**Use Case Diagram**

**A diagram of a company's flowchart

Description automatically generated**

**Use case Report**

**Actors:**

- Customer

- Admin

**Customer**:

-Register:

If a customer is new user, he can request to register page. A register page open and asks total information about customer and also asks to customer to choose login (email address) and password.

- Login

The customer can login by enter name and password. The system verifies the name and password matches. If not matches, error messages shows to the customer.

- Start Shopping (includes "view product" and "search products")

This use case describes the customer browsing the website to view products. It includes functionalities like browsing products by category or using the search function to find

specific products.

- View Product Details

This use case expands on the browse function, allowing the customer to see detailed information about a particular product, including descriptions, prices, and images.

-Manage Cart (includes "delete product" and "add product")

This use case allows the customer to manage the items in their shopping cart. They can delete unwanted items, update the quantities of desired products, and potentially view the total cost of their order.

- Check out

The customer completes the shopping he request to checkout. If the payment information exists the credit card information sends to Credit Verification Company. If credit card information not matches it shows enter valid information or cancel order. If the credit card is valid, the order form will be processed by the system and checkout is complete.

- Place Order

This use case represents the final step in the checkout process where the customer confirms their order.

- Make Payment (included in Checkout)

This use case involves the customer securely paying for their order using a credit card or other online payment method. It would likely connect to a separate payment processing system.

Admin:

- Login:

The admin can login by enter name and password. The system verifies the name and password matches. If not matches, error messages shows to the admin.

- Manage Products

This use case allows the admin to add, edit, and remove products from the website. This would include managing product descriptions, prices, images, and inventory levels.

- Manage Orders

This use case allows the admin to view, process, and fulfill customer orders. This may include marking orders as received, preparing orders for delivery or pick-up, and managing any returns or exchanges.

- Manage Promotions

This use case allows the admin to create and manage promotional offers such as discounts, coupons, and special bundles.

- Update Content

This use case allows the admin to edit website content such as product descriptions, store information, and contact details.

- Generate Reports

This use case allows the admin to generate reports on website traffic, sales figures, and customer behavior. This data can be used to gain insights into customer behavior and improve the website.

**Business Use Case Diagram**

**A screen shot of a computer screen

Description automatically generated**

**Class Diagram**

**A computer diagram with text and images

Description automatically generated with medium confidence**

**Functional Requirements**

**Product Management:**

* Users can browse a catalog of products offered by local businesses.
* Products should have detailed descriptions, including images, specifications, and variations (size, color, etc.).
* Inventory management system to track stock levels and prevent overselling.

**User Management:**

* + User registration and login functionalities.
  + User profiles to store addresses, preferences, and order history.
  + Display content and prices in the local currency.

**Search and Filtering:**

* + Users can search for products by keyword, category, or brand.
  + Ability to filter products based on price, category, availability, and other relevant attributes.

**Shopping Cart and Checkout:**

* + Users can add products to a shopping cart and adjust quantities.
  + Users can remove and clear products of the shopping cart.
  + Secure checkout process with various payment option

**Order Management:**

* + Order confirmation with detailed information.
  + Order tracking system for users to monitor order status.

**Communication and Reviews:**

* + Contact form to communicate.

**Non-Functional Requirements**

**Performance:**

* The platform should load quickly and be responsive across different devices (desktop, mobile, tablets).
* Ability to handle high traffic volumes during peak periods.

**Security:**

* Secure user authentication and data encryption to protect privacy.
* Compliance with relevant data security regulations.

**Scalability:**

* + The platform should be able to accommodate growth in users, products, and orders.
  + Easy integration of new features and functionalities.

**Usability:**

* + Users should be able to find what they need quickly and easily.
  + User-friendly interface with intuitive navigation and clear instructions.
  + Mobile-friendly and clear and consistent design