Requirement 1: User Registration

Begin

      Display registration form

      Input Name

    Input Email

    Input PhoneNumber

    Input Password

    If (Name = null OR Email = null OR PhoneNumber = null OR Password = null)

      Display "Please fill in all required fields"

    Else

      If (Email already exists in database)

        Display "Email already registered"

      Else

        Store Name, Email, PhoneNumber, Password in database

        Display "Registration Successful"

      Endif

    Endif

End

Requirement 2: Browse menu & search

BEGIN

     DISPLAY Menu Categories

     USER selects Category

     FOR EACH item IN Category

         DISPLAY Item Name, Description, and Price

     ENDFOR

     IF User clicks "Add to Cart" THEN

       STORE Item_ID in Cart_Session

       UPDATE Cart Total

     END IF

END

Requirement 3: Shopping Cart Management (Add to cart)

BEGIN

    DISPLAY all items in Cart_Session

    CALCULATE Total_Price = Sum of (Item_Price * Quantity)

    DISPLAY Total_Price

    IF User chooses "Update Quantity" THEN

      INPUT New_Quantity

      IF New_Quantity > 0 THEN

         SET Item_Quantity = New_Quantity

      ELSE

         REMOVE Item from Cart

      END IF

      RECALCULATE Total_Price

ELSE IF User chooses "Remove Item" THEN

    DELETE Item from Cart_Session

    RECALCULATE Total_Price

ELSE IF User chooses "Checkout" THEN

    PROCEED to Payment Requirement

END IF

END

Requirement 4: Payment Process

```
START

  DISPLAY item in cart

  IF item in Cart_Session == null THEN

    DISPLAY "Error: You have no item in your cart"

  ELSE

    PaymentResponse = Gateway.Authorize(PaymentDetails, Total_Price)

  END IF

  IF PaymentResponse == "SUCCESS" THEN

    Transfer USER's money to VENDOR

    DISPLAY "Payment Successful!"

  ELSE

    DISPLAY "Payment Declined"

  END IF

END
```

Requirement 5: Order Tracking

Start

   Open apps/website

   Navigate to Order Tracking page

   IF user is logged in THEN

      Select order from Order History

   ELSE

      PROMPT user for Order ID and phone/email

   END IF

   IF order is found THEN

      FETCH current order status and ETA

      DISPLAY status and ETA to user

      WHILE order status is NOT "Delivered" AND NOT "Canceled" DO

         WAIT for update interval

         REFRESH order status

         IF status is updated THEN

            NOTIFY user

            DISPLAY new status

         ELSE

            CONTINUE

         END IF

         IF status is "Prepared" OR "Out for Delivery" THEN

            DISPLAY live status tracking

```
            END IF
        END WHILE


        DISPLAY final status ("Delivered" or "Canceled")

        DISPLAY receipt if available
    ELSE
        DISPLAY "Order not found" message
    END IF


END
```