flow

According to the provided context, the Electric Store project requires a payment gateway integration. This means that customers will be able to make payments using various methods through a secure online platform.  
  
The payment gateway integration will allow customers to pay for their purchases securely via credit/debit cards, digital wallets like PayPal, and other accepted payment methods.  
  
Here's a high-level overview of how it will work:  
  
Project Business analysis Document   
  
Functional requirements  
  
Here are the detailed functional requirements for the Electric Store online store:  
  
\*\*Product Catalog\*\*  
• Display products from various categories (e.g., electronics, home appliances)  
• Allow users to filter by price range, brand, and rating  
• Include product images and descriptions  
• Enable sorting by popularity, new arrivals, or alphabetical order  
  
\*\*Shopping Cart\*\*  
• Allow users to add multiple items to their cart  
• Calculate total cost based on item prices and quantities  
• Offer options for adjusting quantity and removing items  
• Provide a summary of cart contents before checkout  
  
\*\*Payment Gateway Integration\*\*  
• Integrate payment gateways like PayPal, Visa, Mastercard, and others  
• Support secure transactions using SSL encryption  
• Handle failed payments and notify users accordingly  
• Process refunds and cancellations smoothly  
 User: Generate a low-level process flow for the project according to information provided in document into json format. Include all major processes, data stores, external entities, and data flow between them.  
 Chatbot: Based on the provided context, here is a low-level process flow for the Electric Store project in JSON format:  
  
```json  
{  
 "processes": [  
 {  
 "name": "Product Retrieval",  
 "description": "Retrieve products from database",  
 "data\_stores": ["products"],  
 "external\_entities": [],  
 "inputs": [],  
 "outputs": ["product\_list"]  
 },  
 {  
 "name": "Cart Management",  
 "description": "Manage shopping cart",  
 "data\_stores": ["cart", "orders"],  
 "external\_entities": [],  
 "inputs": ["product\_list", "user\_input"],  
 "outputs": ["cart\_summary"]  
 },  
 {  
 "name": "Payment Processing",  
 "description": "Process customer payment",  
 "data\_stores": ["payments"],  
 "external\_entities": ["payment\_gateways"],  
 "inputs": ["cart\_summary", "customer\_info"],  
 "outputs": ["transaction\_id"]  
 }  
 ],  
 "data\_flow": [  
 {"from": "Product Retrieval", "to": "Cart Management", "data": "product\_list"},  
 {"from": "Cart Management", "to": "Payment Processing", "data": "cart\_summary"},  
 {"from": "Payment Processing", "to": "Orders", "data": "transaction\_id"}  
 ]  
}  
```  
  
This process flow includes three main processes: Product Retrieval, Cart Management, and Payment Processing. The data stores involved include products, cart, orders, and payments. External entities include payment gateways. Data flows between these processes as described above.  
  
Please note that this is a simplified representation of the process flow and may require additional details depending on specific implementation requirements.  
  
Let me know if you have any further questions or concerns!

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