

DATABASE AND MANAGEMENT SYSTEM (ICCSC09) PROJECT WORK

E-COMMERCE WEBSITE WITH POS INTEGRATION

SUBMITTED TO: MR ANAND GUPTA ICE-1

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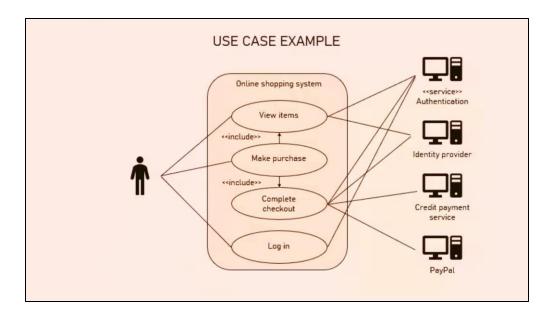
PROBLEM STATEMENT

- An e-commerce website for a small or local business is required to manage inventory and streamline all the orders and user info. It also serves as a competition to major e-commerce websites like amazon, flipkart, etc. The website is maintained by two admins who have access to all the user info, user info backup and the entire product inventory available on the website.
- Products of different brands are divided into categories on the basis of their usage and type, for eg, electronics, clothing, etc. Each brand is identified by their brand id and brand title. Every product has various different attributes like product id, product category, product brand, product price, etc.
- Firstly, a user registers himself on the website with his user id, password, name, mobile and address. The user places orders which are distinguished or recognised by their unique order id and contains various other info such as user id of the person who placed the order, product id of the item ordered, quantity of the product ordered, transaction id of the payment method and the status of the order (confirmed, processed, shipped, out for delivery or delivered).
- The first process of placing a order is adding items or products to the
 cart by the user. Each cart has a unique cart id and contains other
 parameters such as product id, ip address of the user that was used to
 create the cart, user id and quantity of the products added. It may be
 possible that a user doesn't have a cart and is just on the website for
 window shopping.
- Whenever a user performs an operation on the site or clicks anywhere, it is recorded in the logs. Logs contain user id, action performed by the user, and the exact date and time the operation was performed.
- This is the basic framework of our website.



REQUIREMENTANALYSIS

- User-Friendly Interface: The website must have a user-friendly interface that is easy to navigate and understand for users.
- Product Catalogue: The website should have a well-organized product catalogue that allows users to browse through the different products on offer. Products should be grouped according to categories for easy navigation.
- Payment Gateway: The website must have a secure payment gateway that supports multiple payment methods, including credit/debit cards, net banking, and mobile wallets.
- Shopping Cart: The website should have a shopping cart feature that allows users to add multiple items to their cart and checkout when they are ready.
- Order Management: The website should have an order management system that allows the business owner to track orders, manage inventory, and update the status of orders.
- Shipping and Delivery: The website should have a shipping and delivery management system that allows the business owner to track orders and manage delivery schedules.



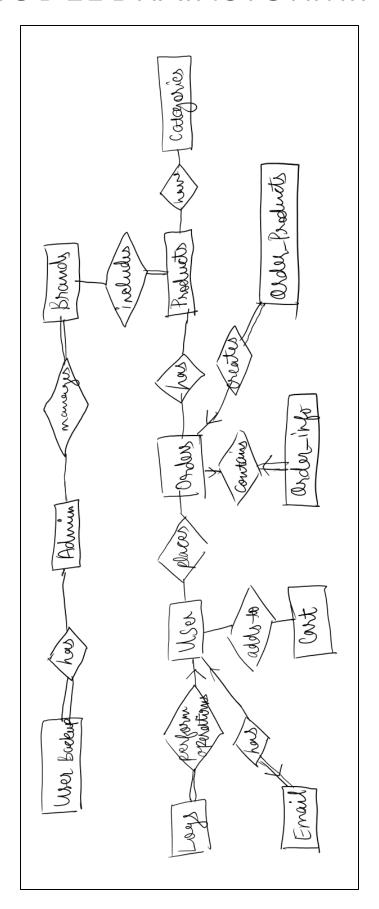


ER MODEL

- An entity-relationship (ER) model is a conceptual data model used in database management systems (DBMS) to describe the relationships between entities and their attributes. The ER model uses graphical notations to represent entities, relationships, and their attributes, which helps in visualizing the structure of the database.
- In an ER model, an entity is a real-world object or concept, such as a customer, product, or order. Each entity has attributes that describe its characteristics or properties, such as a customer's name, address, and email.
- Entities are connected through relationships, which represent the associations between entities. Relationships can be one-to-one, one-to-many, or many-to-many, depending on the number of entities involved.
- The ER model also includes cardinality and participation constraints, which specify the minimum and maximum number of entities that can be involved in a relationship. For example, a customer may have one or many orders, but an order can only be associated with one customer.
- Overall, the ER model provides a clear and concise way to represent the structure of a database and its relationships, which helps in the design and development of the database management system4

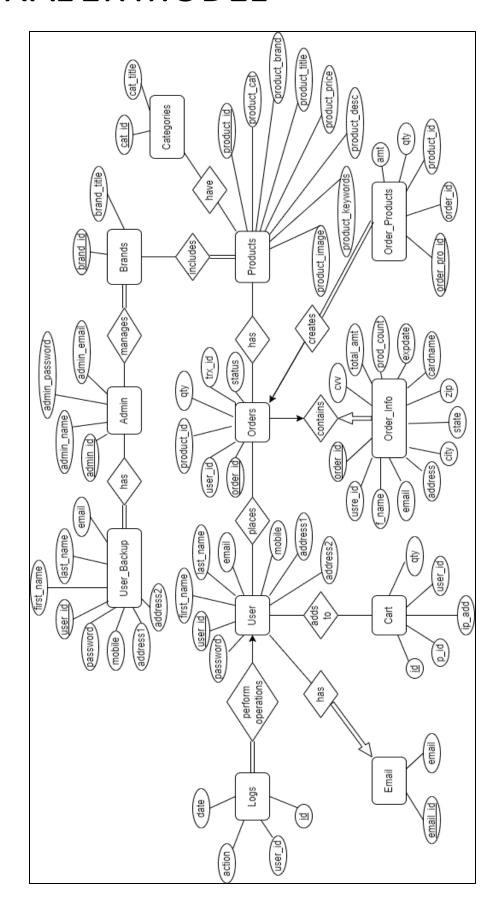


ER MODEL BRAINSTORMING





FINAL ER MODEL



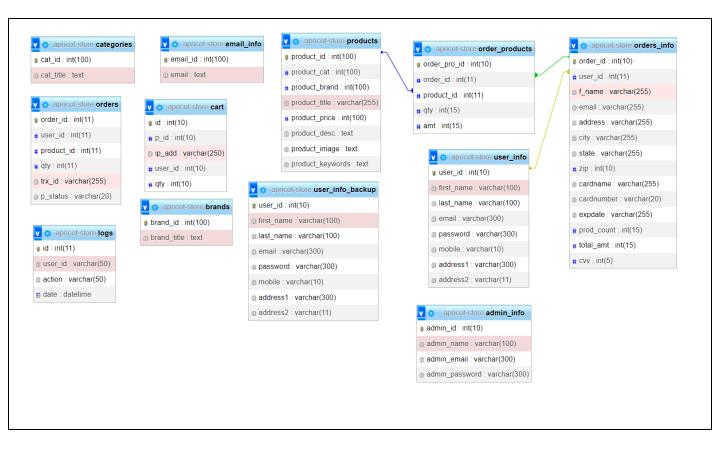


ER MODEL TO SCHEMA

```
admin_info [admin_id, admin_name, admin_email, admin_password] brands [brand_id, brand_title, cart_id, p_id, ip_add, user_id, qty] logs [id, user_id, action, date] order_products [order_pro_id, order_id, product_id, qty, amt] categories [cat_id, cat_title] products [product_id, product_cat, product_brand, product_title, product_price, product_desc, product_image, product_keywords] orders [order_id, user_id, product_id, qty, trx_id, p_status] email_info [email_id, email] user_info [user_id, first_name, last_name, email, password, mobile, address1, address2] orders_info [order_id, user_id, f_name, email, address, city, state, zip, cardname, cardnumber, expdate, prod_count, total_amt, cvv] user_info_backup [user_id, first_name, last_name, email, password, mobile, address1, address2]
```



FUNCTIONAL DEPENDENCIES





NORMALISATION IN BCNF

Admin_Info - already in 1st normal form (1NF) and in Boyce-Codd Normal Form (BCNF), since there is only one candidate key (Admin_ID) and all non-key attributes are fully functionally dependent on the candidate key.

Brands - already in 1NF and BCNF, since there is only one candidate key (Brand_ID) and all non-key attributes are fully functionally dependent on the candidate key.

Cart - already in 1NF, since all attributes are atomic. However, it is not in BCNF, since there is a non-trivial functional dependency between p_id and user_id. Therefore, it should be decomposed into two tables:

- Cart (id(P), p_id(F), ip_add, qty)
- User_Cart (id(F), user_id(F))

Logs - already in 1NF and BCNF, since there is only one candidate key (id) and all non-key attributes are fully functionally dependent on the candidate key.

Order_Products - already in 1NF, since all attributes are atomic. However, it is not in BCNF, since there is a non-trivial functional dependency between order_id and product_id. Therefore, it should be decomposed into two tables:

- Order_Products (order_pro_id(P), order_id(F), qty, amt)
- Product_Order (order_id(F), product_id(F))

Categories - already in 1NF and BCNF, since there is only one candidate key (cat_id) and all non-key attributes are fully functionally dependent on the candidate key.

Products - already in 1NF, since all attributes are atomic. However, it is not in BCNF, since there is a non-trivial functional dependency between product_cat and product_brand. Therefore, it should be decomposed into two tables:

- Products (product_id(P), product_cat(F), product_title, product_price, product_desc, product_image, product_keywords)
- Product Brands(product cat(F), product brand(F))



NORMALISATION IN BCNF (contd)

Orders - already in 1NF, since all attributes are atomic. However, it is not in BCNF, since there is a non-trivial functional dependency between order_id and user_id. Therefore, it should be decomposed into two tables:

- Orders (order_id(P), user_id(F), product_id, qty, trx_id, p_status)
- User_Orders (user_id(F), order_id(F))

Email_info - already in 1NF and BCNF, since there is only one candidate key (email_id) and all non-key attributes are fully functionally dependent on the candidate key.

User_info - already in 1NF and BCNF, since there is only one candidate key (user_id) and all non-key attributes are fully functionally dependent on the candidate key.

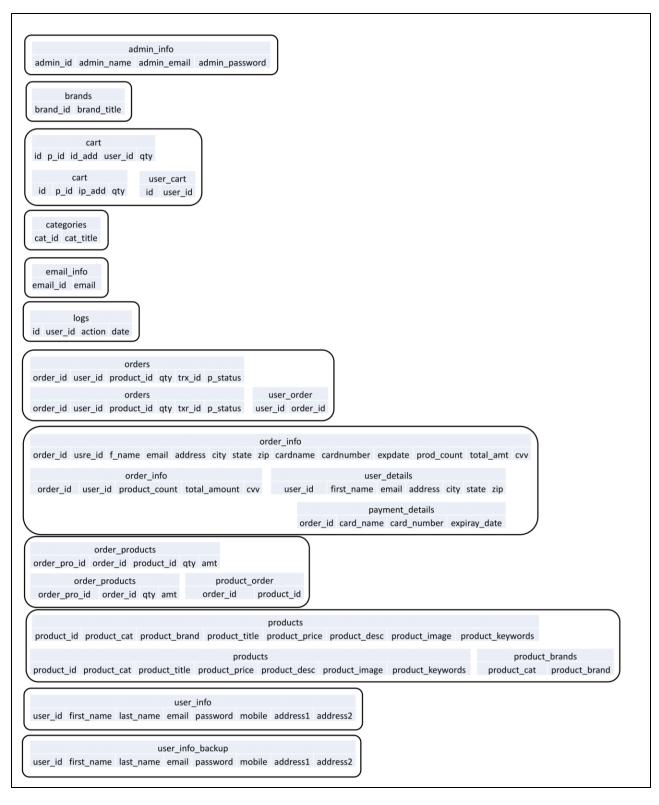
Orders_info - already in 1NF, since all attributes are atomic. However, it is not in BCNF, since there are multiple candidate keys (Order_id and user_id), and there is a non-trivial functional dependency between user_id and f_name, email, address, city, state, and zip. Therefore, it should be decomposed into three tables:

- Orders_info (Order_id(P), user_id(F), prod_count, total_amt, cvv)
- User Details (user id(P), f name, email, address, city, state, zip)
- Payment Details (Order id(F), cardname, cardnumber, expdate)

User_info_backup - already in 1NF and BCNF, since there is only one candidate key (user_id) and all non-key attributes are fully functionally dependent on the candidate key.



NORMALISATION IN BCNF (contd)





CREATION OF TABLES

```
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;
CREATE TABLE `brands` (
  `brand id` int(100) NOT NULL,
  `brand title` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1 swedish ci;
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;
CREATE TABLE `categories` (
  `cat id` int(100) NOT NULL,
  `cat title` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;
CREATE TABLE `email info` (
  `email id` int(100) NOT NULL,
  `email` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1 swedish ci;
```



CREATION OF TABLES (contd)

```
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;
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;
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;
```



CREATION OF TABLES (contd)

```
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;
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;
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;
```



CREATION OF TABLES (contd)

```
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;
```



INSERTION OF DATA

```
INSERT INTO `admin_info` (`admin_id`, `admin_name`, `admin_email`, `admin_password`) VALUES
(1, 'admin', 'admin@apicotstore.com', '25f9e794323b453885f5181f1b624d0b'),
(69, 'adminn', 'adminn@gmail.com', 'cc8b1415557f58abf2e2fa83c2ea6c91');
INSERT INTO `brands` (`brand id`, `brand title`) VALUES
(1, 'HP'),
(2, 'Samsung'),
(3, 'Apple'),
(4, 'motorolla'),
(5, 'LG'),
(6, 'Cloth Brand');
INSERT INTO `cart` (`id`, `p id`, `ip add`, `user id`, `qty`) VALUES
(6, 26, '::1', 4, 1),
(9, 10, '::1', 7, 1),
(10, 11, '::1', 7, 1),
(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),
(50, 61, '::1', 8, 1),
(51, 1, '::1', 8, 1),
(52, 5, '::1', 9, 1),
(53, 2, '::1', 14, 1),
(54, 3, '::1', 14, 1),
(55, 5, '::1', 14, 1),
(56, 1, '::1', 9, 1),
(57, 2, '::1', 9, 1),
(71, 61, '127.0.0.1', -1, 1),
(148, 2, '::1', 26, 1),
(149, 3, '::1', 26, 1),
(150, 22, '::1', -1, 1),
(151, 4, '::1', -1, 1);
```



INSERTION OF DATA (contd)

```
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');
  INSERT INTO `email info` (`email id`, `email`) VALUES
  (3, 'admin@apricotstore.com'),
  (5, 'info.shohan@yahoo.com');
  INSERT INTO `orders` (`order_id`, `user_id`, `product_id`, `qty`, `trx_id`, `p_status`) VALUES
  (1, 12, 7, 1, '07M47684BS5725041', 'Completed'),
  (2, 14, 2, 1, '07M47684BS5725041', 'Completed');
 INSERT INTO `order products` (`order pro id`, `order id`, `product id`, `qty`, `amt`) VALUES
 (73, 1, 1, 1, 5000),
 (74, 1, 4, 2, 64000),
  (75, 1, 8, 1, 40000),
 (91, 2, 2, 1, 25000);
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'),
(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 dress1026.jpg', 'red dress'),
(11, 2, 6, 'Blue Heave dress', 1200, 'Blue dress', 'images1126.jpg', 'blue dress cloths'),
(12, 2, 6, 'Ladies Casual Cloths', 1500, 'ladies casual summer two colors pleted', '7475-ladies-casual-dresses-summer-two-colors-pleated1226.jpg', 'girl dress cloths casual'),
(13, 2, 6, 'SpringAutumnDress', 1200, 'girls dress', 'Spring-Autumn-Winter-Young-Laddes-Casual-Wool-Dress-Nomen-s-One-Piece-Dresse-Dating-Clothes-Medium.jpg_640x6401326.jpg', 'girl dress'), (14, 2, 6, 'Casual Dress', 1400, 'girl dress', 'download1426.jpg', 'ladies cloths girl'), (15, 2, 6, 'Formal Look', 1500, 'girl dress', 'shutterstock1526_2036118191526.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'),
(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', 'kid yellow t shirt'), (23, 4, 6, 'Girls cloths', 1900, 'sadsf', 'GirlsClothing Widgets2346.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', 'images2546 (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', 'images3560 (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'),
```



FORMED TABLES

Q	* admin_id _	* admin_nan varchar(100)	* admin_email varchar(300)	* admin_password varchar(300)
1	1	admin	admin@apicotstore.com	25f9e794323b453885f5181
2	69	adminn	adminn@gmail.com	cc8b1415557f58abf2e2fa83

Q	* brand_id only int	* brand_title text
1	1	HP
2	2	Samsung
3	3	Apple
4	4	motorolla
5	5	LG
6	6	Cloth Brand

Q	* cat_id	* cat_title
1	1	Electronics
2	2	Ladies Wears
3	3	Mens Wear
4	4	Kids Wear
5	5	Furnitures
6	6	Home Appliances
7	7	Electronics Gadgets

Q	* order_id \(\phi \) int	* user_id	* product_id \(\phi \) int	* qty int =	* trx_id varchar(255)	* p_status varchar(20)
1	1	12	7	1	07M47684BS5725041	Completed
2	2	14	2	1	07M47684BS5725041	Completed

Q	* id int	* p_id	* ip_add varchar(25(user_id int	* qty int
1	6	26	::1	4	1
2	9	10	::1	7	1
3	10	11	::1	7	1
4	11	45	::1	7	1
5	44	5	::1	3	0
6	46	2	::1	3	0
7	48	72	::1	3	0
8	49	60	::1	8	1
9	50	61	::1	8	1
10	51	1	::1	8	1
11	52	5	::1	9	1
12	53	2	::1	14	1
13	54	3	::1	14	1
14	55	5	::1	14	1
15	56	1	::1	9	1
16	57	2	::1	9	1
17	71	61	127.0.0.1	-1	1
18	148	2	::1	26	1

Q	* email_id aint	* email text
1	3	admin@apricotstore.com
2	5	info.shohan@yahoo.com

Q	* order_pro_id	* order_id \(\phi \) int	* product_id \(\phi \) int	qty int \$	amt int
1	73	1	1	1	5000
2	74	1	4	2	64000
3	75	1	8	1	40000
4	91	2	2	1	25000



FORMED TABLES (contd)

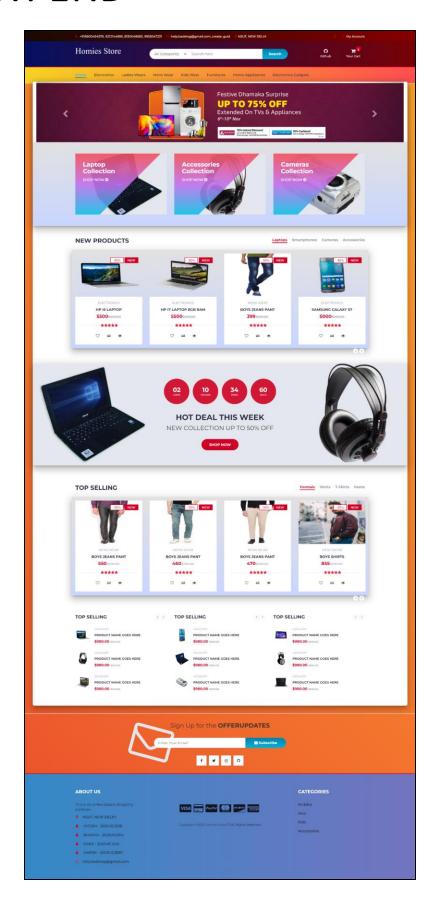
Q	* product_id =	product_cat int	* product_brand int	* product_title varchar(255)	* product_price int	* product_desc text	* product_image text	* product_keywords text
1	1	1	2	Samsung galaxy s7 edge	5000	Samsung galaxy s7 edge	product07.png	samsung mobile electronics
2	2	1	3	iPhone 5s	25000	iphone 5s	httppluspng.com_img-p	mobile iphone apple
3	3	1	3	iPad air 2	30000	ipad apple brand	da4371ffa192a115f922b1c0	apple ipad tablet
4	4	1	3	iPhone 6s	32000	Apple iPhone	httppluspng.com_img-p	iphone apple mobile
5	5	1	2	iPad 2	10000	samsung ipad	iPad-air.png	ipad tablet samsung
6	6	1	1	samsung Laptop r series	35000	samsung Black combination	laptop_PNG5939.png	samsung laptop
7	7	1	1	Laptop Pavillion	50000	Laptop Hp Pavillion	laptop_PNG5930.png	Laptop Hp Pavillion
8	8	1	4	Sony	40000	Sony Mobile	530201353846AM_635_son	sony mobile
9	9	1	3	iPhone New	12000	iphone	iphone-hd-png-iphone-app	iphone apple mobile
10	10	2	6	Red Ladies dress	1000	red dress for girls	red dress1026.jpg	red dress
11	11	2	6	Blue Heave dress	1200	Blue dress	images 1126.jpg	blue dress cloths
12	12	2	6	Ladies Casual Cloths	1500	ladies casual summer two c	7475-ladies-casual-dresses-	girl dress cloths casual
13	13	2	6	Spring Autumn Dress	1200	girls dress	Spring-Autumn-Winter-You	girl dress
14	14	2	6	Casual Dress	1400	girl dress	download1426.jpg	ladies cloths girl
15	15	2	6	Formal Look	1500	girl dress	shutterstock1526_2036118	ladies wears dress girl
16	16	3	6	Sweter for men	600	2012-Winter-Sweater-for-N	2012-Winter-Sweater-for-N	black sweter cloth winter
17	17	3	6	Gents formal	1000	gents formal look	gents-formal-250x250.jpg	gents wear cloths
18	19	3	6	Formal Coat	3000	ad	images (1).jpg	coat blazer gents
19	20	3	6	Mens Sweeter	1600	jg	Winter-fashion-men-burst-	sweeter gents
20	21	3	6	T shirt	800	ssds	IN-Mens-Apparel-Voodoo-	formal t shirt black
21	22	4	6	Yellow T shirt	1300	yello t shirt with pant	1.0x0.jpg	kids yellow t shirt
22	23	4	6	Girls cloths	1900	sadsf	GirlsClothing_Widgets2346	formal kids wear dress
23	24	4	6	Blue T shirt	700	g	images.jpg	kids dress

Q		* first_name varchar(100)		* email varchar(300)	* password varchar(300)	* mobile varchar(10)		* address2 varchar(11)
1	12	Shohanur	Rahman	shohan@apricotstore.com	shohan	9448121558	DSC	Dhaka
2	19	Niloy	Hasan	niloy@apricotstore.com	niloy	9871236534	DSC	Dhaka
3	21	Jony	Hasan	jony@apricotstore.com	jony	202-555-01	DSC	Dhaka
4	22	Maruf	Mia	maruf@apricotstore.com	maruf	9877654334	DSC	Dhaka
5	23	tausif	Mia	tausif@apricotstore.com	tausif	9876543234	DSC	Dhaka
6	24	limon	Sheikh	limon@apricotstore.com	limon	9535688928	DSC	Dhaka
7	25	rafin	Molla	rafin@apricotstore.com	rafin	9535688928	DSC	Dhaka
8	26	Hitesh	Kumar	hitkumar592002@gmail.cor	HITECHY2002@	2345678956	House no 10/11, street num	NEW DELHI
9	27	Hitesh	Kumar	badelog@gmail.com	hitechy@2	4567834875	House no 10/11, street num	delhi

Q			* last_name = varchar(100	* email varchar(300)	* password varchar(300)	* mobile varchar(10)		* address2 varchar(11)
1	12	Shohanur	Rahman	shohan@apricotstore.com	shohan	9448121558	DSC	Dhaka
2	15	Mehedi	Hasan	mehedi@apricotstore.com	mehedi	536487276	,DSC	Dhaka
3	16	Asif	Rahman	asif@apricotstore.com	asif	9877654334	DSC	Dhaka
4	19	Niloy	Hasan	niloy@apricotstore.com	niloy	9871236534	DSC	Dhaka
5	21	Jony	Hasan	jony@apricotstore.com	jony	202-555-01	DSC	Dhaka
6	22	Maruf	Mia	maruf@apricotstore.com	maruf	9877654334	DSC	Dhaka
7	23	tausif	Mia	tausif@apricotstore.com	tausif	9876543234	DSC	Dhaka
8	24	limon	Sheikh	limon@apricotstore.com	limon	9535688928	DSC	Dhaka
9	25	rafin	Molla	rafin@apricotstore.com	rafin	9535688928	DSC	Dhaka
10	26	Hitesh	Kumar	hitkumar592002@gmail.cor	HITECHY2002@	2345678956	House no 10/11, street num	NEW DELHI
11	27	Hitesh	Kumar	badelog@gmail.com	hitechy@2	4567834875	House no 10/11, street num	delhi



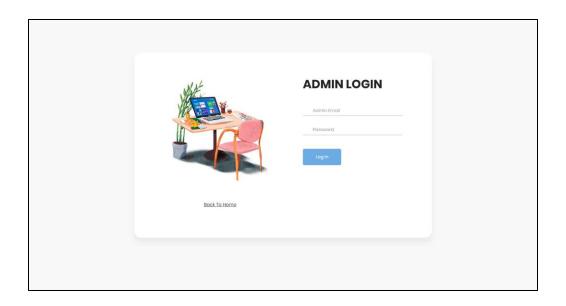
FRONT END





FRONT END (contd)

• Admin Login

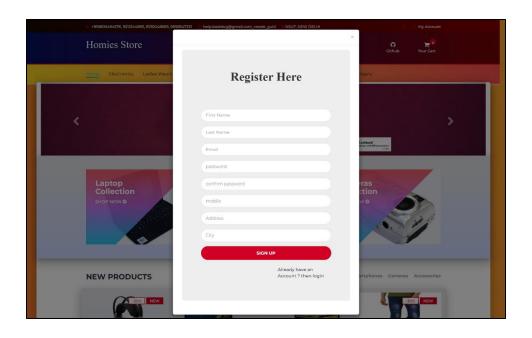




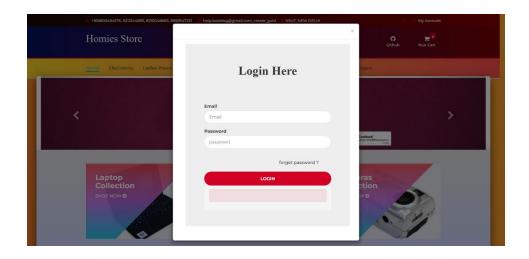


FRONT END (contd)

• User Registration



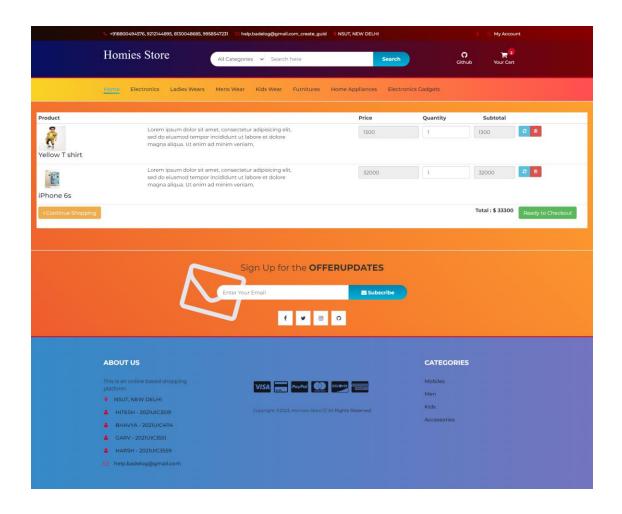
• User Login





FRONT END (contd)

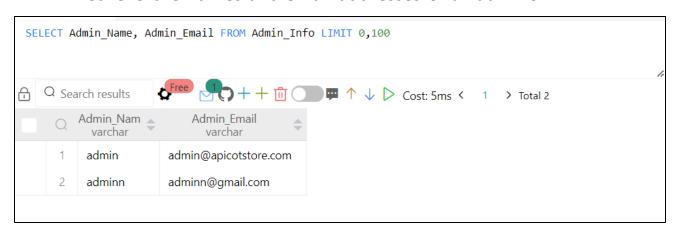
User Cart





SQL Queries

1. Retrieve the names and email addresses of all admins.



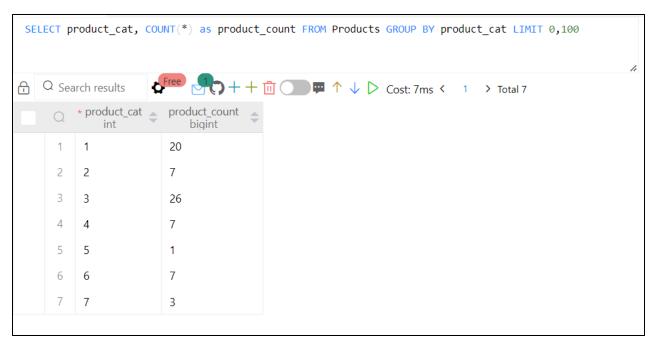
2. Retrieve the titles of all the brands.





SQL Queries (contd)

3. Retrieve the number of products in each category.



4. Retrieve the total number of items in the cart





SQL Queries (contd)

5. Retrieve the total amount spent on each order.



6. Retrieve the email addresses of all the users who placed an order.



7. Retrieve the number of orders placed by each user.



