



```

    usecaseDiagram
        actor Client
        participant Login as 0.2 Login
        participant Register as 0.1 Register
        participant users as 0.1 users
        participant Admin as Admin

        Client->>Login: username, password
        Client->>Register: username, email, password, firstname, lastname, age, address, number, userType
        Login->>users: user_id, email, firstname, lastname, age, address, number
        Admin->>users: 
    
```

Product Details

```

    usecaseDiagram
        actor Client
        participant product_cat as 0.3 product_cat
        participant Browse as 0.3 Browse
        participant products as 0.2 products

        Client->>Browse: product name, product image, product desc, product cat name, product cat image, selling price, product cat name
        Browse->>product_cat: 
        Browse->>products: product id, product name, product image, city, product status, trending, product desc, product price, selling price, product added, product_cat_id
    
```

```

    usecaseDiagram
        actor Admin
        participant Products as 0.0 Products
        participant products as 0.2 products
        participant AddDisableCategory as 11.1 Add/Disable Category
        participant EditUpdateCategory as 11.2 Edit/Update Category
        participant AddDisableProducts as 10.1 Add/Disable Products
        participant EditUpdateProducts as 10.2 Edit/Update Products

        Admin --> AddDisableCategory
        Admin --> EditUpdateCategory
        Admin --> AddDisableProducts
        Admin --> EditUpdateProducts
        Admin --> products

        AddDisableCategory --> products
        EditUpdateCategory --> products
        AddDisableProducts --> products
        EditUpdateProducts --> products

        products --> Products

        products --> AddDisableCategory : product_cat_id
        products --> EditUpdateCategory : product_cat_id
        products --> AddDisableProducts : product_cat_name, product_name, product_desc, qty, product_status, product_price, selling_price, product_added, product_cat_id
        products --> EditUpdateProducts : product_cat_name, product_name, product_desc, qty, product_status, product_price, selling_price
    
```

The diagram illustrates the 'Admin Product Management' system. It features an actor 'Admin' and several use cases: '0.0 Products', '0.2 products', '11.1 Add/Disable Category', '11.2 Edit/Update Category', '10.1 Add/Disable Products', and '10.2 Edit/Update Products'. The 'Admin' actor interacts with all these use cases. The '0.2 products' use case acts as a central hub, receiving data from '11.1', '11.2', '10.1', and '10.2', and providing data to '0.0 Products'. Specific data flows are labeled: 'product_cat_id' from '0.2 products' to '11.1' and '11.2'; and a comprehensive set of product details from '0.2 products' to '10.1', and a subset of those details to '10.2'.

```

    usecaseDiagram
        actor Client
        usecase 0.4 as "0.4 add_to_cart"
        usecase 0.5 as "0.5 Order"
        usecase 0.6 as "0.6 shippers"
        usecase 0.7 as "0.7 products"
        usecase 0.5 as "0.5 payment_method"
        usecase 0.4 as "0.4 orders"

        Client->>0.4: username, password
        Client->>0.5: username, password
        0.4->>0.4orders: customer_id, product_id, product_cat_id, qty, order_phase
        0.5->>0.4orders: order_ref, number, customer_id, product_id, order_date, shipper_id, product_cat_id, qty, payment_method_id, gcash_acc_name, gcash_acc_num, secondary_receiver, secondary_address, gcash_amt, total_amt, amt_to_pay, shipping_tracking_num, order_phase
        0.5->>0.7products: product_name, product_image, qty, product status, trending, product desc, product price, selling price, product added, product_cat_id
        0.5->>0.6shippers: pick-up, jdt
        0.5->>0.5payment_method: gcash, cod
        0.4orders-->>0.4: 0.4
        0.7products-->>0.7: 0.7
  
```

```

    usecaseDiagram
        actor Client
        actor Admin
        participant 0.6 as Track Orders
        participant 0.4 as orders
        participant 0.7 as Set Order Phase
        participant 0.8 as Confirm/Decline Orders
        participant 0.7 as order_phase
        participant 0.2 as products
        participant 0.5 as payment_method
        participant 0.6 as shippers

        Client->>0.6: order_id, order_phase_id, payment_method_id, shippers_id
        0.6->>0.4: order_ref_number, product_id, order_date, shipper_id, product_cat_id, qty, payment_method, secondary_receiver, secondary_address, total_amt_to_pay, shipping_tracking_num, order_phase_id
        0.4->>0.7: order_phase_desc, order_phase_admin
        0.7->>0.8: pending, confirm, decline
        0.8->>0.4: order_id
        0.8->>Admin: confirm or decline?
        Admin->>0.7: 
        0.2->>0.6: product_name, product_image, product_desc, product_cat_name, product_cat_image, selling_price, product_cat_name
        0.5->>0.6: payment_method, payment_method_desc, payment_method_status
        0.6->>0.6: shipping_company
    
```

The diagram illustrates the following use cases and their interactions:

- 0.6 Track Orders**: Interacts with the **Client** (receiving `order_id, order_phase_id, payment_method_id, shippers_id`) and the **orders** use case (receiving `order_ref_number, product_id, order_date, shipper_id, product_cat_id, qty, payment_method, secondary_receiver, secondary_address, total_amt_to_pay, shipping_tracking_num, order_phase_id`).
- 0.4 orders**: Interacts with **Track Orders** (receiving data) and **Set Order Phase** (receiving `order_phase_desc, order_phase_admin`).
- 0.7 Set Order Phase**: Interacts with **orders** (receiving data) and **Admin** (receiving `pending, confirm, decline`).
- 0.8 Confirm/Decline Orders**: Interacts with **orders** (receiving `order_id`) and **Admin** (receiving `confirm or decline?`).
- 0.7 order_phase**: Interacts with **Track Orders** (receiving `order_phase_desc, order_phase_admin`).
- 0.2 products**: Interacts with **Track Orders** (receiving `product_name, product_image, product_desc, product_cat_name, product_cat_image, selling_price, product_cat_name`).
- 0.5 payment_method**: Interacts with **Track Orders** (receiving `payment_method, payment_method_desc, payment_method_status`).
- 0.6 shippers**: Interacts with **Track Orders** (receiving `shipping_company`).

```

classDiagram
    class orders {
        0.4
    }
    class ShowRevenue {
        0.5
    }
    class Admin {
        0.5
    }
    class TotalCategories {
        0.5
    }
    class product_cat {
        0.3
    }
    class TotalUsers {
        0.5
    }
    class users {
        0.3
    }
    class TotalProducts {
        0.5
    }
    class products {
        0.3
    }
    class PendingOrders {
        0.5
    }
    class Admin2 {
        0.5
    }

    orders --> ShowRevenue : order_date, total_amt_pay
    ShowRevenue --> Admin : daily, weekly, monthly, yearly revenue
    Admin --> TotalCategories : product_cat_id
    TotalCategories --> product_cat : product_cat_name, product_cat_img, product_cat_status
    product_cat --> TotalUsers : customer_id, user_type
    TotalUsers --> users : customer_id, user_type
    users --> products : product_id
    products --> TotalProducts : product_id
    TotalProducts --> PendingOrders : product_name, product_image, product_status
    PendingOrders --> Admin2 : product_name, product_image, product_status
    Admin2 --> Admin2 : product_name, product_image, product_status
  
```