert Delight team.	Passed
26	Feedback Submission	Users can submit feedback through a form on the website.	Passed
27	Feedback Management	Website administrators can access and manage submitted feedback.	Passed
28	FAQ Accessibility	The FAQs section is easily accessible from the website's main navigation menu or footer.	Passed
29	User Interaction	Users can rate the helpfulness of individual FAQs and submit new questions or suggestions.	Passed
30	Responsive Design	The FAQs section is responsive and displays properly on different devices and screen sizes.	Passed

# Chapter 6: Security and Measures

## CHAPTER 6: SYSTEM SECURITY AND MEASURES:

➤ Securing an e-commerce website like "Dessert Delight" involves implementing various measures to protect sensitive data, prevent unauthorized access, and ensure the integrity and confidentiality of transactions. Additionally, measuring the effectiveness of these security measures is crucial for ongoing improvement and maintenance of the website. Below are some key aspects of security and measurement for an e-commerce website implemented using PHP:

### 1. Data Encryption:

➤ Use encryption protocols (e.g., SSL/TLS) to secure data transmission between the website and users. This ensures that sensitive information, such as payment details, is encrypted and cannot be intercepted by malicious actors.

### 2. Regular Software Updates:

➤ Keep all software components, including the operating system, web server, e-commerce platform, and plug-ins, up to date with the latest security patches and updates.

### 3. User authentication:

➤ Enforce strong password policies and encourage multi-factor authentication (MFA) for user accounts to prevent unauthorized access.

### 4. Data Backup & Recovery:

➤ Implement automated data backup solutions to ensure data recovery in case of system failures, data corruption, or cyber attacks.

### 5. Session Management:

➤ Use secure session management techniques to prevent session hijacking and fixation.  
➤ Implement session timeouts and regenerate session IDs after successful authentication

### 6. Security Headers:

➤ Set appropriate security headers in HTTP responses to mitigate attacks like Cross-Site Scripting (XSS), Clickjacking, and MIME sniffing.

# Chapter 7: Future Scope and Enhancement

# CHAPTER 7: FUTURE SCOPE AND ENHANCEMENT

- **Interactive Features:**
  - Incorporate interactive elements such as sliders, carousels, and interactive galleries to showcase desserts and engage users.
- **Seasonal Offers and Specials:**
  - Create seasonal offers, discounts, and special offers to incentivize users to try new desserts and increase sales during peak seasons.
- **Improved Navigation:**
  - Streamline navigation by implementing clear menus and categories for different types of desserts. Users should be able to easily find what they are looking for.
- **Online Ordering System:**
  - Develop an integrated online ordering system that allows users to place orders directly through the website. Include features such as customizable orders, delivery options, and secure payment gateways.
- **Integration with Social Media:**
  - Allow users to share their favorite desserts on social media platforms. Also, integrate social media feeds to showcase user-generated content and engage with the community.
- **Performance Optimization:**
  - Optimize website performance by minimizing loading times, optimizing images, and reducing unnecessary scripts to provide a seamless user experience.
- **Customization Options:**
  - Enable customers to customize dessert boxes with their preferred dessert's, flavors, and packaging, creating a personalized and unique gift option.
- **Video Content:**
  - Incorporate video content such as recipe tutorials, behind-the-scenes footage, and chef interviews to make the website more engaging and dynamic.
- **Advanced Search and Filtering:**
  - Improve the search functionality with advanced filters, such as dietary preferences (e.g., vegan, gluten-free) and dessert types (e.g., gummies, chocolates).
- **AI Power Recommendations:**
  - Use artificial intelligence to analyze customer behavior and recommend products, increasing cross-selling and up selling opportunities.
- Foster customer loyalty ,and open up new revenue streams for the dessert delight's e-commerce business.

# Chapter 8:

# Conclusion and

# Limitations

## CHAPTER 8: CONCLUSION AND LIMITATIONS

In conclusion, the establishment and successful operation of the Dessert Delight represent a significant achievement in the pursuit of delivering delightful confectionery experiences to our valued customers. The project's objectives were met with dedication, creativity, and a customer-centric approach, resulting in the creation of a thriving Dessert Delight business.

Throughout the development and operation of the Dessert Delight, several key takeaways and accomplishments have emerged:

➤ **Online Presence:**

- The Dessert Delight's e-commerce website has provided a convenient and accessible platform for customers to explore, select, and purchase a wide range of Dessert products from the comfort of their homes.

➤ **Customer Satisfaction:**

- The emphasis on user-friendly design, personalized recommendations, and interactive features has contributed to heightened customer satisfaction and loyalty.

➤ **User Friendly:**

- User can order from our website wherever they are and can enjoy our delicious range of Desserts at their comfort zone.

➤ **Continuous Improvement:**

- A commitment to continuous improvement, responsive customer support, and proactive problem-solving have been central to the Dessert Delight's success.

## **Limitations:**

However, it is important to acknowledge the limitations encountered during the journey of establishing and operating the Dessert Delight:

➤ **Technical Challenges:**

- Technical issues, such as software compatibility and initial setup complexities, required additional time and effort to overcome.

➤ **Marketing Efforts:**

- The successful adoption of the website by customers relied on effective marketing and promotion efforts, which required ongoing strategies and investment.

➤ **External Factors:**

- External factors, such as market competition and changing consumer preferences, influenced the shop's growth trajectory and required adaptability.

➤ **Pay On Delivery:**

- Currently we are only providing pay on delivery option to the customers but in future we will also provide other payment modes also.

In Conclusion, the candy shop has established itself as a beloved destination for dessert enthusiasts, offering a wide array of sweet delights and an engaging online shopping experience. While challenges and limitations were encountered, the project's dedication to customer satisfaction and continuous improvement positions the Dessert Delight for continued success in the dynamic confectionery industry. With a clear understanding of its strengths, limitations, and the ever-evolving needs of its customer base, the Dessert Delight is well-prepared to navigate future opportunities and challenges, and to continue delighting customers with sweet indulgences.

# Chapter 9:

# Bibliography

## CHAPTER 9: BIBLOGRAPHY

➤ I have used this kind of references for making this document and project:

1. For making the website user friendly:

<https://getbootstrap.com/docs/5.0/getting-started/introduction/>

2. For making website easy understandable:

<https://www.w3schools.com/>

3. For finding design:

<https://htmlcodex.com/ice-cream-shop-website-template/>

4. For Diagram Creation:

<https://online.visual-paradigm.com/>

5. For Images:

<https://www.pinterest.com/>

6. For MySql Query:

<https://www.geeksforgeeks.org/>