Requirement 1: User Registration

start

display menu categories

user select registration

display registration form

input name, email,
phone_number, password

if all field filled —False→ display "please fill in all
required fields"

True

display "email already
exist" ←True— if email exist

False

save user data

display "registration
successful"

stop
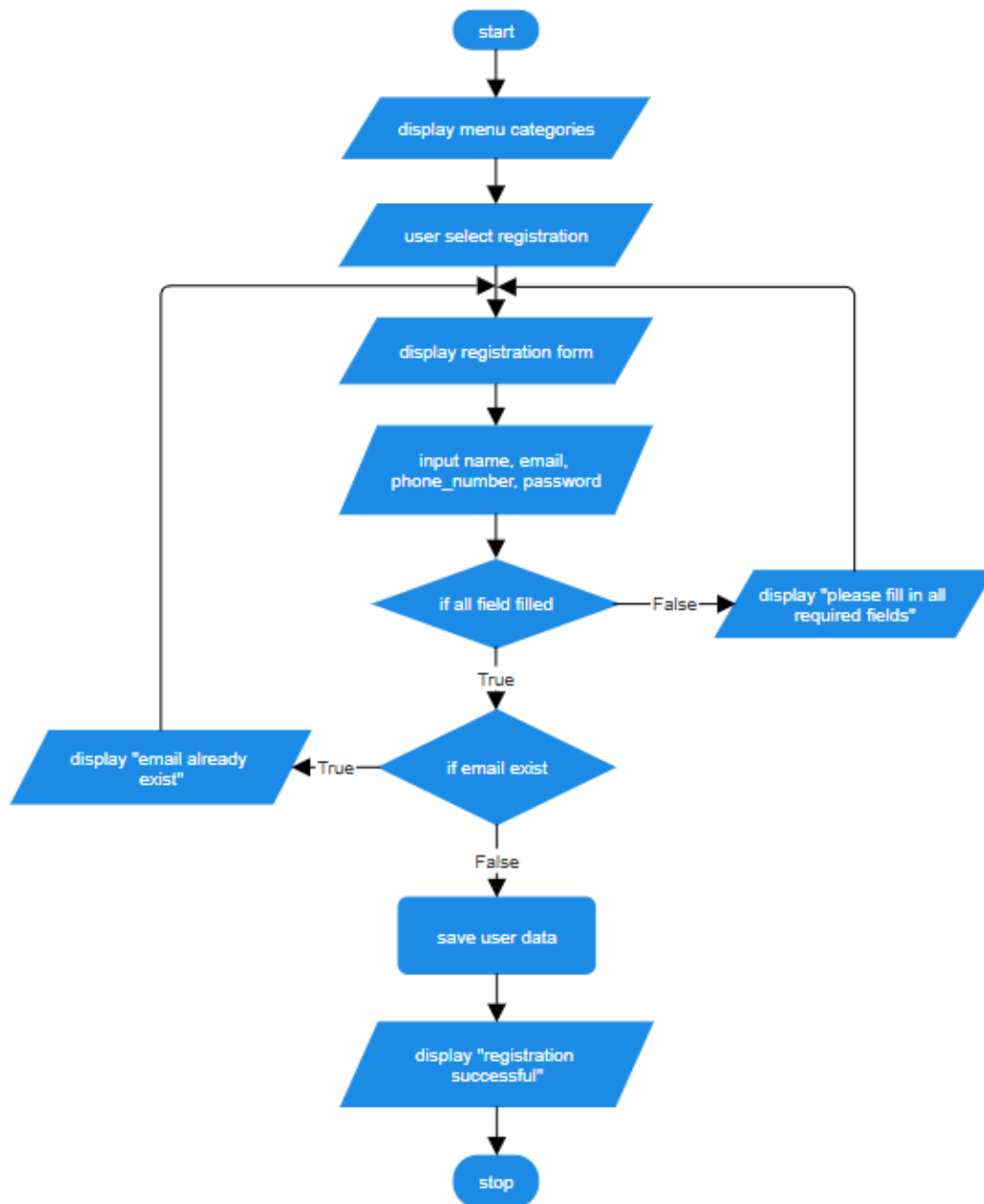
Requirement 2: Browse menu & search

Start

Display Menu Categories

User selects Category

For each item in Category

False

True

Display Item Name, Description and Price

User clicks "Add to Cart"

False

True

Store Item_ID in Cart_Session

Update Cart Total

Stop
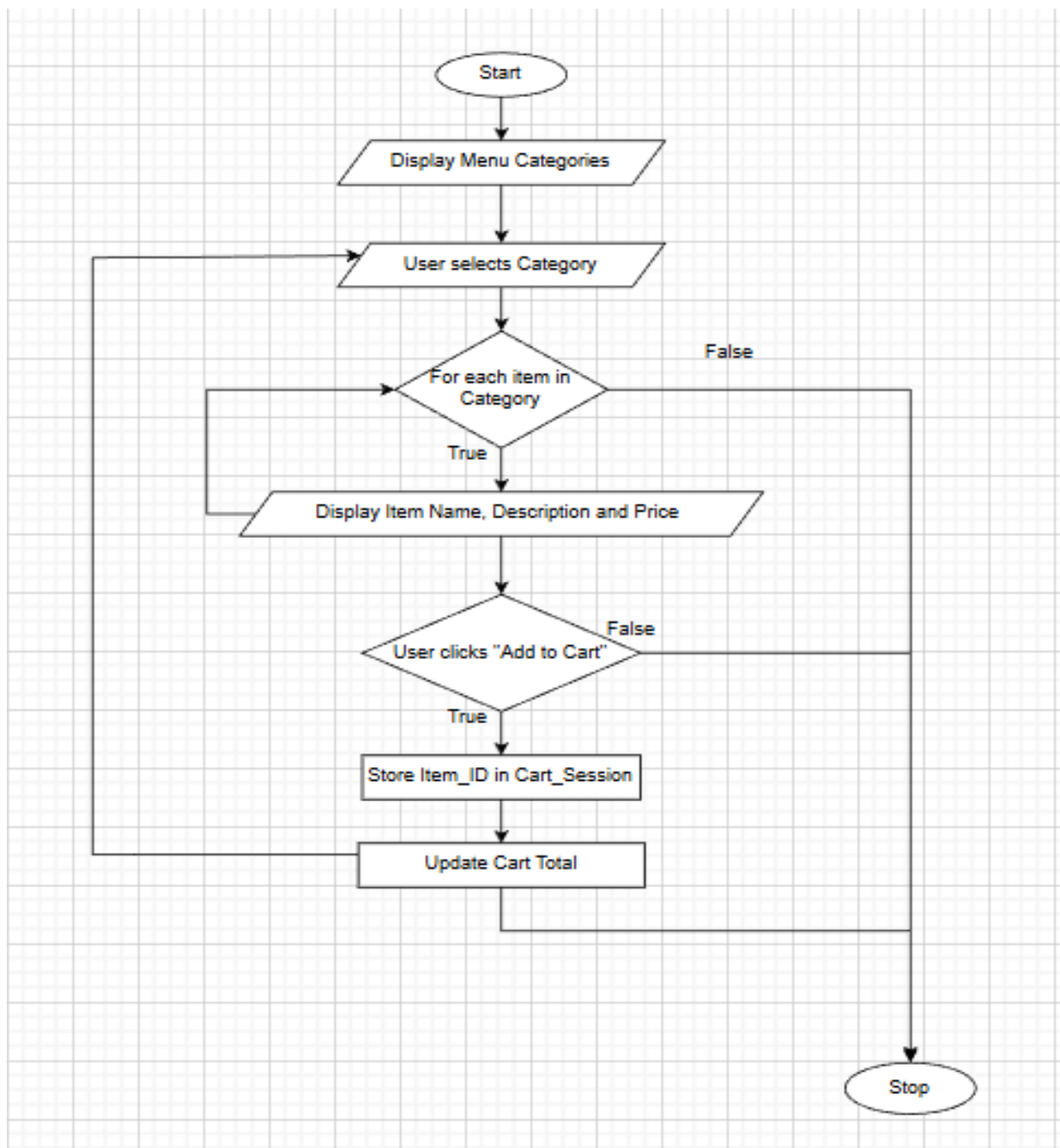
Requirement 3: Shopping Cart Management (Add to cart)
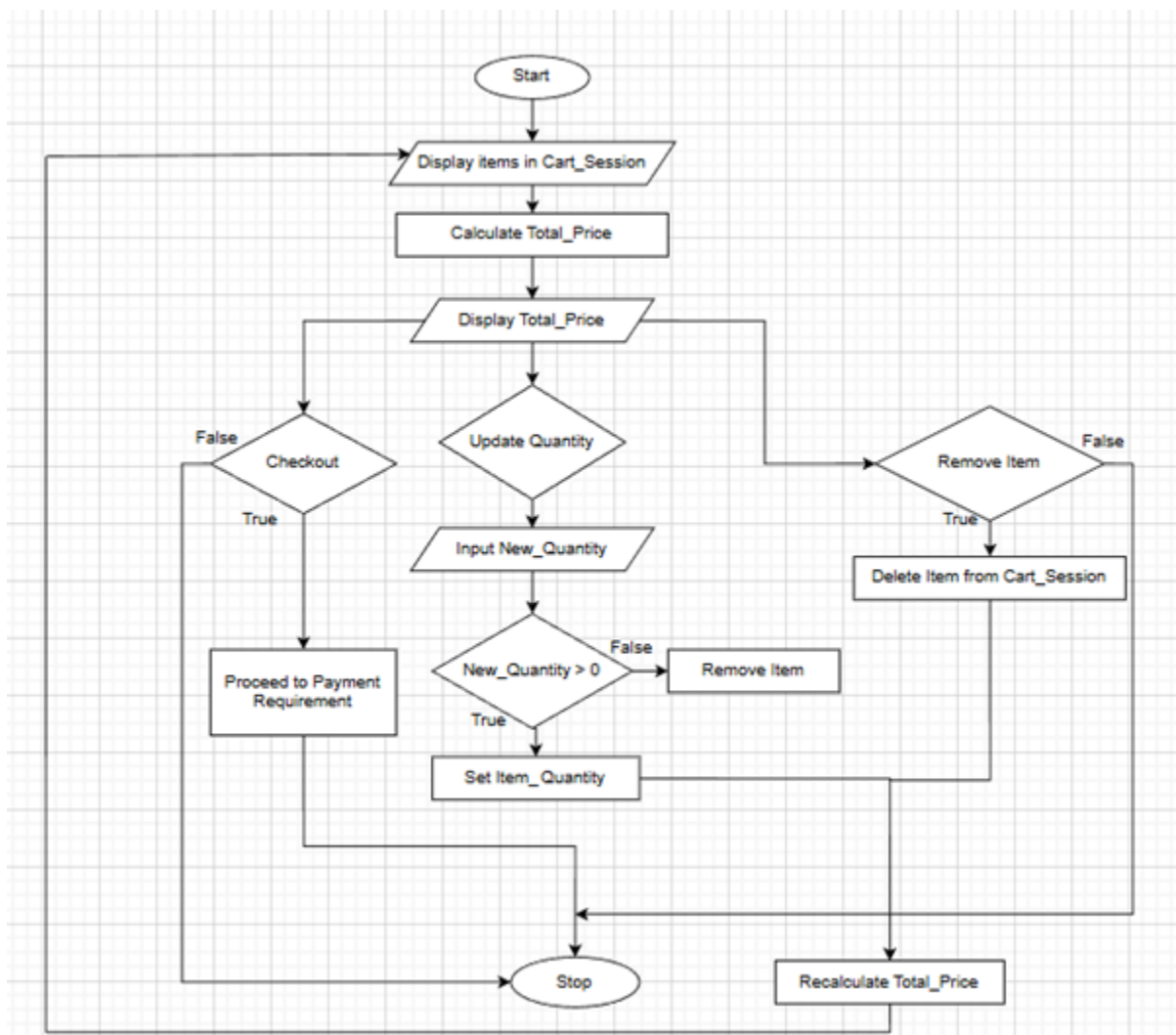
Requirement 4: Payment Process

START

DISPLAY item in Cart_Session

Cart_Session == null

Yes → DISPLAY "Error: You have no item in your cart" → END

No → PaymentResponse = Gateway.Authorize(PaymentDetails, Total_Price)

PaymentResponse == "SUCCESS"

Yes → PaymentResponse = Gateway.Authorize(PaymentDetails, Total_Price) → DISPLAY "Payment Declined"

No → DISPLAY "Payment Declined"

END
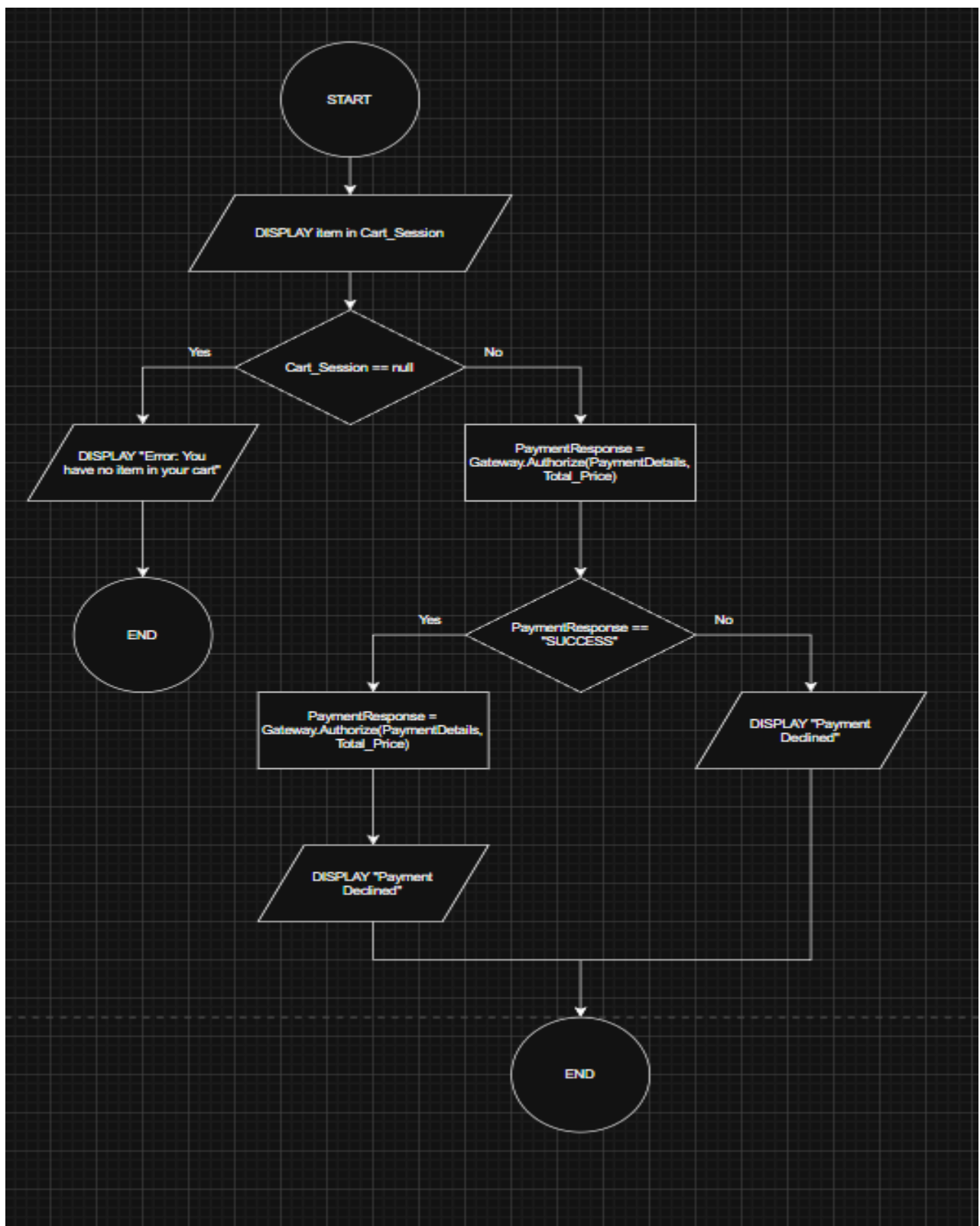
Requirement 5: Order Tracking