# Button Functional Logic for AI Multi-Vendor E-Commerce Platform

| Category | Button / Action | Functional Implementation Logic | Relevant Timestamp |
|---|---|---|---|
| I. Customer / User Functionality | Login / Continue with Google | Initiates authentication via Supabase Auth. On success, establishes user session and up... | [00:04:41] |
| I. Customer / User Functionality | Increase / Decrease Quantity (Cart) | Updates product quantity in Supabase cart table in real-time and calculates subtotal. | [00:02:30] |
| I. Customer / User Functionality | Apply Coupon Code | Validates coupon via Coupons table. Checks expiry, usage, eligibility, and updates check... | [00:09:18] [00:08:50] |
| I. Customer / User Functionality | Add Address (Form) | Saves new address details in the user's Addresses table for... | [00:03:04] |
| I. Customer / User Functionality | Place Order | Creates a new record in Orders table (status=Placed), clears cart table, and notifi... | [00:03:25] |
| I. Customer / User Functionality | Find Logistics Service | Displays available logistics partners from Logistics table for user or vendor selection and... | |
| I. Customer / User Functionality | Delete Account | Executes Supabase function to delete user record and associated data after confirmation... | [00:10:28] |
| II. Seller Functionality | Add Product (Image Upload) | Uploads image to Supabase Storage, sends to Google Gemini API, AI-based product... | [00:04:12] [00:05:57] |
| II. Seller Functionality | Add Product (Submit) | Inserts new product into Products table linked to seller's Store with all details. | [00:04:46] |
| II. Seller Functionality | Mark Product Unavailable / Out of Stock | Updates product status to Unavailable in database, hiding it from public storefront. | [00:05:01] |
| II. Seller Functionality | Find Logistics Partner | Fetches logistics providers from Logistics table and links them. New seller orders for delivery... | |
| III. Admin Functionality | Deactivate Store | Sets store status to Inactive in Stores table, removing it from... but keeping data | [00:05:55] |
| III. Admin Functionality | Approve Store | Updates store status from Pending to Active and notifies owner via Supabase notification... | [00:06:33] |
| III. Admin Functionality | Create Coupon | Inserts new coupon in Coupons table with code, discount, expiry, and target audience de... | [00:06:17] |