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| Name | Make a Payment | |
| Summary | Customer make the payment | |
| Priority | 1 | |
| Preconditions | * Customer is logged into their account * The customer has selected items and added them to the shopping cart. * total order amount has been calculated, including taxes, shipping, and discounts. | |
| Postconditions | * Payment status is updated in the system. * Order is ready for processing and fulfillment. * Customer receive confirmation notification. | |
| Primary Actor | Customer | |
| Secondary Actor | Payment Gateway | |
| Trigger | Customer clicks the “Proceed to Payment” button. | |
| Main Scenario | Step | Action |
|  | 1 | Customer reviews the order summary (items, quantity, total price, shipping details). |
|  | 2 | Customer confirms shipping address and selects preferred delivery method. |
|  | 3 | Customer selects a payment method (credit/debit card) |
|  | 4 | Customer enters the required payment details. |
|  | 5 | System validates payment information format (e.g., correct card number, CVV, expiration date). |
|  | 6 | Customer confirms payment. |
|  | 7 | System forwards payment request to the **Payment Gateway.** |
|  | 8 | Payment Gateway processes and verifies transaction (checks funds, fraud detection, authentication). |
|  | 9 | Payment Gateway returns success response. |
|  | 10 | System updates order status to **“Paid”.** |
|  | 11 | System generates a payment E receipt and confirmation message for the customer. |
|  | 12 | Notification system sends message confirmation to the customer with order and payment details. |
| Extensions | Step | Action |
|  | 4.a | If System detects incorrect card number, CVV, or expiry date. Customer is prompted to correct the information. |
|  | 8.a | If Payment Gateway declines the transaction. System notifies the customer with the reason |