

Made By MERN

# MERN 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:

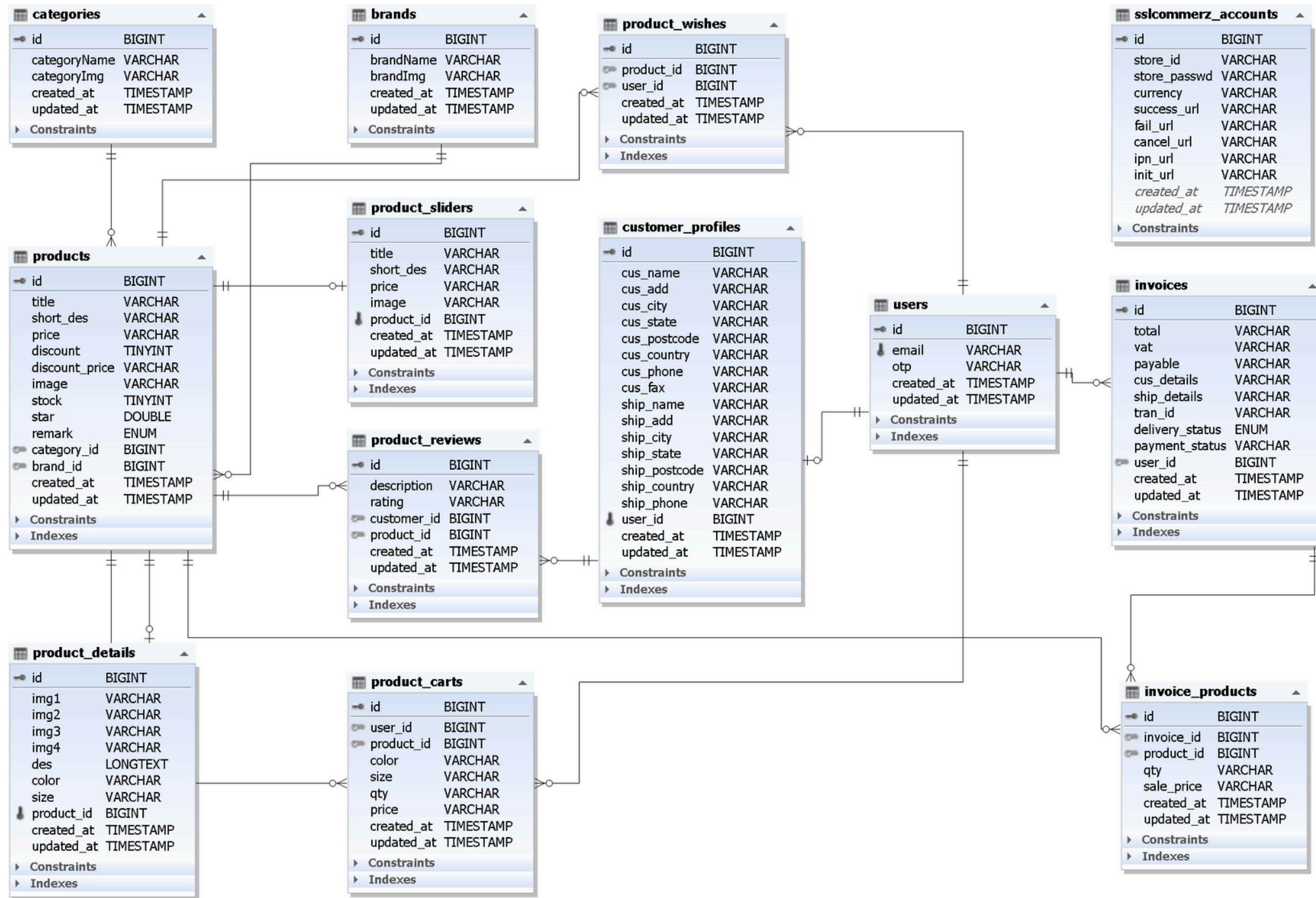
- Each invoice should list the products purchased in that transaction.
- The list should include product names, quantities, prices, and subtotal for each item.
- Totals should include subtotals, vat, and other charges.

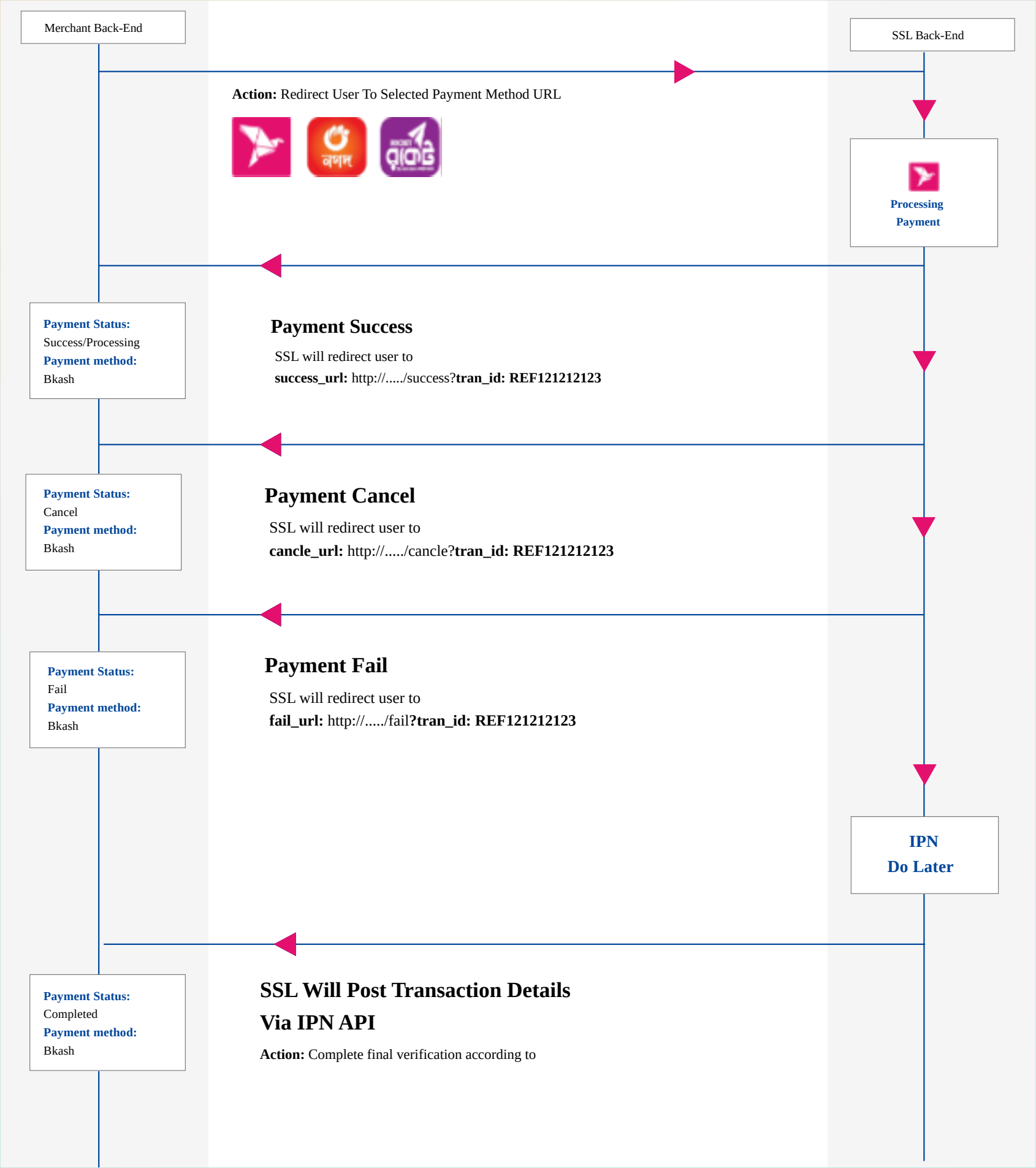
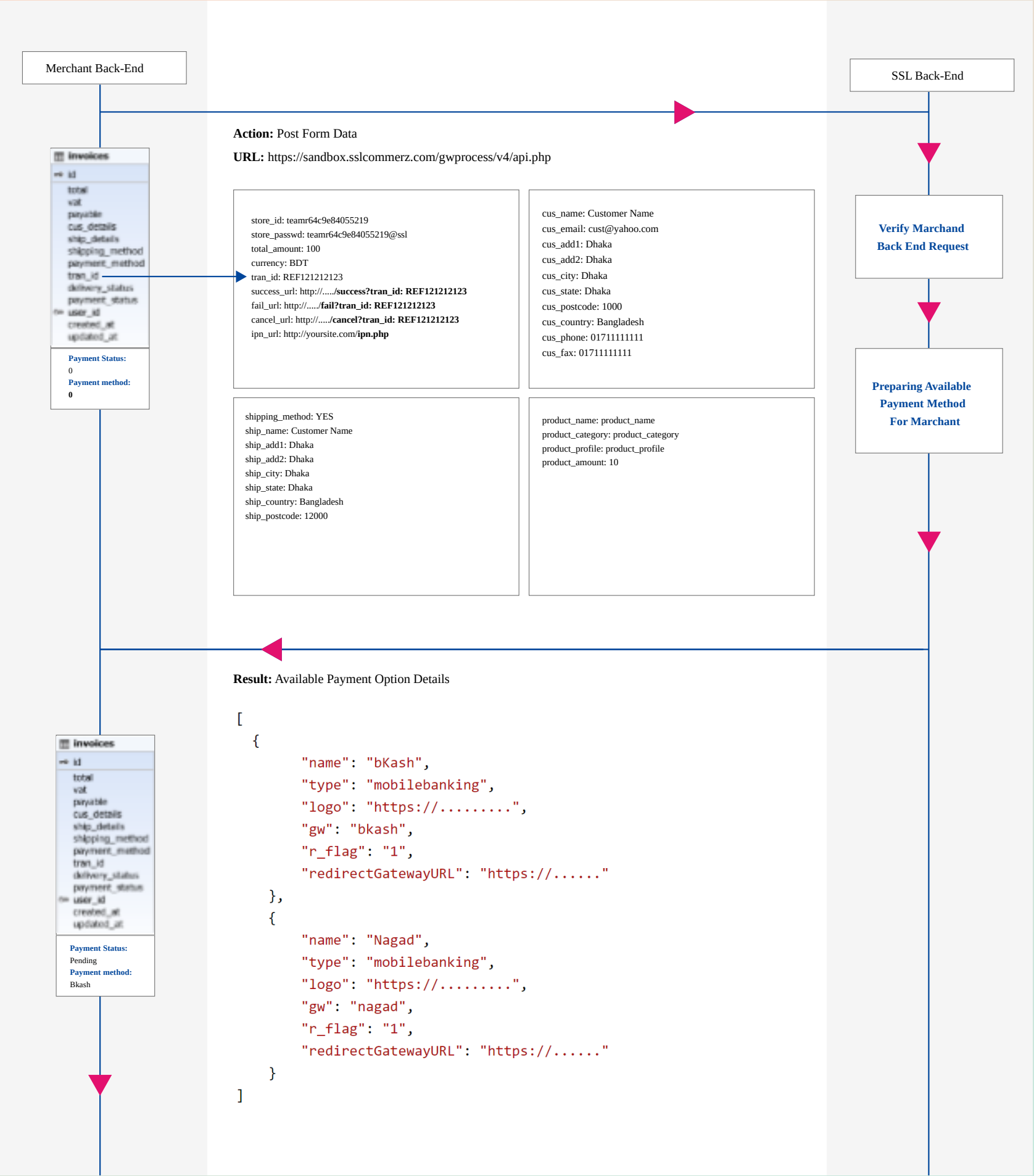
## SSLCOMMERZ PAYMENT GETWAY

- 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.

# Database Design









# Lets Develop The Rest API First

## BRANDS:

- Brand List

## CATEGORIES:

- Category List

## PRODUCTS:

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