Indian Institute Of Information Technology, Allahabad

DATABASE MANAGEMENT SYSTEM

Project Report

E-Commerce Website

Submitted By: GROUP 6

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Abstract:

Tease_Trendz, our e-commerce website, offers a versatile platform for customers to explore a diverse range of products, and make purchases conveniently. With a wide array of categories including furniture, clothing, stationary, electrical appliances, home appliances, kid's products, and more, users can easily find items suited to their preferences and needs.

The platform not only facilitates seamless browsing and purchasing but also incorporates a personalized touch by providing tailored product recommendations. We manage a customer database to monitor their orders and history,which will help provide better recommendations. By utilizing customer purchase history and preferences, the system intelligently recommends relevant items, improving the shopping experience and boosting customer satisfaction.

Additionally, we ensure a higher level of confidence for customers as only trusted brands are added, and this privilege is reserved for the administrator. With secure payment processing and efficient delivery services, we aim to provide a reliable and enjoyable online shopping experience for every customer.

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INTRODUCTION

PROBLEM STATEMENT:

As our world shifts more towards digital shopping, the traditional in-store retail experience is being replaced by online platforms at a rapid pace. There are many existing e-commerce websites for the same, but they lack to provide truly personalized shopping experiences for customers. Customers need to browse through different sections, to get all they require. For instance, if a customer wishes to purchase both a shirt and a pair of pants, they often have to navigate through separate sections, leading to complexity and consuming more time. Additionally, ensuring the reliability and authenticity of featured brands poses a challenge for both users and administrators. Additionally, customers face challenges in selecting reliable brands, which can result in a loss of trust on the website.

Given these challenges, there is a pressing need for an e-commerce platform that not only offers a diverse range of products but also incorporates advanced algorithms to analyze user behavior and provide personalized recommendations. Moreover, by implementing strict measures to carefully select and showcase only trusted brands, user trust and confidence in the platform will be strengthened. Thus, the problem statement revolves around developing a comprehensive e-commerce solution that addresses these challenges, offering a seamless and personalized shopping experience while ensuring the authenticity and reliability of featured brands.

PROJECT COMPONENT DESCRIPTION

Front End Development:

We provide a visually appealing and user-friendly interface for seamless browsing, where in customers can view products based on brands as well as categories. Users have the option to subscribe to our newsletter to receive the latest updates and exclusive offers.

Key Front-end features:

1. Provide a visually appealing website, adaptive to various screens to browse among variety of products.

2. Display of complete user profile, based on credentials submitted during registration.

3. Provide category wise and brand wise distinction for products.

4. Extend subscription options for accessing exclusive deals and staying informed with the latest updates.

5. Navigation bar for easy access to different sections of the application.

6. Providing personalised recommendations section.

7. Providing a shopping cart and wishlist to see selected products.

Technologies used: HTML, CSS, javascript.

Back End Development:

The primary focus of back-end development is management and updation of database. We maintain a comprehensive database storing customer's information, orders records, product details, brand data and other relevant information.

- Database Management: Setting up and managing databases (MySQL) to store customer information, product details, and order history.
- Admin Panel: Creating an interface for administrators to manage product listings, user accounts, and site settings.

- Server-side Scripting: Implemented in PHP to handle data retrieval, processing, and database interactions.
- Triggers: The trigger after_**user_info_insert** is set to execute automatically after every insertion operation on the user_info table. For each new row inserted into user_info, the trigger copies the values of the inserted row into another table named user_info_backup. This trigger essentially creates a backup of the user information whenever a new user record is added to the main user_info table. This backup table ensures that the historical data of user information is preserved, providing a safeguard against accidental data loss or modifications. It enhances data integrity and allows for easy restoration of user data if needed.

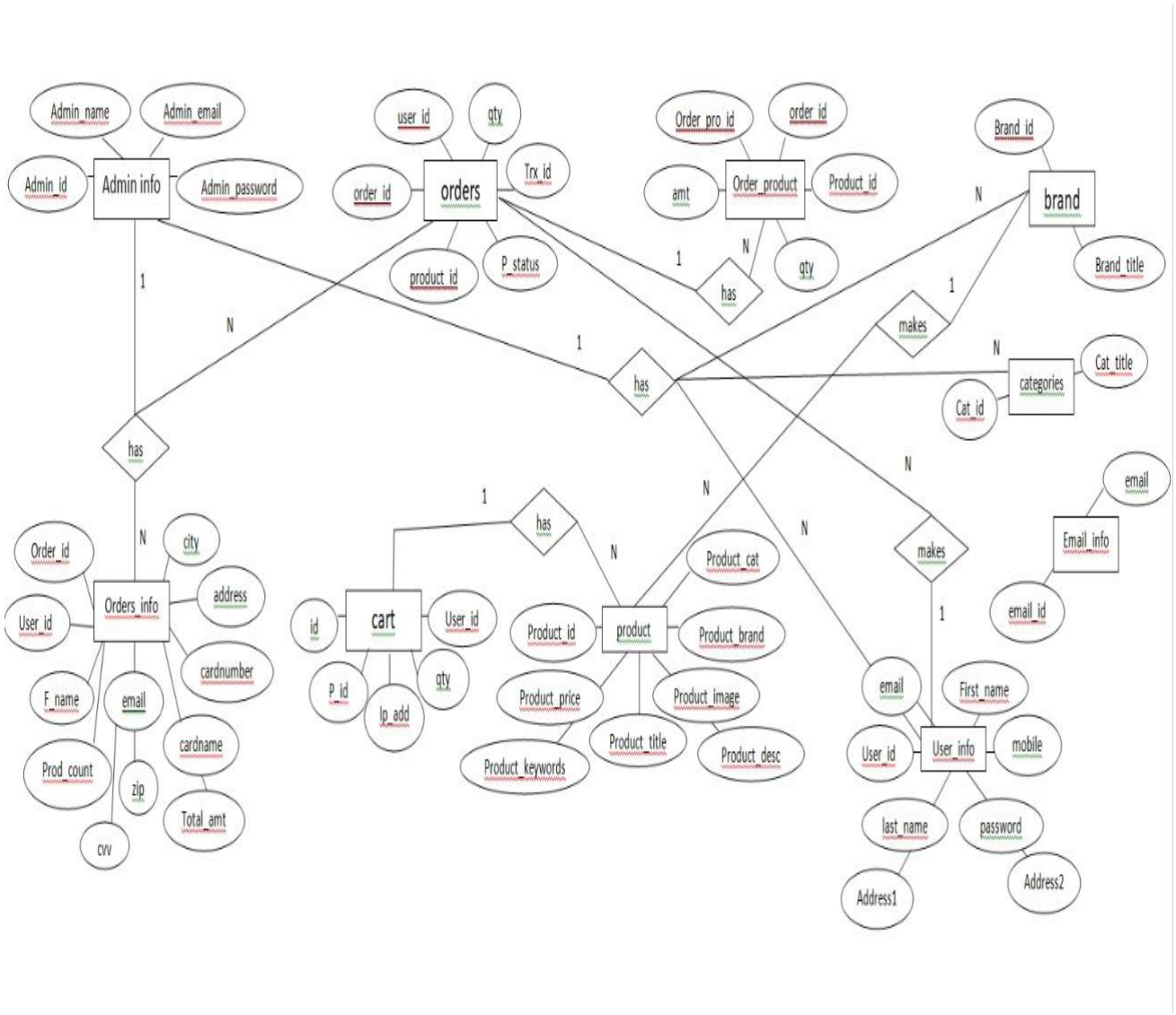
DATABASE DESIGN

ER DIAGRAM:

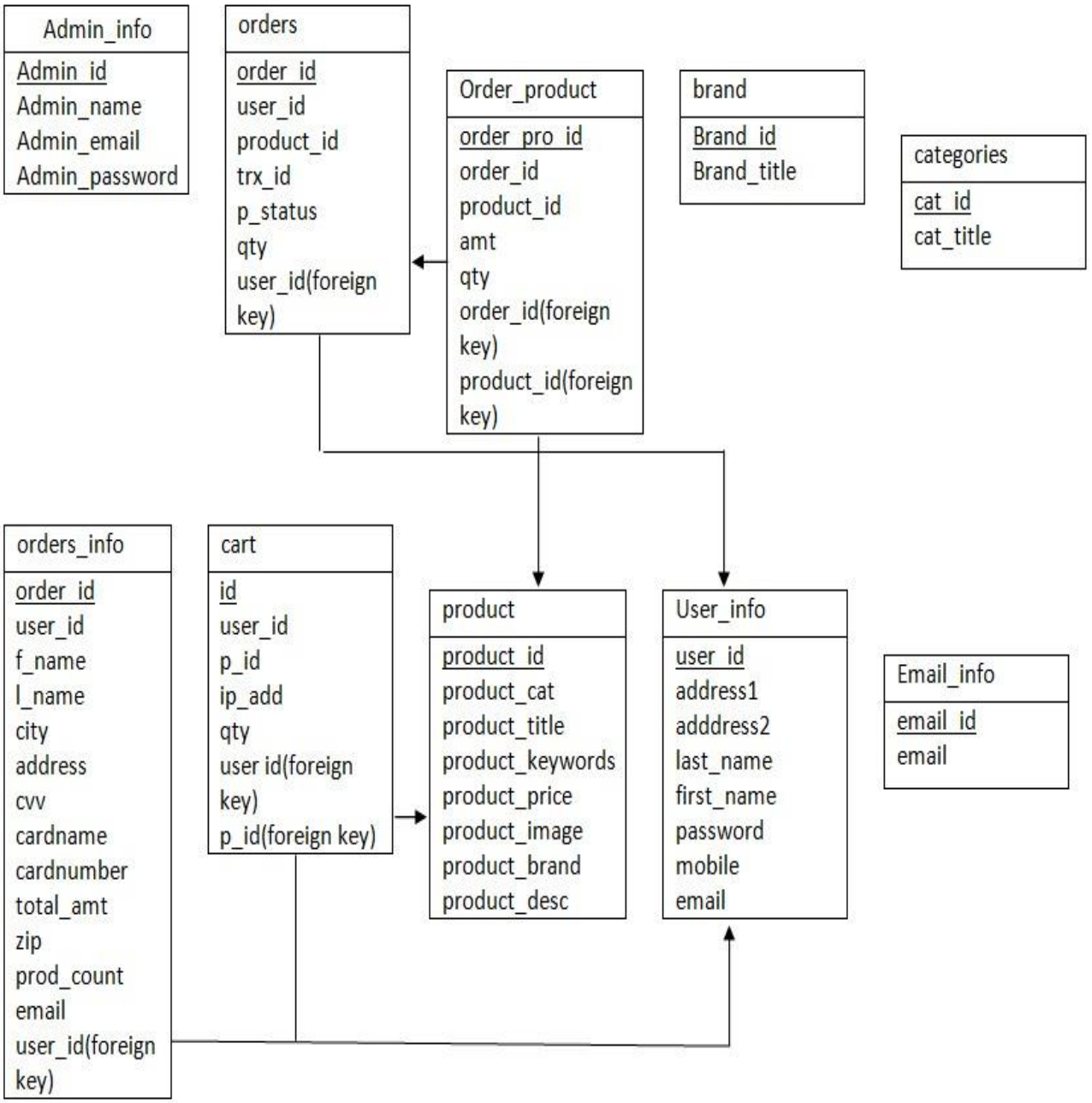
This ER diagram represents the model of an e-commerce website. The entity relationship diagram of this e-commerce website shows all the visual instruments of database tables and relationship between Admin_info, user_info, orders, Email_info,
product, order_product, order_info, brand, categories and cart. It used structured data and define relationship between structured data groups of shopping system functionalities. The Relations are adds, removes, views etc.

The Entities involved in the ER diagram are –

(1) Admin_info
(2) user_info
(3) orders
(4) order_product
(5) brand
(6) categories
(7) Email_info
(8) product
(9) cart
(10)orders_info


Admin_name
Admin_email
Admin_id
Admin info
Admin_password
user id
qty
order id
orders
Trx id
product id
P_status
Order_pro_id
order id
amt
Order_product
Product_id
qty
has
Brand_id
brand
Brand_title
makes
Cat_title
categories
Cat_id
has
has
Order_id
city
User_id
Orders info
address
cardnumber
F_name
email
cardname
Prod_count
zip
Total_amt
cvv
has
id
cart
User_id
P_id
Ip_add
qty
Product_id
product
Product_cat
Product_brand
Product_price
Product_image
Product_title
Product_keywords
Product_desc
makes
email
Email info
email_id
email
First_name
User_id
User_info
mobile
last_name
password
Address1
Address2
1
N

DATABASE SCHEMA:



CONSTRAINTS IN RELATION SCHEMA

1. admin_info:

- Primary Key: admin_id

2. brands:

- Primary Key: brand_id

3. cart:

- Primary Key: id
- Foreign Key: p_id references products(product_id)

4. categories:

- Primary Key: cat_id

5. email_info:

- Primary Key: email_id

6. orders:

- Primary Key: order_id
- Foreign Key: user_id references user_info(user_id)
- Foreign Key: product_id references products(product_id)

7. orders_info:

- Primary Key: order_id
- Foreign Key: user_id references user_info(user_id)

8. order_products:

- Primary Key: order_pro_id
- Foreign Key: order_id references orders(order_id)
- Foreign Key: product_id references products(product_id)

9. products:

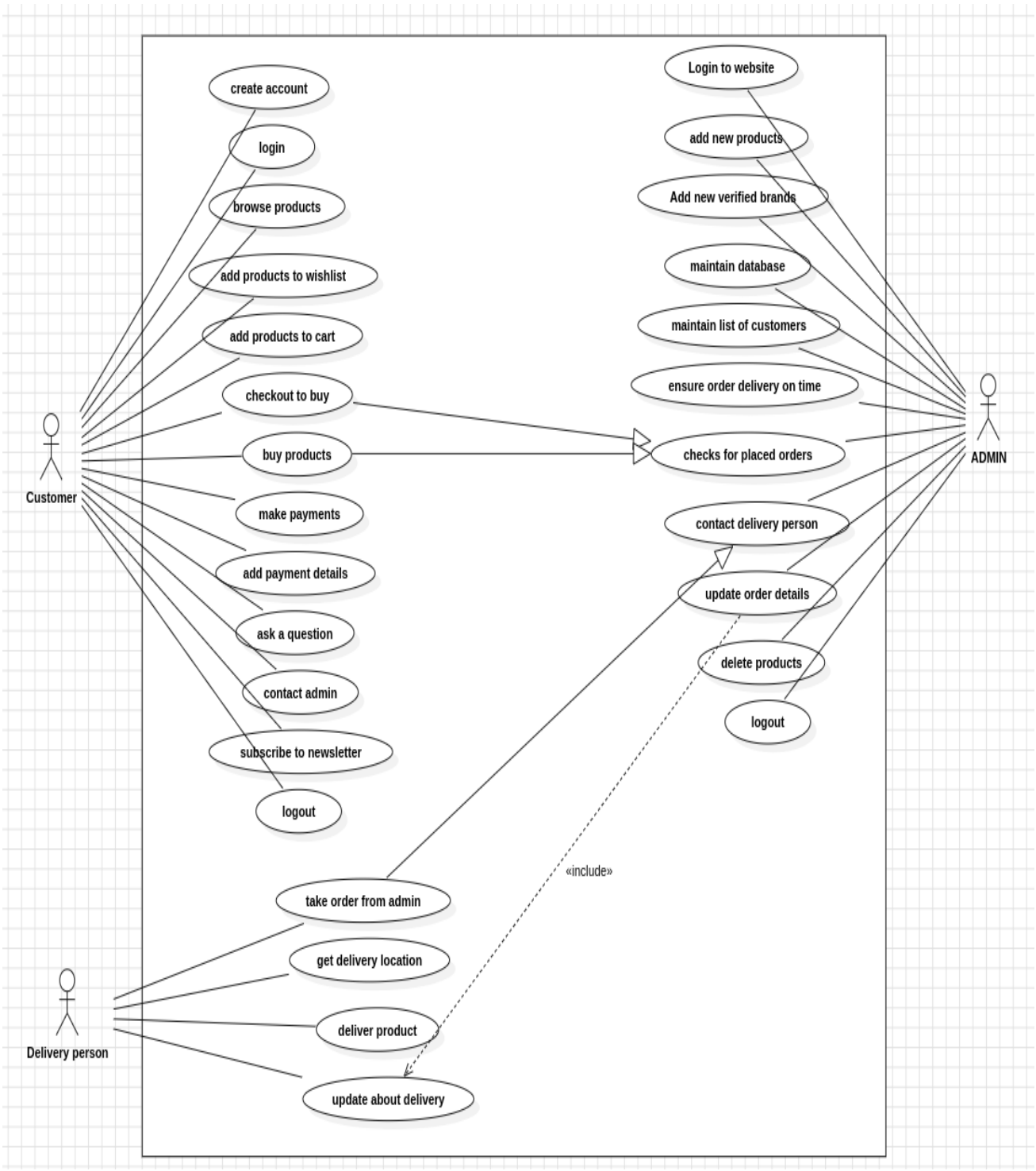
- Primary Key: product_id
- Foreign Key: product_cat references categories(cat_id)
- Foreign Key: product_brand references brands(brand_id)

10. user_info:

- Primary Key: user_id

These constraints ensure data integrity and enforce relationships between tables through primary and foreign keys.

USE CASE DIAGRAM



DATABASE TABLES:

TABLE DESCRIPTION:

1. Admin_info

S. no.	Attribute Name	Attribute Meaning	Attribute Value
1.	admin_id	Admin's id	INT
2.	admin_name	Admin's name	VARCHAR(100)
3.	admin_email	Admin's email	VARCHAR(300)
4.	admin_password	Admin's password	VARCHAR(300)

2. Brands

S. no.	Attribute Name	Attribute Meaning	Attribute Value
1.	Brand_id	Brand's id	INT
2.	Brand_title	Brand's name	VARCHAR(100)

3. Cart

S. no.	Attribute Name	Attribute Meaning	Attribute Value
1.	id	Cart id	INT(10)
2.	P_id	Product id	INT(10)
3.	Ip_add	Ip address to edit cart	VARCHAR(255)
4.	User_id	User's id	INT(10)
5.	qty	quantity	INT(10)

4. **Categories**

S. no.	Attribute Name	Attribute Meaning	Attribute Value
1.	Cat_id	Category id	INT
2.	Cat_title	Product Category	text

5. **Email_info**

S. no.	Attribute Name	Attribute Meaning	Attribute Value
1.	Email_id	Email id	INT
2.	Email	Email	Text

6. **Logs**

S. no.	Attribute Name	Attribute Meaning	Attribute Value
1.	id	Log id	INT
2.	User_id	User's id	VARCHAR(50)
3.	Action	Action performed	VARCHAR(50)
4.	Date	Date added	DATETIME

7. **Orders**

S. no.	Attribute Name	Attribute Meaning	Attribute Value
1.	order_id	Order's id	INT(11)
2.	User_id	User's id	INT(11)
3.	Product_id	Product's id	INT(11)
4.	Qty	Product quantity	INT(11)
5.	Trx_id	Transaction id	VARCHAR(255)
6.	P_status	Product status	VARCHAR(20)

8. **Orders_info**

S. no.	Attribute Name	Attribute Meaning	Attribute Value
1.	Order_id	Order's id	INT(10)
2.	User_id	User's id	INT(11)
3.	F_name	User's Full name	VARCHAR(255)

4.	Email	User’s email	VARCHAR(255)
5.	Address	User’s address	VARCHAR(255)
6.	City	User’s City	VARCHAR(255)
7.	State	User’s State	VARCHAR(255)
8.	Zip	User’s zip code	INT(10)
9.	Cardname	Payment Card Name	VARCHAR(255)
10.	Cardnumber	Number on card	VARCHAR(20)
11.	Expdate	Expiry of card	VARCHAR(255)
12.	Prod_count	Count of products	INT(15)
13.	Total_amt	Bill	INT(15)
14.	Cvv	CVV	INT(5)

9. **Order_products**

S. no.	**Attribute Name**	**Attribute Meaning**	**Attribute Value**
1.	Order_pro_id	Product order id	INT(10)
2.	Order_id	Order’s id	INT(11)
3.	Product_id	Product’s id	INT(11)
4.	qty	quantity	INT(15)
5.	Amt	Amount	INT(15)

10. **Products**

S. no.	**Attribute Name**	**Attribute Meaning**	**Attribute Value**
1.	Product_id	Product’s id	INT(100)
2.	Product_cat	Product’s Category	INT(100)
3.	Product_brand	Product’s brand	INT(100)
4.	Product_title	Product’s name	VARCHAR(255)
5.	Product_price	Product’s price	INT(100)
6.	Product_desc	Product’s description	Text
7.	Product_image	Product’s image	Text

8.	Product_keywords	Product related keywords	text

11. User_info

S. no.	Attribute Name	Attribute Meaning	Attribute Value
1.	user_id	User's id	INT(10)
2.	First_name	User's first name	VARCHAR(100)
3.	Last_name	User's last name	VARCHAR(100)
4.	Email	User's email	VARCHAR(300)
5.	Password	Password	VARCHAR(300)
6.	Mobile	Phone number	VARCHAR(10)
7.	Address1	Address line 1	VARCHAR(300)
8.	Address2	Address line 2	VARCHAR(11)

12. User_info_backup

S. no.	Attribute Name	Attribute Meaning	Attribute Value
1.	user_id	User's id	INT(10)
2.	First_name	User's first name	VARCHAR(100)
3.	Last_name	User's last name	VARCHAR(100)
4.	Email	User's email	VARCHAR(300)
5.	Password	Password	VARCHAR(300)
6.	Mobile	Phone number	VARCHAR(10)
7.	Address1	Address line 1	VARCHAR(300)
8.	Address2	Address line 2	VARCHAR(11)

EXPLAINATION:

1. **admin_info:**
   Stores information about administrators including their ID, name, email, and password.

2. **brands:**
   Contains data related to different brands such as brand ID and title.

3. **cart:**
   Records the items added to the shopping cart along with details like ID, product ID, IP address, user ID, and quantity.

4. **categories:**
   Holds information about product categories including category ID and title.

5. **email_info:**
   Stores email information like email ID and email address.

6. **logs:**
   Records user activity logs with details such as ID, user ID, action performed, and timestamp.

7. **orders:**
   Contains details about orders including order ID, user ID, product ID, quantity, transaction ID, and order status.

8. **orders_info:**
   Stores additional information related to orders such as user details, shipping address, and payment information.

9. **order_products:**
   Maps products to orders with details like order product ID, order ID, product ID, quantity, and amount.

10. **products:**
    Contains information about products including product ID, category ID, brand ID, title, price, description, image, and keywords.

11. **user_info:**
    Stores user information such as user ID, first name, last name, email, password, mobile number, and address.

12. **User_info_backup:**
    This table is used to show trigger functionality, i.e., user info data is stored in backup as well, in case of any data loss. This trigger essentially creates a backup of the user information whenever a new user record is added to the main user_info table.

FUNCTIONAL COMPONENTS

1. User Authentication System:

- This system ensures that only registered users can access certain features of the website, such as making purchases or accessing personalized content.
- It includes features like account creation, login, logout, password recovery, and account management.

2. Shopping cart:

- The shopping cart functionality allows users to collect items they wish to purchase while browsing the website.
- Users can view the contents of their cart, adjust quantities, and proceed to checkout when ready.

3.Wishlist Feature:

- The wishlist feature allows users to bookmark products they're interested in but not ready to purchase immediately.
- Users can save items to their wishlist for future reference or to track price changes or availability updates.

4. Newsletter Functionality:

- The newsletter functionality allows the website to send regular updates, promotions, and relevant content to subscribers via email.

5. Contact Us Functionality:

- The Contact Us page allows users to reach out to the website administrators or customer support team for inquiries, feedback, or assistance.
- It typically includes a form where users can input their name, email address, subject of inquiry, and message.

6. Product Management:

- The Admin Page provides tools for managing existing products, including editing, updating, or removing them from the catalog. Administrators can modify product details, adjust pricing, update inventory levels, or deactivate products that are no longer available or in stock.

7. Product Display:

- The system displays the products like home appliances, electronic gadgets and clothing .
- Users can view the available items and make informed choices based on their preferences.

8. Top-Rated Recommendations:

- The system generates recommendations based on user's buying history and frequency.
- Mostly brought three items having most probability to be brought next are displayed on the dashboard, helping users discover popular choices.

9. User Profile Management:

- Users can manage their profiles, update personal information, and change passwords as needed.
- Profile management features enhance user experience and ensure data accuracy.

CODE

MySQL code:

```
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";


--
-- Database: `ecommerce2`
--

DELIMITER $$
--
-- Procedures
--
CREATE DEFINER=`root`@`localhost` PROCEDURE `getcat` (IN `cid` INT)   SELECT * FROM
categories WHERE cat_id=cid$$

DELIMITER ;

-- --------------------------------------------------------


--
-- Table structure for table `admin_info`
--

CREATE TABLE `admin_info` (
  `admin_id` int(10) NOT NULL,
  `admin_name` varchar(100) NOT NULL,
  `admin_email` varchar(300) NOT NULL,
  `admin_password` varchar(300) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

--
-- Dumping data for table `admin_info`
--

INSERT INTO `admin_info` (`admin_id`, `admin_name`, `admin_email`,
`admin_password`) VALUES
(1, 'admin', 'admin@gmail.com', 'Aa@123456789'),
```

```
(100, 'abcd', 'abcd@gmail.com', 'abcd'),
(1000, 'abcde', 'abcde@gmail.com', 'AAAAaaaa1234');

-- --------------------------------------------------------

--
-- Table structure for table `brands`
--

CREATE TABLE `brands` (
  `brand_id` int(100) NOT NULL,
  `brand_title` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

--
-- Dumping data for table `brands`
--

INSERT INTO `brands` (`brand_id`, `brand_title`) VALUES
(1, 'Dell'),
(2, 'Samsung'),
(3, 'Apple'),
(4, 'motorolla'),
(5, 'Sony'),
(6, 'Cloth Brand');

-- --------------------------------------------------------

--
-- Table structure for table `cart`
--

CREATE TABLE `cart` (
  `id` int(10) NOT NULL,
  `p_id` int(10) NOT NULL,
  `ip_add` varchar(250) NOT NULL,
  `user_id` int(10) DEFAULT NULL,
  `qty` int(10) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

--
-- Dumping data for table `cart`
--
```

```
INSERT INTO `cart` (`id`, `p_id`, `ip_add`, `user_id`, `qty`) VALUES
(11, 45, '::1', 7, 1),
(44, 5, '::1', 3, 0),
(46, 2, '::1', 3, 0),
(48, 72, '::1', 3, 0),
(49, 60, '::1', 8, 1),
(6, 26, '::1', 4, 1),
(9, 10, '::1', 7, 1),
(10, 11, '::1', 7, 1),
(50, 61, '::1', 8, 1),
(166, 1, '::1', 26, 1),
(167, 10, '::1', 26, 1),
(52, 5, '::1', 9, 1),
(53, 2, '::1', 14, 1),
(54, 3, '::1', 14, 1),
(55, 5, '::1', 14, 1),
(57, 2, '::1', 9, 1),
(71, 61, '127.0.0.1', -1, 1),
(159, 2, '::1', 27, 1),
(165, 1, '::1', 30, 1),

-- --------------------------------------------------------

--
-- Table structure for table `categories`
--

CREATE TABLE `categories` (
  `cat_id` int(100) NOT NULL,
  `cat_title` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

--
-- Dumping data for table `categories`
--

INSERT INTO `categories` (`cat_id`, `cat_title`) VALUES
(1, 'Electronics'),
(2, 'Ladies Wears'),
(3, 'Mens Wear'),
(4, 'Kids Wear'),
(5, 'Furnitures'),
(6, 'Home Appliances'),
(7, 'Electronics Gadgets');
```

```
-- --------------------------------------------------------

--
-- Table structure for table `email_info`
--

CREATE TABLE `email_info` (
  `email_id` int(100) NOT NULL,
  `email` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

--
-- Dumping data for table `email_info`
--

INSERT INTO `email_info` (`email_id`, `email`) VALUES
(3, 'admin@gmail.com'),
(4, 'tanihabhutani@gmail.com');

-- --------------------------------------------------------

--
-- Table structure for table `logs`
--

CREATE TABLE `logs` (
  `id` int(11) NOT NULL,
  `user_id` varchar(50) NOT NULL,
  `action` varchar(50) NOT NULL,
  `date` datetime NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

-- --------------------------------------------------------

--
-- Table structure for table `orders`
--

CREATE TABLE `orders` (
  `order_id` int(11) NOT NULL,
  `user_id` int(11) NOT NULL,
  `product_id` int(11) NOT NULL,
  `qty` int(11) NOT NULL,
```

```
  `trx_id` varchar(255) NOT NULL,
  `p_status` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

--
-- Dumping data for table `orders`
--

INSERT INTO `orders` (`order_id`, `user_id`, `product_id`, `qty`, `trx_id`, `p_status`)
VALUES
(2, 14, 2, 1, '76V7868UHGDUI', 'Completed');

-- --------------------------------------------------------

--
-- Table structure for table `orders_info`
--

CREATE TABLE `orders_info` (
  `order_id` int(10) NOT NULL,
  `user_id` int(11) NOT NULL,
  `f_name` varchar(255) NOT NULL,
  `email` varchar(255) NOT NULL,
  `address` varchar(255) NOT NULL,
  `city` varchar(255) NOT NULL,
  `state` varchar(255) NOT NULL,
  `zip` int(10) NOT NULL,
  `cardname` varchar(255) NOT NULL,
  `cardnumber` varchar(20) NOT NULL,
  `expdate` varchar(255) NOT NULL,
  `prod_count` int(15) DEFAULT NULL,
  `total_amt` int(15) DEFAULT NULL,
  `cvv` int(5) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

--
-- Dumping data for table `orders_info`
--

INSERT INTO `orders_info` (`order_id`, `user_id`, `f_name`, `email`, `address`, `city`,
`state`, `zip`, `cardname`, `cardnumber`, `expdate`, `prod_count`, `total_amt`, `cvv`)
VALUES
(2, 27, 'rishika ag', 'agarwalrishika1708@gmail.com', 'asd', 'ghj', 'aa', 555555, 'rishika ag',
'1234567812341234', '12/24', 3, 1160, 123),
```

```
(3, 27, 'rishika ag', 'agarwalrishika1708@gmail.com', 'asd', 'ghj', 'up', 110016, 'rishika ag',
'5555 5555 5555 5555', '12/24', 3, 1309, 123),
(4, 26, 'Taniha Bhutani', 'tanihabhutani@gmail.com', 'xyz', 'allahabad', 'up', 210015,
'taniha bhutani', '6666666666666666', '12/28', 2, 35000, 555),
(5, 26, 'Taniha Bhutani', 'tanihabhutani@gmail.com', 'xyz', 'allahabad', 'up', 210015,
'taniha bhutani', '7777777777777777', '12/26', 2, 365, 345);

-- --------------------------------------------------------

--
-- Table structure for table `order_products`
--

CREATE TABLE `order_products` (
  `order_pro_id` int(10) NOT NULL,
  `order_id` int(11) NOT NULL,
  `product_id` int(11) NOT NULL,
  `qty` int(15) DEFAULT NULL,
  `amt` int(15) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

--
-- Dumping data for table `order_products`
--

INSERT INTO `order_products` (`order_pro_id`, `order_id`, `product_id`, `qty`, `amt`)
VALUES
(73, 1, 1, 1, 5000),
(74, 1, 4, 2, 64000),
(93, 2, 63, 1, 550),
(94, 3, 63, 1, 550),
(95, 3, 63, 1, 460),
(96, 3, 50, 1, 299),
(97, 4, 1, 1, 5000),
(98, 4, 3, 1, 30000),
(75, 1, 8, 1, 40000),
(91, 2, 50, 1, 150),
(92, 2, 63, 1, 460),
(99, 5, 50, 1, 150),
(100, 5, 50, 1, 215);

-- --------------------------------------------------------

--
```

```
-- Table structure for table `products`
--

CREATE TABLE `products` (
  `product_id` int(100) NOT NULL,
  `product_cat` int(100) NOT NULL,
  `product_brand` int(100) NOT NULL,
  `product_title` varchar(255) NOT NULL,
  `product_price` int(100) NOT NULL,
  `product_desc` text NOT NULL,
  `product_image` text NOT NULL,
  `product_keywords` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

--
-- Dumping data for table `products`
--

INSERT INTO `products` (`product_id`, `product_cat`, `product_brand`, `product_title`,
`product_price`, `product_desc`, `product_image`, `product_keywords`) VALUES
(1, 1, 2, 'Samsung galaxy s7 edge', 5000, 'Samsung galaxy s7 edge', 'product07.png',
'samsung mobile electronics'),
(58, 3, 6, 'boys shirts', 350, 'shirts', 'pm9.JPG', 'suit boys shirts'),
(59, 3, 6, 'boys shirts', 855, 'shirts', 'a2.JPG', 'suit boys shirts'),
(60, 3, 6, 'boys shirts', 150, 'shirts', 'pm11.JPG', 'suit boys shirts'),
(61, 3, 6, 'boys shirts', 215, 'shirts', 'pm12.JPG', 'suit boys shirts'),
(62, 3, 6, 'boys shirts', 299, 'shirts', 'pm13.JPG', 'suit boys shirts'),
(63, 3, 6, 'boys Jeans Pant', 550, 'Pants', 'pt1.JPG', 'boys Jeans Pant'),
(64, 3, 6, 'boys Jeans Pant', 460, 'pants', 'pt2.JPG', 'boys Jeans Pant'),
(65, 3, 6, 'boys Jeans Pant', 470, 'pants', 'pt3.JPG', 'boys Jeans Pant'),
(66, 3, 6, 'boys Jeans Pant', 480, 'pants', 'pt4.JPG', 'boys Jeans Pant'),
(20, 3, 6, 'Mens Sweeter', 1600, 'jg', 'Winter-fashion-men-burst-sweater.png', 'sweeter
gents '),
(21, 3, 6, 'T shirt', 800, 'ssds', 'IN-Mens-Apparel-Voodoo-Tiles-09._V333872612_.jpg',
'formal t shirt black'),
(22, 4, 6, 'Yellow T shirt ', 1300, 'yello t shirt with pant', '1.0x0.jpg', 'kids yellow t shirt'),
(2, 1, 3, 'iPhone 5s', 25000, 'iphone 5s', 'http___pluspng.com_img-png_iphone-hd-png-
iphone-apple-png-file-550.png', 'mobile iphone apple'),
(3, 1, 3, 'iPad air 2', 30000, 'ipad apple brand',
'da4371ffa192a115f922b1c0dff88193.png', 'apple ipad tablet'),
(4, 1, 3, 'iPhone 6s', 32000, 'Apple iPhone ', 'http___pluspng.com_img-png_iphone-6s-
png-iphone-6s-gold-64gb-1000.png', 'iphone apple mobile'),
(5, 1, 2, 'iPad 2', 10000, 'samsung ipad', 'iPad-air.png', 'ipad tablet samsung'),
```

(6, 1, 1, 'samsung Laptop r series', 35000, 'samsung Black combination Laptop', 'laptop_PNG5939.png', 'samsung laptop '),
(7, 1, 1, 'Laptop Pavillion', 50000, 'Laptop Hp Pavillion', 'laptop_PNG5930.png', 'Laptop Hp Pavillion'),
(8, 1, 4, 'Sony', 40000, 'Sony Mobile', '530201353846AM_635_sony_xperia_z.png', 'sony mobile'),
(9, 1, 3, 'iPhone New', 12000, 'iphone', 'iphone-hd-png-iphone-apple-png-file-550.png', 'iphone apple mobile'),
(10, 2, 6, 'Red Ladies dress', 1000, 'red dress for girls', 'red dress.jpg', 'red dress '),
(11, 2, 6, 'Blue Heave dress', 1200, 'Blue dress', 'images.jpg', 'blue dress cloths'),
(12, 2, 6, 'Ladies Casual Cloths', 1500, 'ladies casual summer two colors pleted', '7475-ladies-casual-dresses-summer-two-colors-pleated.jpg', 'girl dress cloths casual'),
(13, 2, 6, 'SpringAutumnDress', 1200, 'girls dress', 'Spring-Autumn-Winter-Young-Ladies-Casual-Wool-Dress-Women-s-One-Piece-Dresse-Dating-Clothes-Medium.jpg_640x640.jpg', 'girl dress'),
(14, 2, 6, 'Casual Dress', 1400, 'girl dress', 'download.jpg', 'ladies cloths girl'),
(15, 2, 6, 'Formal Look', 1500, 'girl dress', 'shutterstock_203611819.jpg', 'ladies wears dress girl'),
(16, 3, 6, 'Sweter for men', 600, '2012-Winter-Sweater-for-Men-for-better-outlook', '2012-Winter-Sweater-for-Men-for-better-outlook.jpg', 'black sweter cloth winter'),
(17, 3, 6, 'Gents formal', 1000, 'gents formal look', 'gents-formal-250x250.jpg', 'gents wear cloths'),
(19, 3, 6, 'Formal Coat', 3000, 'ad', 'images (1).jpg', 'coat blazer gents'),
(23, 4, 6, 'Girls cloths', 1900, 'sadsf', 'GirlsClothing_Widgets.jpg', 'formal kids wear dress'),
(24, 4, 6, 'Blue T shirt', 700, 'g', 'images.jpg', 'kids dress'),
(25, 4, 6, 'Yellow girls dress', 750, 'as', 'images (3).jpg', 'yellow kids dress'),
(27, 4, 6, 'Formal look', 690, 'sd', 'image28.jpg', 'formal kids dress'),
(32, 5, 0, 'Book Shelf', 2500, 'book shelf', 'furniture-book-shelf-250x250.jpg', 'book shelf furniture'),
(33, 6, 2, 'Refrigerator', 35000, 'Refrigerator', 'CT_WM_BTS-BTC-AppliancesHome_20150723.jpg', 'refrigerator samsung'),
(34, 6, 4, 'Emergency Light', 1000, 'Emergency Light', 'emergency light.JPG', 'emergency light'),
(35, 6, 0, 'Vaccum Cleaner', 6000, 'Vaccum Cleaner', 'images (2).jpg', 'Vaccum Cleaner'),
(36, 6, 5, 'Iron', 1500, 'gj', 'iron.JPG', 'iron'),
(37, 6, 5, 'LED TV', 20000, 'LED TV', 'images (4).jpg', 'led tv lg'),
(38, 6, 4, 'Microwave Oven', 3500, 'Microwave Oven', 'images.jpg', 'Microwave Oven'),
(39, 6, 5, 'Mixer Grinder', 2500, 'Mixer Grinder', 'singer-mixer-grinder-mg-46-medium_4bfa018096c25dec7ba0af40662856ef.jpg', 'Mixer Grinder'),
(40, 2, 6, 'Formal girls dress', 3000, 'Formal girls dress', 'girl-walking.jpg', 'ladies'),
(45, 1, 2, 'Samsung Galaxy Note 3', 10000, '0', 'samsung_galaxy_note3_note3neo.JPG', 'samsung galaxy Note 3 neo'),

```
(46, 1, 2, 'Samsung Galaxy Note 3', 10000, '', 'samsung_galaxy_note3_note3neo.JPG',
'samsung galxaxy note 3 neo'),
(47, 4, 6, 'Laptop', 650, 'nbk', 'product01.png', 'Dell Laptop'),
(48, 1, 7, 'Headphones', 250, 'Headphones', 'product05.png', 'Headphones Sony'),
(49, 1, 7, 'Headphones', 250, 'Headphones', 'product05.png', 'Headphones Sony'),
(50, 3, 6, 'boys shirts', 350, 'shirts', 'pm1.JPG', 'suit boys shirts'),
(51, 3, 6, 'boys shirts', 270, 'shirts', 'pm2.JPG', 'suit boys shirts'),
(52, 3, 6, 'boys shirts', 453, 'shirts', 'pm3.JPG', 'suit boys shirts'),
(53, 3, 6, 'boys shirts', 220, 'shirts', 'ms1.JPG', 'suit boys shirts'),
(54, 3, 6, 'boys shirts', 290, 'shirts', 'ms2.JPG', 'suit boys shirts'),
(55, 3, 6, 'boys shirts', 259, 'shirts', 'ms3.JPG', 'suit boys shirts'),
(56, 3, 6, 'boys shirts', 299, 'shirts', 'pm7.JPG', 'suit boys shirts'),
(57, 3, 6, 'boys shirts', 260, 'shirts', 'i3.JPG', 'suit boys shirts'),
(67, 3, 6, 'boys Jeans Pant', 360, 'pants', 'pt5.JPG', 'boys Jeans Pant'),
(68, 3, 6, 'boys Jeans Pant', 550, 'pants', 'pt6.JPG', 'boys Jeans Pant'),
(69, 3, 6, 'boys Jeans Pant', 390, 'pants', 'pt7.JPG', 'boys Jeans Pant'),
(70, 3, 6, 'boys Jeans Pant', 399, 'pants', 'pt8.JPG', 'boys Jeans Pant'),
(71, 1, 2, 'Samsung galaxy s7', 5000, 'Samsung galaxy s7', 'product07.png', 'samsung
mobile electronics'),
(72, 7, 2, 'sony Headphones', 3500, 'sony Headphones', 'product02.png', 'sony
Headphones electronics gadgets'),
(73, 7, 2, 'samsung Headphones', 3500, 'samsung Headphones', 'product05.png',
'samsung Headphones electronics gadgets'),
(74, 1, 1, 'HP i5 laptop', 5500, 'HP i5 laptop', 'product01.png', 'HP i5 laptop electronics'),
(75, 1, 1, 'HP i7 laptop 8gb ram', 5500, 'HP i7 laptop 8gb ram', 'product03.png', 'HP i7
laptop 8gb ram electronics'),
(76, 1, 5, 'sony note 6gb ram', 4500, 'sony note 6gb ram', 'product04.png', 'sony note 6gb
ram mobile electronics'),
(77, 1, 4, 'MSV laptop 16gb ram NVIDEA Graphics', 5499, 'MSV laptop 16gb ram',
'product06.png', 'MSV laptop 16gb ram NVIDEA Graphics electronics'),
(78, 1, 5, 'dell laptop 8gb ram intel integerated Graphics', 4579, 'dell laptop 8gb ram intel
integerated Graphics', 'product08.png', 'dell laptop 8gb ram intel integerated Graphics
electronics'),
(79, 7, 2, 'camera with 3D pixels', 2569, 'camera with 3D pixels', 'product09.png', 'camera
with 3D pixels camera electronics gadgets'),
(80, 1, 1, 'ytrfdkjsd', 12343, 'sdfhgh', '1542455446_thythtf .jpeg', 'dfgh'),
(81, 4, 6, 'Kids blue dress', 300, 'blue dress', '1543993724_pg4.jpg', 'kids blue dress');

-- --------------------------------------------------------

--
-- Table structure for table `user_info`
--
```

```
CREATE TABLE `user_info` (
  `user_id` int(10) NOT NULL,
  `first_name` varchar(100) NOT NULL,
  `last_name` varchar(100) NOT NULL,
  `email` varchar(300) NOT NULL,
  `password` varchar(300) NOT NULL,
  `mobile` varchar(10) NOT NULL,
  `address1` varchar(300) NOT NULL,
  `address2` varchar(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

--
-- Dumping data for table `user_info`
--

INSERT INTO `user_info` (`user_id`, `first_name`, `last_name`, `email`, `password`,
`mobile`, `address1`, `address2`) VALUES
(25, 'otheruser', 'user', 'otheruser@gmail.com', 'puneeth@123', '9535688928',
'Bangalore', 'Kumbalagodu'),
(26, 'Taniha', 'Bhutani', 'tanihabhutani@gmail.com', 'abcd@1234', '4561237892', 'xyz',
'allahabad'),
(27, 'rishika', 'ag', 'agarwalrishika1708@gmail.com', 'qwert@1234!', '9877654321', 'asd',
'ghj'),
(29, 'abcde', 'ab', 'abcde@gmail.com', 'AAAAaaaa1234', '8888888888', 'd', 'd'),
(24, 'newuser', 'user', 'newuser@gmail.com', 'puneeth@123', '9535688928', 'Bangalore',
'Kumbalagodu'),
(30, 'xyz', 'abc', 'xyz@gmail.com', 'BBBBbbbb1234', '1111111111', 'allahabad',
'prayagraj');

--
-- Triggers `user_info`
--
DELIMITER $$
CREATE TRIGGER `after_user_info_insert` AFTER INSERT ON `user_info` FOR EACH ROW
BEGIN
INSERT INTO user_info_backup
VALUES(new.user_id,new.first_name,new.last_name,new.email,new.password,new.mobi
le,new.address1,new.address2);
END
$$
DELIMITER ;

-- --------------------------------------------------------
```

```
--
-- Table structure for table `user_info_backup`
--

CREATE TABLE `user_info_backup` (
  `user_id` int(10) NOT NULL,
  `first_name` varchar(100) NOT NULL,
  `last_name` varchar(100) NOT NULL,
  `email` varchar(300) NOT NULL,
  `password` varchar(300) NOT NULL,
  `mobile` varchar(10) NOT NULL,
  `address1` varchar(300) NOT NULL,
  `address2` varchar(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;

--
-- Dumping data for table `user_info_backup`
--

INSERT INTO `user_info_backup` (`user_id`, `first_name`, `last_name`, `email`,
`password`, `mobile`, `address1`, `address2`) VALUES
(25, 'otheruser', 'user', 'otheruser@gmail.com', 'puneeth@123', '9535688928',
'Bangalore', 'Kumbalagodu'),
(26, 'Taniha', 'Bhutani', 'tanihabhutani@gmail.com', 'abcd@1234', '4561237892', 'xyz',
'allahabad'),
(27, 'rishika', 'ag', 'agarwalrishika1708@gmail.com', 'qwert@1234!', '9877654321', 'asd',
'ghj'),
(29, 'abcde', 'ab', 'abcde@gmail.com', 'AAAAaaaa1234', '8888888888', 'd', 'd'),
(24, 'newuser', 'user', 'newuser@gmail.com', 'puneeth@123', '9535688928', 'Bangalore',
'Kumbalagodu'),
(30, 'xyz', 'abc', 'xyz@gmail.com', 'BBBBbbbb1234', '1111111111', 'allahabad',
'prayagraj');



--
-- Indexes for dumped tables
--

--
-- Indexes for table `admin_info`
--
ALTER TABLE `admin_info`
  ADD PRIMARY KEY (`admin_id`);
```

```
--
-- Indexes for table `brands`
--
ALTER TABLE `brands`
  ADD PRIMARY KEY (`brand_id`);

--
-- Indexes for table `cart`
--
ALTER TABLE `cart`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `categories`
--
ALTER TABLE `categories`
  ADD PRIMARY KEY (`cat_id`);

--
-- Indexes for table `email_info`
--
ALTER TABLE `email_info`
  ADD PRIMARY KEY (`email_id`);

--
-- Indexes for table `logs`
--
ALTER TABLE `logs`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `orders`
--
ALTER TABLE `orders`
  ADD PRIMARY KEY (`order_id`);

--
-- Indexes for table `orders_info`
--
ALTER TABLE `orders_info`
  ADD PRIMARY KEY (`order_id`),
  ADD KEY `user_id` (`user_id`);

--
```

```
-- Indexes for table `order_products`
--
ALTER TABLE `order_products`
  ADD PRIMARY KEY (`order_pro_id`),
  ADD KEY `order_products` (`order_id`),
  ADD KEY `product_id` (`product_id`);

--
-- Indexes for table `products`
--
ALTER TABLE `products`
  ADD PRIMARY KEY (`product_id`);

--
-- Indexes for table `user_info`
--
ALTER TABLE `user_info`
  ADD PRIMARY KEY (`user_id`);

--
-- Indexes for table `user_info_backup`
--
ALTER TABLE `user_info_backup`
  ADD PRIMARY KEY (`user_id`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `admin_info`
--
ALTER TABLE `admin_info`
  MODIFY `admin_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=1001;

--
-- AUTO_INCREMENT for table `brands`
--
ALTER TABLE `brands`
  MODIFY `brand_id` int(100) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;

--
-- AUTO_INCREMENT for table `cart`
--
```

```
ALTER TABLE `cart`
  MODIFY `id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=168;

--
-- AUTO_INCREMENT for table `categories`
--
ALTER TABLE `categories`
  MODIFY `cat_id` int(100) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=8;

--
-- AUTO_INCREMENT for table `email_info`
--
ALTER TABLE `email_info`
  MODIFY `email_id` int(100) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;

--
-- AUTO_INCREMENT for table `logs`
--
ALTER TABLE `logs`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT;

--
-- AUTO_INCREMENT for table `orders`
--
ALTER TABLE `orders`
  MODIFY `order_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;

--
-- AUTO_INCREMENT for table `orders_info`
--
ALTER TABLE `orders_info`
  MODIFY `order_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=16;

--
-- AUTO_INCREMENT for table `order_products`
--
ALTER TABLE `order_products`
  MODIFY `order_pro_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=101;

--
-- AUTO_INCREMENT for table `products`
--
ALTER TABLE `products`
  MODIFY `product_id` int(100) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=82;
```

```
--
-- AUTO_INCREMENT for table `user_info`
--
ALTER TABLE `user_info`
  MODIFY `user_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=31;

--
-- AUTO_INCREMENT for table `user_info_backup`
--
ALTER TABLE `user_info_backup`
  MODIFY `user_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=31;

--
-- Constraints for dumped tables
--


--
-- Constraints for table `orders_info`
--
ALTER TABLE `orders_info`
  ADD CONSTRAINT `user_id` FOREIGN KEY (`user_id`) REFERENCES `user_info`
(`user_id`);

--
-- Constraints for table `order_products`
--
ALTER TABLE `order_products`
  ADD CONSTRAINT `order_products` FOREIGN KEY (`order_id`) REFERENCES
`orders_info` (`order_id`) ON DELETE NO ACTION ON UPDATE CASCADE,
  ADD CONSTRAINT `product_id` FOREIGN KEY (`product_id`) REFERENCES `products`
(`product_id`);
COMMIT;
```

CONCLUSION

In conclusion, the development of this project has resulted in the creation of a robust and functional website tailored to meet the needs of both users and administrators. With comprehensive features such as user authentication, product management, order processing, and interactive elements like reviews and wishlists, the website offers a seamless and enjoyable shopping experience.

By leveraging modern technologies and best practices in web development, the website ensures scalability, security, and performance. Through meticulous database design and implementation, data integrity and reliability are maintained across various aspects of the system, from user profiles to order fulfillment.this project has led to the creation of a strong and practical website that meets the needs of users and administrators alike.

Further, we can update and enhance website in future to make sure users have a great experience. We'll also address any new needs or challenges that come up and stay competitive in the ever-changing e-commerce world.