📦 Replit Prompt — Add Product Catalog + Product Details (using brochure data)

Context

Site skeleton already exists. Add a catalog, product detail pages, client-side cart, and Formspree checkout (no payments). Use the attached brochure as the canonical product source; product specs below were extracted directly from the uploaded PDF. Do not change product claims/technical specs without owner approval. Source: product brochure (uploaded PDF).

Formspree endpoint placeholder: FORM\_SPM\_ENDPOINT=https://formspree.io/f/meorgyae (owner will supply actual endpoint)

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🔎 Product data (copy-pasteable JSON objects)

Use these product objects as the canonical product catalog. Fill in images[] and datasheetUrl when assets are provided.

[

{

"id": "milk-opindo-combo",

"slug": "opindo-combo-milk-analyser",

"title": "OPINDO COMBO Milk Analyser",

"shortDesc": "Rapid, comprehensive milk analysis — fat, protein, lactose, SNF, density, added water, freezing point, salts.",

"longDesc": "OPINDO COMBO is a fast, accurate milk analyser for dairy farms, milk collection centers and labs. Rapid analysis (~30s) and USB/RS232 data output make it ideal for field and lab use. Built-in ultrasonic stirrer and easy-to-read display simplify operation.",

"specs": {

"measurementTime": "≈ 30 seconds per sample",

"sampleVolume": "15–20 ml",

"powerSupply": "12.8 V 6.8Ah (with 15V 1A charger)",

"dimensions": "190 x 170 x 140 mm",

"weight": "≈ 4–5 kg",

"measuredParameters": {

"fat": "0.01% - 15% (±0.1%)",

"protein": "2% - 7% (±0.10%)",

"lactose": "0.01% - 6% (±0.10%)",

"SNF": "3% - 12% (±0.15%)",

"density": "1015 - 1040 kg/m³ (±0.3 kg/m³)",

"addedWater": "0% - 70% (±3%)",

"freezingPoint": "-0.4 to -0.7°C (±0.01°C)",

"salts": "0.4% - 1.5% (±0.05%)"

},

"connectivity": ["USB", "RS232"],

"features": ["Ultrasonic stirrer", "LCD display", "Field-ready"]

},

"datasheetUrl": null,

"images": [],

"price": null,

"category": "Milk Analyzer",

"source": "Brochure"

},

{

"id": "milk-opindo-standard",

"slug": "opindo-milk-analyser",

"title": "OPINDO Milk Analyser",

"shortDesc": "Fast milk analysis with user-friendly interface and ultrasonic stirrer — for farms, collection centers and labs.",

"longDesc": "OPINDO Milk Analyser provides rapid measurements with a compact form factor and optional battery power. Accurate readings and data management via USB/RS232.",

"specs": {

"measurementTime": "≈ 30 seconds per sample",

"sampleVolume": "15–20 ml",

"powerSupply": "12V DC 5A adaptor (battery available)",

"dimensions": "190 x 170 x 140 mm",

"weight": "≈ 2–3 kg",

"measuredParameters": {

"fat": "0.01% - 15% (±0.1%)",

"protein": "2% - 7% (±0.10%)",

"lactose": "0.01% - 6% (±0.10%)",

"SNF": "3% - 12% (±0.15%)",

"density": "1015 - 1040 kg/m³ (±0.3 kg/m³)",

"addedWater": "0% - 70% (±3%)",

"freezingPoint": "-0.4 to -0.7°C (±0.01°C)",

"salts": "0.4% - 1.5% (±0.05%)"

},

"connectivity": ["USB", "RS232"],

"features": ["Ultrasonic stirrer", "LCD display", "Battery option"]

},

"datasheetUrl": null,

"images": [],

"price": null,

"category": "Milk Analyzer",

"source": "Brochure"

},

{

"id": "milk-expert-pro-plus",

"slug": "expert-pro-plus-milk-analyser",

"title": "EXPERT PRO PLUS Milk Analyser",

"shortDesc": "High-speed milk analyzer with ~17 seconds measurement time and comprehensive parameters.",

"longDesc": "EXPERT PRO PLUS offers ultra-fast measurements (~17s per sample) with the same broad parameter coverage as other analyzers — designed for high throughput environments.",

"specs": {

"measurementTime": "≈ 17 seconds per sample",

"sampleVolume": "15–20 ml",

"powerSupply": "12V DC 5A adaptor (battery available)",

"dimensions": "190 x 110 x 140 mm",

"weight": "≈ 2–3 kg",

"measuredParameters": {

"fat": "0.01% - 15% (±0.1%)",

"protein": "2% - 7% (±0.10%)",

"lactose": "0.01% - 6% (±0.10%)",

"SNF": "3% - 12% (±0.15%)",

"density": "1015 - 1040 kg/m³ (±0.3 kg/m³)",

"addedWater": "0% - 70% (±3%)",

"freezingPoint": "-0.4 to -0.7°C (±0.01°C)",

"salts": "0.4% - 1.5% (±0.05%)"

},

"connectivity": ["USB", "RS232"],

"features": ["Ultrasonic stirrer", "LCD display", "High throughput"]

},

"datasheetUrl": null,

"images": [],

"price": null,

"category": "Milk Analyzer",

"source": "Brochure"

},

{

"id": "optek-dpu-printer",

"slug": "optek-dpu-dot-matrix-printer",

"title": "OPTEK DPU (Dot Matrix Printer Unit)",

"shortDesc": "Robust dot-matrix printer unit for industrial/commercial environments — multiple connectivity options and durable build.",

"longDesc": "OPTEK Dot Matrix Printer Unit is built for high-reliability printing in industrial settings. Supports multiple interfaces, wide paper handling, and long-life components for reduced downtime.",

"specs": {

"printingMethod": "Dot Matrix Impact",

"printSpeed": "Up to 4 lines per second",

"printWidth": "42–48 columns (model dependent)",

"dotDensity": "80 dots per line",

"paperSupport": "58 mm or 76 mm roll paper",

"interfaces": ["Serial RS-232C", "Parallel (Centronics)", "USB", "optional Ethernet"],

"powerSupply": "100–240 V AC",

"physical": "≈160 x 248 x 143 mm; weight 1.5–2.5 kg"

},

"datasheetUrl": null,

"images": [],

"price": null,

"category": "Peripherals / DPU",

"source": "Brochure"

},

{

"id": "maxtron-weighing-scale",

"slug": "maxtron-weighing-scale",

"title": "Maxtron Weighing Scale",

"shortDesc": "Precision weighing scale for industrial/commercial use up to 200 kg with optional battery operation.",

"longDesc": "Maxtron scale delivers high accuracy and durability with different platform sizes and connectivity options for integration with data systems.",

"specs": {

"maxCapacity": "200 kg",

"minCapacity": "1 kg",

"readability": "50 g",

"accuracy": "±0.05%",

"platformSize": "500 x 500 mm",

"display": "Digital LED, 6 digits",

"power": "Mains (110/220 V AC) + rechargeable battery option",

"connectivity": ["RS232", "USB (optional)"],

"dimensions": "400 x 400 x 100 mm",

"weight": "10–15 kg",

"compliance": ["OIML", "NTEP", "CE", "ISO (if available)"]

},

"datasheetUrl": null,

"images": [],

"price": null,

"category": "Scales",

"source": "Brochure"

},

{

"id": "ultrasonic-milk-stirrer",

"slug": "ultrasonic-milk-vibrator",

"title": "Ultrasonic Milk Vibrator (Milk Stirrer)",

"shortDesc": "Handheld ultrasonic milk vibrator for mixing/homogenization — powerful mixing with variable intensity control.",

"longDesc": "High-power ultrasonic vibrator designed for effective mixing and homogenization in milk processing. Stainless-steel probe, variable intensity control, and portable design.",

"specs": {

"frequency": "20 kHz",

"powerOutput": "300 W",

"intensityRange": "0–100%",

"probe": "Shaft length 500 mm; probe diameter 12 mm",

"construction": "Stainless steel probe; ergonomic handle",

"powerSupply": "100–240 V AC",

"weight": "≈ 3 kg",

"dimensions": "13 x 10 x 25 cm"

},

"datasheetUrl": null,

"images": [],

"price": null,

"category": "Accessories",

"source": "Brochure"

},

{

"id": "remote-display",

"slug": "remote-display-milk-collection",

"title": "Remote Display for Milk Collection",

"shortDesc": "LED/LCD remote display for real-time visibility of weight and quality metrics during milk collection.",

"longDesc": "Remote display provides farmers and operators with real-time readouts of milk weight and quality metrics. Weatherproof enclosure available for outdoor use and simple integration with DPUs and scales.",

"specs": {

"displayType": "LED 7-segment multi-line",

"connectivity": "Wired RS232",

"powerSupply": "110–240 V AC",

"enclosure": "Weatherproof industrial grade",

"dimensions": "15 x 2 x 22 cm (approx)"

},

"datasheetUrl": null,

"images": [],

"price": null,

"category": "Peripherals / Displays",

"source": "Brochure"

}

]

> Notes:

All product specs above were extracted from the brochure you uploaded. Source: uploaded PDF product brochure.

price fields are null to indicate “Contact for price” — show that copy on UI until owner provides prices.

datasheetUrl and images[] must be filled once owner supplies assets.

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🧩 Implementation instructions (catalog & checkout — condensed)

Use the previous e-commerce prompt you already have, but replace the product list with the canonical JSON above. Key points (repeat for clarity):

Catalog page: show all products (image, title, 3 bullets pulled from specs, “Contact for price” if price is null). Buttons: View details / Add to cart.

Product detail: show longDesc, full specs as table, gallery, download datasheet (if datasheetUrl present), Add to cart with quantity. Include Product JSON-LD (use the specs to populate sku, manufacturer, offers if price available).

Cart: client-side (localStorage), mini-cart + /cart page.

Checkout: single-step form posting to FORM\_SPM\_ENDPOINT. Include order summary + generated order id. Clear cart on success.

Email payload: include full order details (see earlier prompt).

Anti-spam: include honeypot and timestamp check.

UX polish: toast confirmations, gallery lightbox, accessible forms, cart badge updates, persistent cart.

SEO: unique title/meta for each product page; add Product JSON-LD; include og:image (use first images[0] or default).

Accessibility: alt text for images, keyboard focus management, aria labels for cart and forms.

Testing: perform and document test flows (add, update, checkout), attach screenshots and sample Formspree email to info@severalsustain.in.

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✅ Acceptance criteria (abbreviated)

Catalog shows all products from the JSON list with correct short descs and bullets.

Product pages include full specs and a working Add to cart.

Cart persists, allows updates, and leads to checkout form that submits to Formspree.

Emails received at info@severalsustain.in contain full order payload in a clear format.

All pages comply with accessibility and SEO requirements in the main prompt.

Missing product assets and datasheets reported in PR.

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📌 Deliverables to include with PR

1. New/updated product JSON file (e.g., /data/products.json).

2. Catalog page /shop or /products.

3. Product detail routes (e.g., /product/[slug]).

4. Cart & Checkout pages + Formspree wiring.

5. README changes: how to update product JSON, how to set FORM\_SPM\_ENDPOINT, and how to add images/datasheets.

6. QA screenshots showing successful Formspree email to info@severalsustain.in.

7. List of missing assets (images, datasheets).