START

Display "Checkout Page"

Get customer details (name, address, payment information)

IF customer is a new user THEN

Create a new customer account

ENDIF

Display items in cart with their prices

Calculate total cost = SUM of item prices

Display total cost to the customer

Ask customer to choose payment method (Credit/Debit card, PayPal, etc.)

IF payment method is Credit/Debit card THEN

Ask for card details (card number, expiration date, CVV)

Validate card details

IF card details are valid THEN

Process payment

Display "Payment successful"

ELSE

Display "Invalid card details"

Ask for payment details again

ENDIF

ELSE IF payment method is PayPal THEN

Redirect to PayPal login

Process PayPal payment

Display "Payment successful"

ELSE

Display "Unsupported payment method"

END

ENDIF

Update inventory (reduce quantity of items purchased)

Generate invoice for customer

Send invoice to customer’s email

Display "Thank you for your purchase"

Display order summary (items purchased, shipping address, total cost)

END

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| Start |

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| Display Checkout |

| Page |

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| Get Customer Details (e.g., |

| name, address, payment) |

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| Is customer new? |

+----------------------+

| Yes | No

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| Create new account | | Continue checkout |

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| Display Cart Items|

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| Calculate Total |

| Cost |

+-------------------+

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| Display Total Cost|

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| Choose Payment Method |

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+---------------------------+

| Is Payment via Card? |

+---------------------------+

| Yes | No

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| Ask for card details | | Is Payment via |

| (card number, expiry) | | PayPal? |

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| | Yes | No

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| Validate card details | | Redirect to |

+----------------------------+ | PayPal and |

| Yes | No | | process payment |

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| Process Payment | | v

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| | | Process Payment |

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| Payment Successful | | v

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| | | Payment Successful|

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| Update Inventory | |

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| Generate Invoice | |

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| Send Invoice to | |

| Customer's Email | |

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| Thank You Message | |

| & Order Summary | |

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| End | |

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| Unsupported Payment |

| Method Error |

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