

ECOM APPLICATION


































It is an Ecommerce application where the user will be able to buy certain products ,Place them in his/her cart and when he his done he can proceed to checkout his order .The user will also be able to Signup if he is not already a registered user. Update his profile and also look at all the past orders he has placed through our said application

Database Tables:

















cart	When the user adds items inside the cart it will be inserted in this table.
category	This table consists of all the different categories of products in our app.
customers	This table consists of the user details
hibernate_sequence	It is a generation type recommended by hibernate.The generated values are unique per sequence
orders	It will contain the list of past orders of all the users
order_details	It will contain the order details of all the orders
payments	This table will generally contain the list of payment types that are allowed
products	This table consists of all the products which are available in or app.
product_details	This table consists of the properties of those products(Specifications)
shippers	This table consists of all the shippers(Delivery Guys Details)
suppliers	This table consists of supplier details of the products

Below are the properties of each of the tables in our database:








































































CART TABLE

Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
cart_id 	bigint(20)			No	None		AUTO_INCREMENT	 Change  Drop  More
customer_id 	bigint(20)			Yes	NULL			 Change  Drop  More
product_id 	bigint(20)			Yes	NULL			 Change  Drop  More
cart_uid	bigint(20)			Yes	NULL			 Change  Drop  More
cart_qty	bigint(20)			Yes	NULL			 Change  Drop  More
cart_total	double(10,2)			Yes	NULL			 Change  Drop  More
exp_ship_date	datetime			Yes	NULL			 Change  Drop  More
exp_bill_date	datetime			Yes	NULL			 Change  Drop  More
exp_delivery_date	datetime			Yes	NULL			 Change  Drop  More
created_on	datetime			No	current_timestamp()			 Change  Drop  More

CATEGORY TABLE:

Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
category_id	 bigint(20)			No	None		AUTO_INCREMENT	 Change  Drop  More
category_name	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
description	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
is_active	bit(1)			Yes	NULL			 Change  Drop  More
category_image	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More








CUSTOMERS TABLE:

Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
customer_id	 bigint(20)			No	None		AUTO_INCREMENT	 Change  Drop  More
first_name	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
last_name	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
flat_number	varchar(20)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
customer_building	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
customer_address	varchar(1024)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
customer_city	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
customer_state	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
postal_code	bigint(20)			Yes	NULL			 Change  Drop  More
customer_country	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
customer_phone	bigint(20)			Yes	NULL			 Change  Drop  More
customer_email	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
username	 varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
password	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
card_type	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
card_number	bigint(20)			Yes	NULL			 Change  Drop  More
card_month	bigint(5)			Yes	NULL			 Change  Drop  More
card_year	bigint(5)			Yes	NULL			 Change  Drop  More
shipping_address	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
shipping_city	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
shipping_state	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
shipping_code	bigint(20)			Yes	NULL			 Change  Drop  More
shipping_country	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More










ORDERS TABLE:

Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
order_id	 bigint(20)			No	None		AUTO_INCREMENT	 Change  Drop  More
customer_id	 bigint(20)			Yes	NULL			 Change  Drop  More
order_number	bigint(20)			Yes	NULL			 Change  Drop  More
payment_id	 bigint(20)			Yes	NULL			 Change  Drop  More
order_date	datetime			Yes	current_timestamp()			 Change  Drop  More
ship_date	datetime			Yes	NULL			 Change  Drop  More
delivery_date	datetime			Yes	NULL			 Change  Drop  More
shipper_id	 bigint(20)			Yes	NULL			 Change  Drop  More
freight	double(10,2)			Yes	NULL			 Change  Drop  More
trans_status	varchar(20)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
is_fulfilled	bit(1)			Yes	NULL			 Change  Drop  More
is_deleted	bit(1)			Yes	NULL			 Change  Drop  More
is_paid	bit(1)			Yes	NULL			 Change  Drop  More
payment_date	datetime			Yes	NULL			 Change  Drop  More
invoice_amount	double			Yes	NULL			 Change  Drop  More
date_time	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More











































ORDER DETAILS TABLE:

Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
order_detail_id	bigint(20)			No	None		AUTO_INCREMENT	 Change  Drop  More
order_id	bigint(20)			Yes	NULL			 Change  Drop  More
product_id	bigint(20)			Yes	NULL			 Change  Drop  More
price	double(10,2)			Yes	NULL			 Change  Drop  More
igst_rate	double(10,2)			Yes	NULL			 Change  Drop  More
igst_amount	double(10,2)			Yes	NULL			 Change  Drop  More
cgst_rate	double(10,2)			Yes	NULL			 Change  Drop  More
cgst_amount	double(10,2)			Yes	NULL			 Change  Drop  More
sgst_rate	double(10,2)			Yes	NULL			 Change  Drop  More
sgst_amount	double(10,2)			Yes	NULL			 Change  Drop  More
cess_rate	double(10,2)			Yes	NULL			 Change  Drop  More
cess_amount	double(10,2)			Yes	NULL			 Change  Drop  More
unit_qty	bigint(20)			Yes	NULL			 Change  Drop  More
discount	double(10,2)			Yes	NULL			 Change  Drop  More
total	double(10,2)			Yes	NULL			 Change  Drop  More
is_fulfilled	bit(1)			Yes	NULL			 Change  Drop  More
ship_date	datetime			Yes	NULL			 Change  Drop  More
bill_date	datetime			Yes	NULL			 Change  Drop  More
delivery_date	datetime			Yes	NULL			 Change  Drop  More

PAYMENTS TABLE:

Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
payment_id	bigint(20)			No	None			 Change  Drop  More
payment_type	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
is_allowed	bit(1)			Yes	NULL			 Change  Drop  More

PRODUCTS TABLE:

Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
product_id	bigint(20)			No	None		AUTO_INCREMENT	 Change  Drop  More
sku_code	bigint(20)			Yes	NULL			 Change  Drop  More
product_brand	varchar(255)	utf8mb4_general_ci		No	None			 Change  Drop  More
product_name	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
product_description	varchar(1024)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
supplier_id	bigint(20)			Yes	NULL			 Change  Drop  More
category_id	bigint(20)			Yes	NULL			 Change  Drop  More
unit_price	double(10,2)			Yes	NULL			 Change  Drop  More
mrp	double(10,2)			Yes	NULL			 Change  Drop  More
discount	double(10,2)			Yes	NULL			 Change  Drop  More
in_stock_qty	bigint(20)			Yes	NULL			 Change  Drop  More
is_available	bit(1)			Yes	NULL			 Change  Drop  More
discount_available	bit(1)			Yes	NULL			 Change  Drop  More
image_url	varchar(1024)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More

SHIPPERS TABLE:

Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
shipper_id	bigint(20)			No	None			Change Drop More
company_name	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
shipper_contact	bigint(20)			Yes	NULL			Change Drop More
contact_person	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More

PRODUCT DETAILS TABLE:

Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
product_detail_id	bigint(20)			No	None		AUTO_INCREMENT	Change Drop More
product_id	bigint(20)			No	None			Change Drop More
property_name	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
property_value	varchar(1024)	utf8mb4_general_ci		No	None			Change Drop More

SUPPLIERS TABLE:

Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
supplier_id	bigint(20)			No	None			Change Drop More
company_name	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
contact_first_name	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
contact_last_name	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
contact_title	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
address	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
city	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
state	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
postal_code	bigint(20)			Yes	NULL			Change Drop More
country	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
phone	bigint(20)			Yes	NULL			Change Drop More
email	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
payment_methods	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
discount_type	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
discount_available	bit(1)			Yes	NULL			Change Drop More
logo_url	varchar(1024)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Components in our Application(Angular)

- Home
- Auth
- Cart
- Navbar
- Order-List
- Product-Details
- Update Profile
- Sign-In
- Sign-Up

Components in our Application(Spring)

- AuthController
- CartController
- CategoryController
- OrderController
- OrderDetailsController
- ProductController
- ProductDetailsController

Future Scope:

- Forgot Password
- JWT Based Authentication
- Payments Integration
- Delivery Tracking Updates

Rest API Mapping

Authentication(User)

Method Type	URL	Description	Takes What	Returns What
Post	/signin	Signing In User	Customer obj	customer/null
Post	/signup	Registering user	Customer obj	customer/null
Get	/validate/{username}	If username exists	String username	Status obj
Post	/signout	Signing out the user		Status obj
Put	/updateProfile	Updating Profile of an existing user	Customer obj	Customer/null

Category Table

Method Type	URL	Description	Takes What	Returns What
Get	/category/all	Get all categories		Category List
Post	/category/add	Add a category	Category obj	Category obj/null
Get	/category/{id}	Finding a category	Integer id	Category obj/null
Delete	/deleteCategory/{id}	Deleting a Category	Integer id	Status obj

Cart Table

Method Type	URL	Description	Takes What	Returns What
Post	/cart/add	Add a row in cart	Cart obj	Cart obj/null
Get	/cart/all	Get cart details of Customer	-	List of CartProduct obj
Delete	/deleteCart/{id}	Deleting Cart contents of a customer	Integer id	Status obj

Product Table

Method Type	URL	Description	Takes What	Returns What
Get	/product/all	Get all products		Product List
Post	/product/add	Add a product	Product obj	Product obj/null
Get	/product/{id}	Finding a particular product	Integer id	Product obj/null
Delete	/deleteProduct/{id}	Deleting a Product	Integer id	Status obj
Put	/product/update	Updating a Product	Product obj	Product obj/null
Get	product/category/{categoryId}	Getting all Products of a particular Category	Integer categoryId	Product List
Get	/product/search/{keyword}	Searching Product Based on a keyword given	String Keyword	Product List

Order Table:

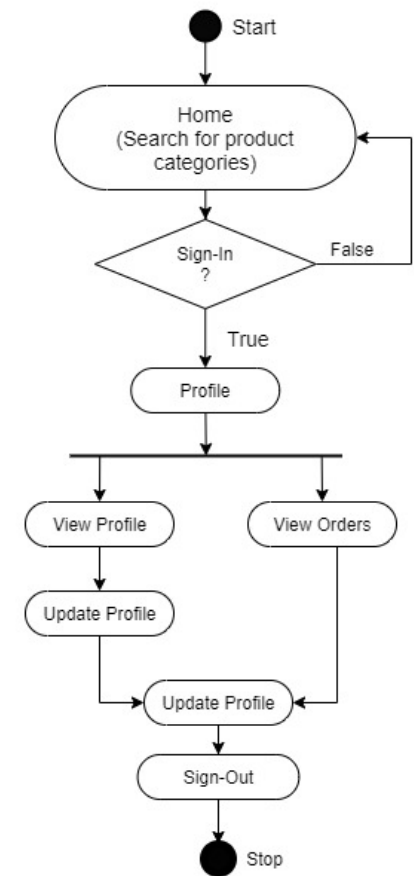
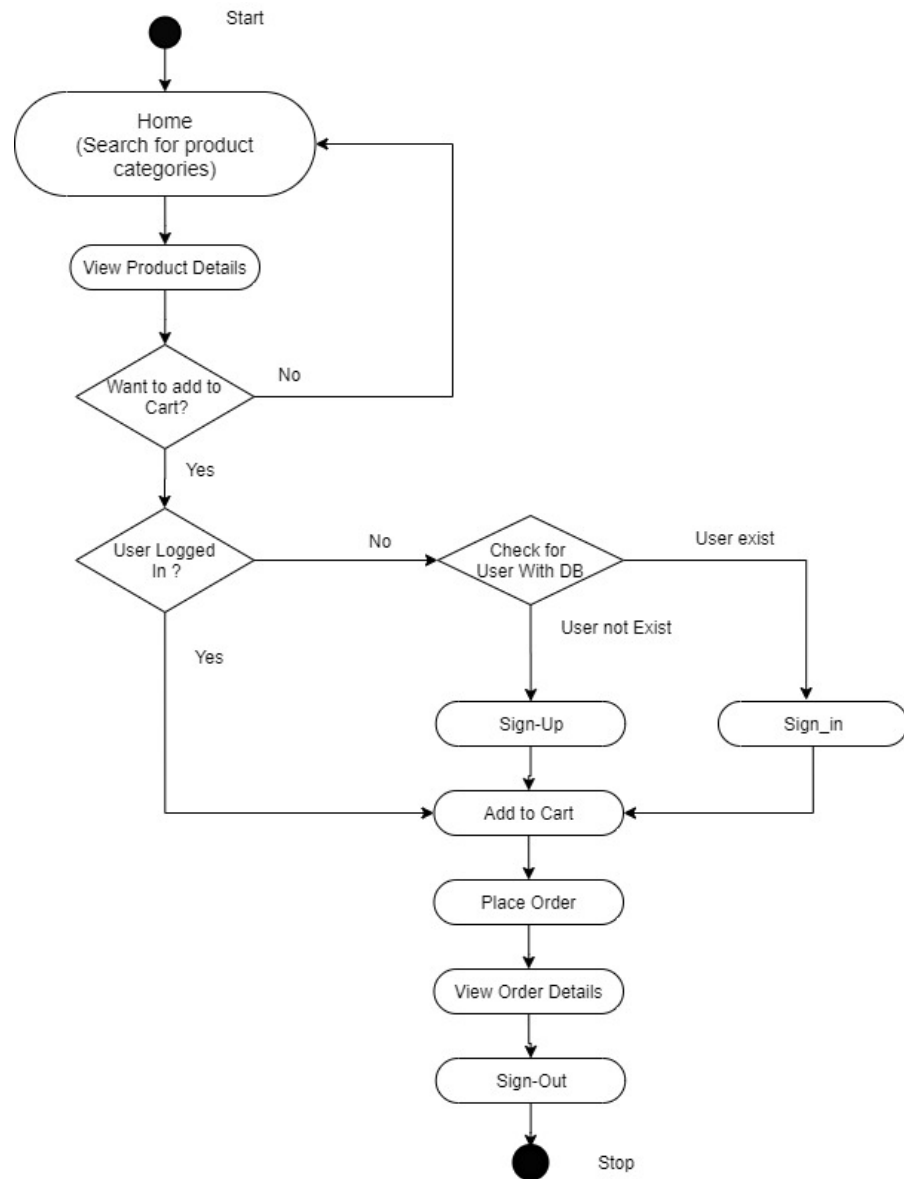
Method Type	URL	Description	Takes What	Returns What
Post	/order/add	Add a row in order table	Order obj	Order obj/null
Get	/order/all	Get orders of a Customer	-	List of OrderContents obj

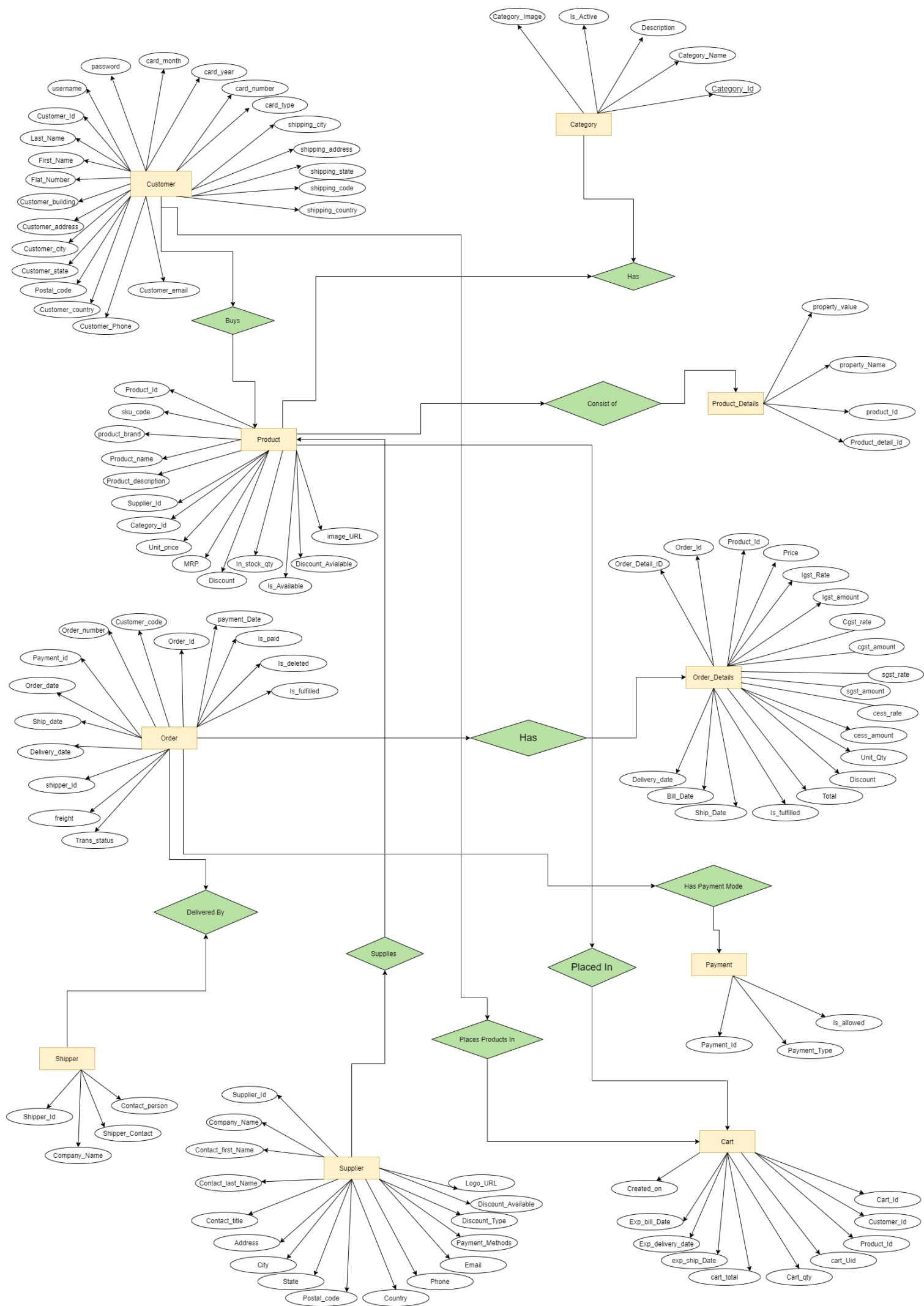
Order Details Table:

Method Type	URL	Description	Takes What	Returns What
Post	/orderDetails/add	Add a row in order details table	OrderDetails obj	OrderDetails obj/null
Get	/orderDetails/{orderId}	Get ordersDetails of a particular order of a Customer	Integer orderId	List of OrderDetailsDummy obj

Product Details Table:

Method Type	URL	Description	Takes What	Returns What
Get	/productDetails/all	Get all products Details		ProductDetails List
Post	/productDetails/add	Add a productDetail	Product Details obj	ProductDetails obj/null
Get	/productDetails/{productId}	Finding all the details pf a particular product	Integer productId	List of ProductDetails obj
Delete	/deleteProductDetails/{id}	Deleting a ProductDetails	Integer id	Status obj
Put	/productDetails/update	Updating a ProductDetails field	ProductDetails obj	ProductDetails obj/null





Test Case ID	Scenario/Page Name	Test Case Description	Test Data	Test Steps	Expected Result	Actual Result	Status (Pass/Fail)
1	Sign Up	Register new user	All the user Details	1.Enter all the data. 2.Click on sign up.	Sign up should be successful.	Successfully registered.	Pass
2	Sign in	Sign in to the application	Username Password	1.Enter Valid credentials. 2.Click on signIn button.	Navigate forward to the home page.	Navigating to the home page.	Pass
3	Sign Up	Validating Username	Unique Username	Enter the username	It should prompt if username already exists	Successfully prompts	Pass
4	Home Page	View all the products		Click on Home in Navbar	It should show all the products cards in the database	Shows all the products card	Pass
5	Home Page	Show Products of that Particular category	Category ID	Click on the category	It show all the product cards of that category	Shows all the product cards of the particular category	Pass
6	Product Details	View all Product Details of that particular Product	Product ID	Click on More Details Link in a Product Card	It should show product details of that category	Shows the product details of that category	Pass
7	Product Details	Quantity Change of that product		click on +/- in the product details modal	The Quantity should increase/decrease and the + Button should get disabled if the Qty reaches 9 and - Button Disabled when Quantity reaches 0	CartQuantity gets increased/decreased depending on the button clicked and the the button's get disabled based on our condition	Pass
8	Product Details	Add the selected Product by the customer to the Cart		Add to Cart Button Clicked	The product of the specified quantity should be added to cart and be displayed in the cart	The item is added to cart	Pass
9	Cart	Show contents of the cart for that customer	Click on the cart symbol in the navbar		Show all the products with their respected quantity in the cart	Shows all the products in the cart	Pass
10	Cart	Order to placed when we click on Confirm	Cart ID	When we click on confirm order	Order should be placed and user should be navigate to the orders page	Order is placed and redirects to the orders page of that user	Pass
11	My Orders	Show previous Orders of that particular Customer		My Orders in the navbar	All the past orders placed by the user should be displayed	Shows all the orders previously placed by the user	Pass
12	My Orders	Show the order details of the previous orders placed by the user		When we click on a particular order number in the My Orders Page	All the order details of that particular order to be shown	Shows all the order details of that particular order	Pass
13	Update Profile	Update Profile of that user		When we click on "Update Profile" in the navbar	A pre populated form with the current data of the user to be shown where we can edit it and when we click on update profile it should do the respective thing	Updates the profile/User details of that user	Pass
14	Logout	Logout	customer Id	Click on Logout in the navbar	The customer should be logged out from the application and must be navigated to Home Page	Customer is able to logout and is navigated back to the Home Page	Pass