

# E-commerce Payment Integration Flow with Paystack

## System Architecture Diagram

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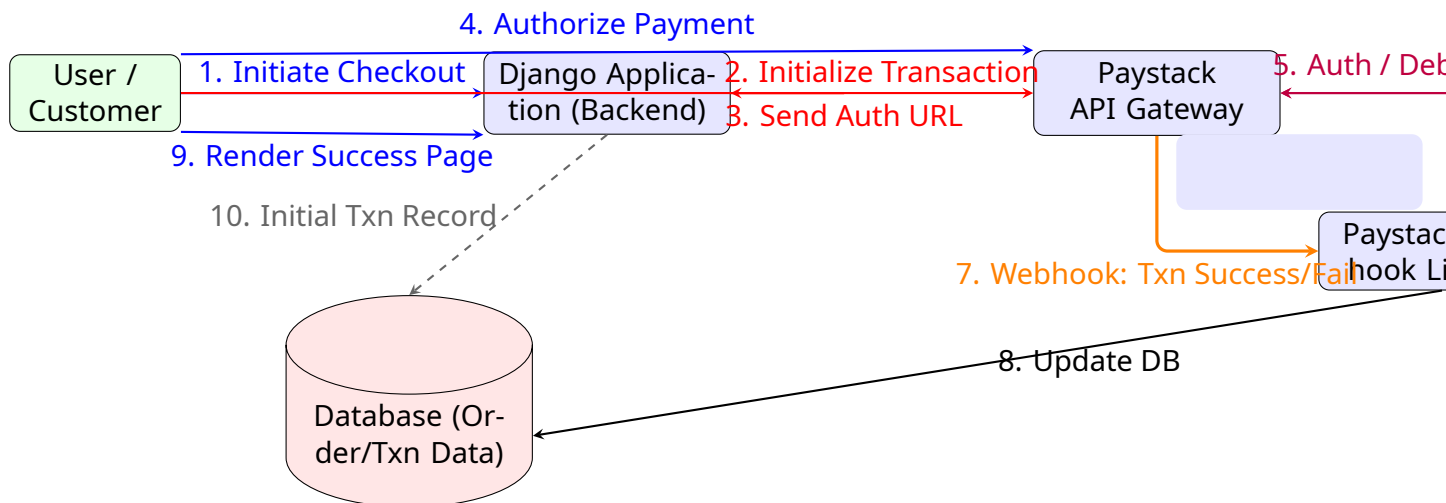


Figure 1: Conceptual flow of an E-commerce payment via Paystack integrated with a Django backend.

## Key Integration Steps

- **Initialization:** The Django application calls the Paystack API to create a unique transaction and get an authorization URL or code.
- **Authorization:** The User completes the payment process (e.g., enters card details) on the Paystack interface (often embedded as an iframe or pop-up).
- **Webhooks:** This is the most critical step. Paystack sends a server-to-server POST request (the Webhook) to the Django application to confirm the final status of the transaction. This avoids relying solely on browser redirects which can be unreliable.
- **Verification:** Upon receiving the webhook, the Django application verifies the status with Paystack and updates the local Database.