Clean catalog data.
Keep the uncertain parts visible.

U-Shop: preparing a legacy store catalog for review before products can be sold.

The problem

A convenience-store ordering app needs reliable product records. A point-of-sale export can contain duplicate rows, conflicting prices, ambiguous store assignments and unusable stock values. Silently choosing a value would make the app look ready while hiding a decision the store still needs to make.

The workflow

The existing preparation tool groups records by **store + SKU**, preserves the original source rows, and separates equivalent duplicates from conflicts. Prepared products remain unavailable for purchase until a separate review and release process approves them.

Concrete checks against the existing implementation

SYNTHETIC INPUT	OBSERVED OUTPUT
Two identical Cola records SKU 0001, $2.49 Source rows 8 and 9	One prepared product retains both original rows. The merge removes repetition without losing provenance.
Same store and SKU 0002 Different names; $1.99 and $2.99	Both records go to review with **conflicting_sku**. Neither becomes a prepared product.
Inventory value of -7	The source value remains visible. Prepared quantity is unknown, stock is unavailable, and a warning explains the change.
SKU 0100 in two stores U-Shop $2.49; The Den $3.49	Two separate products retain their own prices. No false cross-store conflict; both still require review.

Verification and limits

Seven existing tests passed on November 14, 2026. A separate check confirmed the same-SKU, different-store example above. Other covered behavior includes explicit store routing, rejected zero-price records, deterministic exports and refusal to overwrite an existing output directory.

U-Shop is a pre-release project; it has not launched. These local checks use synthetic fixtures and do not establish live catalog accuracy, database-import correctness, production adoption or measured time savings. No store data was changed.

Evidence and contribution

Built with AI coding assistance. Codex prepared this review from the existing implementation and reran the checks; it is not an unaided coding assessment. Source: `scripts/prepare-legacy-catalog-import.mjs` and `tests/prepare-legacy-catalog-import.test.mjs` in the U-Shop repository.