Learn with Rabbil

Made By Next.JS

Apple Shop

GET STARTED

E-commerce User Platform Requirement Analysis

BRANDS:

- User should browser product according to brand
- Each brand should have a name, logo, and description.
- Brands should be displayed alongside products to help users identify products from specific manufacturers.

CATEGORIES:

- The system needs a category structure to organize products.
- Categories should be easy to manage, .
- Products should be assigned to one category.
- User should browser product according to category.

PRODUCTS

- Products should have attributes such as name, description, price, and stock status.
- Users should be able to search, filter, and sort products based on various criteria.
- Easy section for 'popular','new','top','special','trending','regular'
- Must have slider section to featured product
- Product should have it's details & reviews
- Similar product should listed below the one product details

E-commerce User Platform Requirement Analysis

PRODUCT DETAILS:

- Detailed product pages should include comprehensive information, images, and reviews.
- Users should be able to see product availability and related products.

PRODUCT REVIEWS:

- Users should be able to leave reviews and ratings for products.
- Reviews should display user names, ratings, and comments.

PRODUCT SLIDERS:

- The platform should support dynamic sliders to showcase featured products.
- Administrators should be able to select products to be displayed in the sliders.
- Sliders should be customizable in terms of layout and appearance.

E-commerce User Platform Requirement Analysis

CUSTOMER PROFILES:

- Users should be able to create and manage their profiles.
- Profiles should include personal information, order history, and saved addresses.
- The platform should have easy 2 step OTP based login system

PRODUCT CARTS:

- Users should be able to add and remove products from their shopping carts.
- Carts should display product details, quantities, prices, and a total amount.
- Users should have the option to save carts for later or proceed to checkout.

PRODUCT WISHES

- Users should be able to create and manage wishlists of products.
- Wishlists should be linked to user profiles for easy access.
- Users should have the option to move items from their wishlist to their cart.

E-commerce User Platform Requirement Analysis

INVOICES:

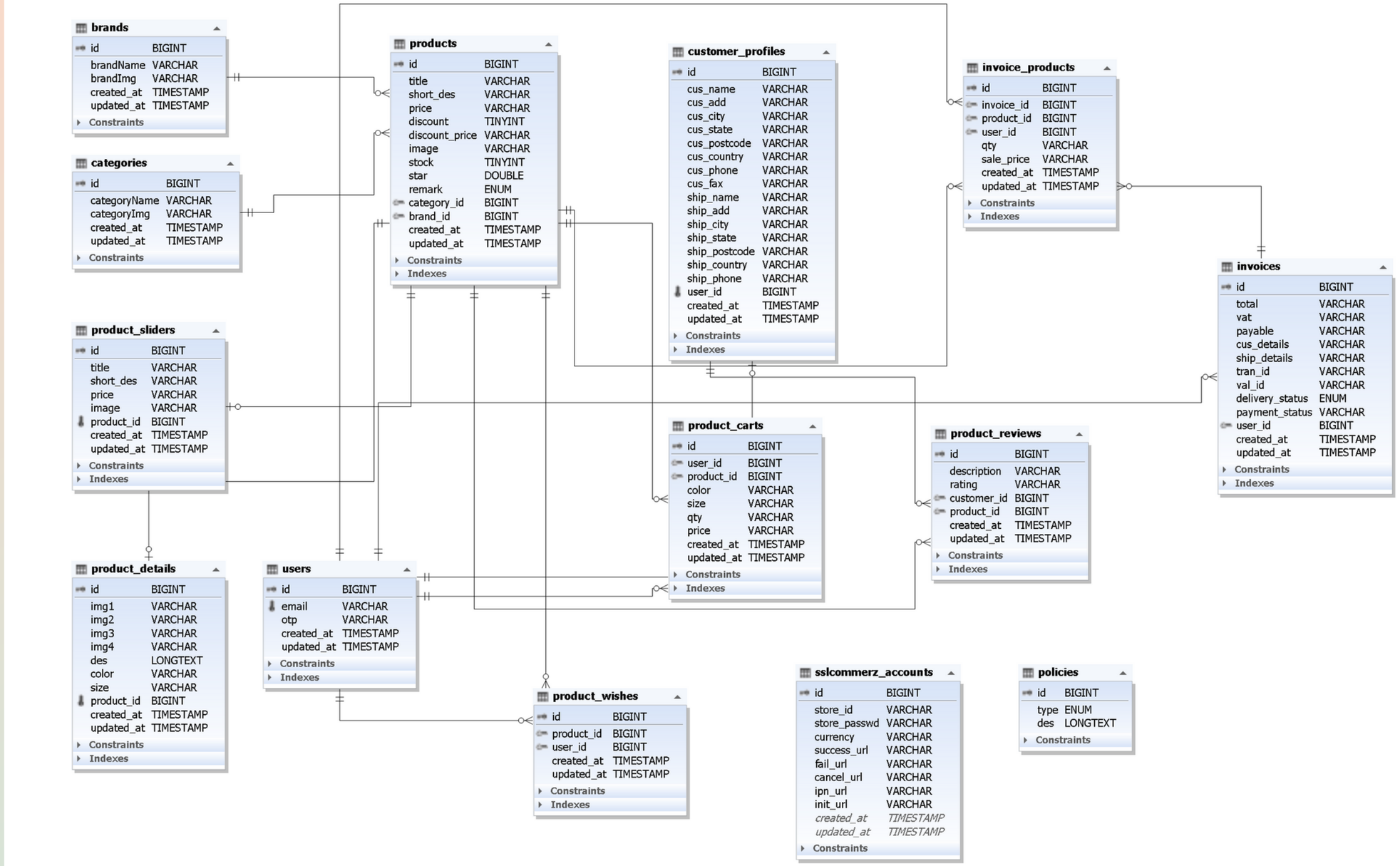
- Each successful transaction should generate an invoice.
- Invoices should contain details such as order number, date, total amount, and billing information.
- Users should be able to view and download their invoices from their accounts.

INVOICE PRODUCTS:

- Each invoice should list the products purchased in that transaction.
- The list should include product names, quantities, prices, and subtotal for each item.
- Totals should include subtotals, vat, and other charges.

SSLCOMMERZ PAYMENT GETWAY

- The platform needs integration with SSLCommerz for secure payments.
- Users should be able to link their SSLCommerz accounts for seamless transactions.
- Payment processing should be encrypted and compliant with security standards.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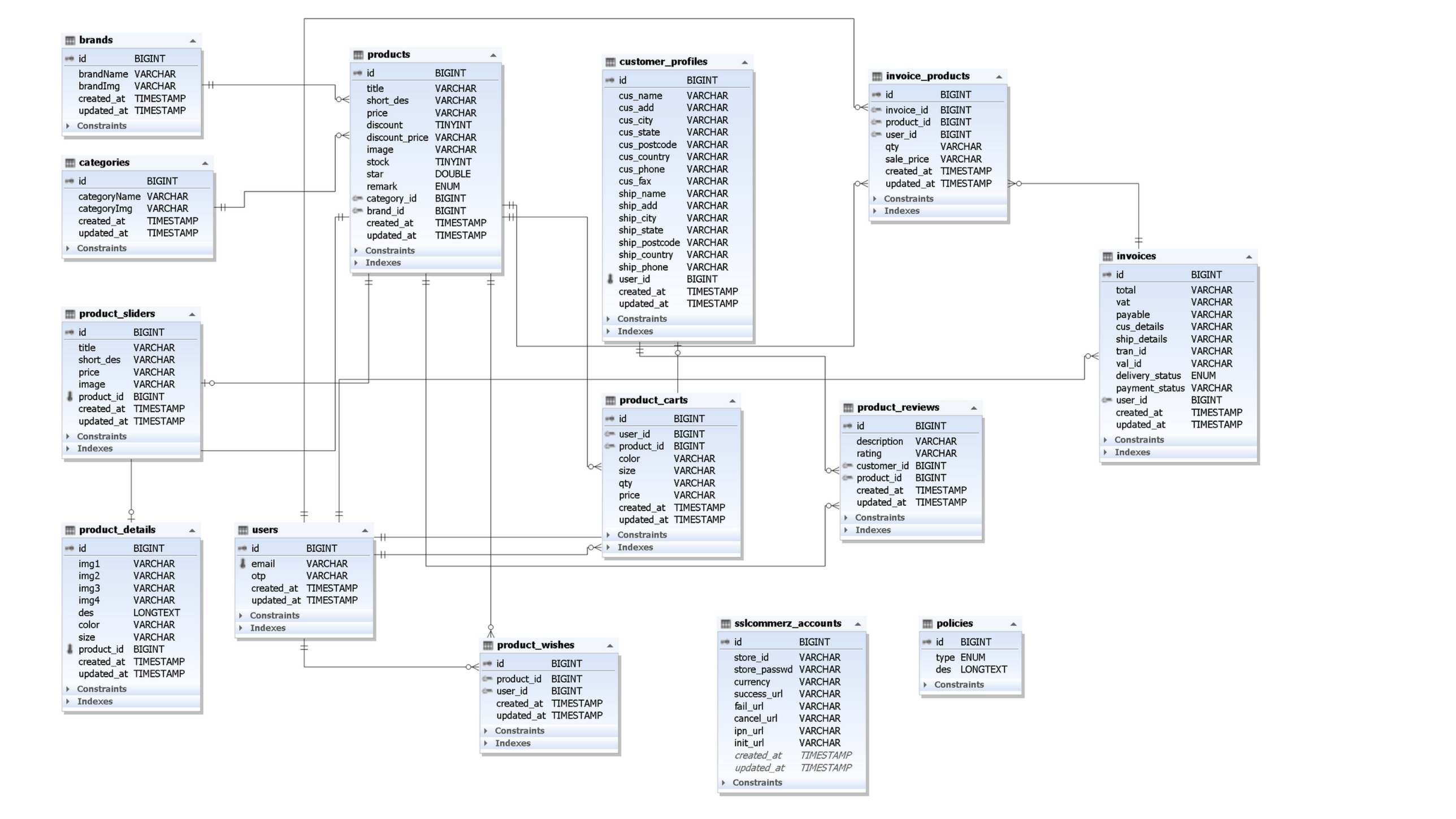
brandName VARCHAR
brandImg VARCHAR
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
categories
id BIGINT
categoryName VARCHAR
categoryImg VARCHAR
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
products
id BIGINT
title VARCHAR
short_des VARCHAR
price VARCHAR
discount TINYINT
discount_price VARCHAR
image VARCHAR
stock TINYINT
star DOUBLE
remark ENUM
category_id BIGINT
brand_id BIGINT
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
customer_profiles
id BIGINT
cus_name VARCHAR
cus_add VARCHAR
cus_city VARCHAR
cus_state VARCHAR
cus_postcode VARCHAR
cus_country VARCHAR
cus_phone VARCHAR
cus_fax VARCHAR
ship_name VARCHAR
ship_add VARCHAR
ship_city VARCHAR
ship_state VARCHAR
ship_postcode VARCHAR
ship_country VARCHAR
ship_phone VARCHAR
user_id BIGINT
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
invoice_products
id BIGINT
invoice_id BIGINT
product_id BIGINT
user_id BIGINT
qty VARCHAR
sale_price VARCHAR
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
invoices
id BIGINT
total VARCHAR
vat VARCHAR
payable VARCHAR
cus_details VARCHAR
ship_details VARCHAR
tran_id VARCHAR
val_id VARCHAR
delivery_status ENUM
payment_status VARCHAR
user_id BIGINT
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
product_sliders
id BIGINT
title VARCHAR
short_des VARCHAR
price VARCHAR
image VARCHAR
product_id BIGINT
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
product_carts
id BIGINT
user_id BIGINT
product_id BIGINT
color VARCHAR
size VARCHAR
qty VARCHAR
price VARCHAR
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
product_reviews
id BIGINT
description VARCHAR
rating VARCHAR
customer_id BIGINT
product_id BIGINT
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
product_details
id BIGINT
img1 VARCHAR
img2 VARCHAR
img3 VARCHAR
img4 VARCHAR
des LONGTEXT
color VARCHAR
size VARCHAR
product_id BIGINT
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
users
id BIGINT
email VARCHAR
otp VARCHAR
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
product_wishes
id BIGINT
product_id BIGINT
user_id BIGINT
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
sslcommerz_accounts
id BIGINT
store_id VARCHAR
store_passwd VARCHAR
currency VARCHAR
success_url VARCHAR
fail_url VARCHAR
cancel_url VARCHAR
ipn_url VARCHAR
init_url VARCHAR
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
policies
id BIGINT
type ENUM
des LONGTEXT
Constraints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discount_price VARCHAR
image VARCHAR
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star DOUBLE
remark ENUM
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brand_id BIGINT
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updated_at TIMESTAMP
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cus_add VARCHAR
cus_city VARCHAR
cus_state VARCHAR
cus_postcode VARCHAR
cus_country VARCHAR
cus_phone VARCHAR
cus_fax VARCHAR
ship_name VARCHAR
ship_add VARCHAR
ship_city VARCHAR
ship_state VARCHAR
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ship_country VARCHAR
ship_phone VARCHAR
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updated_at TIMESTAMP
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categoryImg VARCHAR
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updated_at TIMESTAMP
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ship_details VARCHAR
tran_id VARCHAR
val_id VARCHAR
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payment_status VARCHAR
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updated_at TIMESTAMP
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short_des VARCHAR
price VARCHAR
image VARCHAR
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created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
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user_id BIGINT
product_id BIGINT
color VARCHAR
size VARCHAR
qty VARCHAR
price VARCHAR
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
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rating VARCHAR
customer_id BIGINT
product_id BIGINT
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
product_details
id BIGINT
img1 VARCHAR
img2 VARCHAR
img3 VARCHAR
img4 VARCHAR
des LONGTEXT
color VARCHAR
size VARCHAR
product_id BIGINT
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
users
id BIGINT
email VARCHAR
otp VARCHAR
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
product_wishes
id BIGINT
product_id BIGINT
user_id BIGINT
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
Indexes
sslcommerz_accounts
id BIGINT
store_id VARCHAR
store_passwd VARCHAR
currency VARCHAR
success_url VARCHAR
fail_url VARCHAR
cancel_url VARCHAR
ipn_url VARCHAR
init_url VARCHAR
created_at TIMESTAMP
updated_at TIMESTAMP
Constraints
policies
id BIGINT
type ENUM
des LONGTEXT
Constraints

SSL COMMARZ STRATEGY

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Merchant Back-End

SSL Back-End

Action: Post Form Data

URL: https://sandbox.sslcommerz.com/gwprocess/v4/api.php

invoices
- id
- total
- vat
- payable
- cus_details
- ship_details
- shipping_method
- payment_method
- tran_id
- delivery_status
- payment_status
- user_id
- created_at
- updated_at

Payment Status: 0
Payment method: 0

store_id: teamr64c9e84055219
store_passwd: teamr64c9e84055219@ssl
total_amount: 100
currency: BDT
tran_id: REF121212123
success_url: http://...../**success?tran_id: REF121212123**
fail_url: http://...../**fail?tran_id: REF121212123**
cancel_url: http://...../**cancel?tran_id: REF121212123**
ipn_url: http://yoursite.com/**ipn.php**

cus_name: Customer Name
cus_email: cust@yahoo.com
cus_add1: Dhaka
cus_add2: Dhaka
cus_city: Dhaka
cus_state: Dhaka
cus_postcode: 1000
cus_country: Bangladesh
cus_phone: 01711111111
cus_fax: 01711111111

Verify Marchand Back End Request

shipping_method: YES
ship_name: Customer Name
ship_add1: Dhaka
ship_add2: Dhaka
ship_city: Dhaka
ship_state: Dhaka
ship_country: Bangladesh
ship_postcode: 12000

product_name: product_name
product_category: product_category
product_profile: product_profile
product_amount: 10

Preparing Available Payment Method For Marchant

Result: Available Payment Option Details


```
[
  {
        "name": "bKash",
        "type": "mobilebanking",
        "logo": "https://.........",
        "gw": "bkash",
        "r_flag": "1",
        "redirectGatewayURL": "https://......"
    },
    {
        "name": "Nagad",
        "type": "mobilebanking",
        "logo": "https://.........",
        "gw": "nagad",
        "r_flag": "1",
        "redirectGatewayURL": "https://......"
    }
]
```


invoices
- id
- total
- vat
- payable
- cus_details
- ship_details
- shipping_method
- payment_method
- tran_id
- delivery_status
- payment_status
- user_id
- created_at
- updated_at

Payment Status: Pending
Payment method: Bkash

Merchant Back-End

SSL Back-End

Action: Redirect User To Selected Payment Method URL

Processing Payment

Payment Status: Success/Processing
Payment method: Bkash

Payment Success

SSL will redirect user to
success_url: http://...../success?**tran_id: REF121212123**

Payment Status: Cancel
Payment method: Bkash

Payment Cancel

SSL will redirect user to
cancle_url: http://...../cancle?**tran_id: REF121212123**

Payment Status: Fail
Payment method: Bkash

Payment Fail

SSL will redirect user to
fail_url: http://...../fail**?tran_id: REF121212123**

IPN
Do Later

Payment Status: Completed
Payment method: Bkash

SSL Will Post Transaction Details Via IPN API

Action: Complete final verification according to

Lets Develop Back End

BRANDS:

- Brand List

CATEGORIES:

- Category List

PRODUCTS:

- List Product By Category
- List Product By Remark
- List Product By Brand
- List Product Slider
- Product List By Keyword

PRODUCT DETAILS:

- Product Details By Id

PRODUCT REVIEWS:

- List Review By Product
- Create-Update Product Review

PRODUCT SLIDERS:

- List Product Slider

CUSTOMER PROFILES:

- User Login
- Verify Login
- User Logout
- Create-update Profile
- Read Profile

PRODUCT CARTS:

- Create-Update Cart List
- Cart List
- Delete Cart List

PRODUCT WISH:

- Create-Update Wish List
- Wish List
- Delete Wish List

INVOICES:

- Invoice Create
- Invoice List

SSL-COMMARZ

- Payment Initiate
- Success Payment
- Cancel Payment
- Fail Payment
- IPN