

Field	Description
Introduction	This sequence diagram details the technical handshake between the Sho8la Backend and the Paymob API. It focuses on the asynchronous "Webhook" mechanism used to confirm payments.
Objectives	<ol style="list-style-type: none"><li>1. To map the API calls required to initiate a secure transaction.</li><li>2. To specify how the system listens for the "Transaction Approved" signal from Paymob.</li><li>3. To ensure database consistency when updating the Escrow balance.</li></ol>
Functional Requirements	<ol style="list-style-type: none"><li>1. The Backend must generate a payment key via Paymob's Authentication API.</li><li>2. The system must expose a secure Webhook endpoint to receive status updates.</li><li>3. The Database must record a "Held" transaction linked to the specific Job ID.</li></ol>
Non-Functional Requirements	<p><b>Integrity:</b> The system must verify the HMAC signature of the Webhook to prevent spoofing.</p> <p><b>Auditability:</b> All financial logs must be immutable for future auditing.</p>