**PDF → PNG review loop with mgs
(for Ai)**

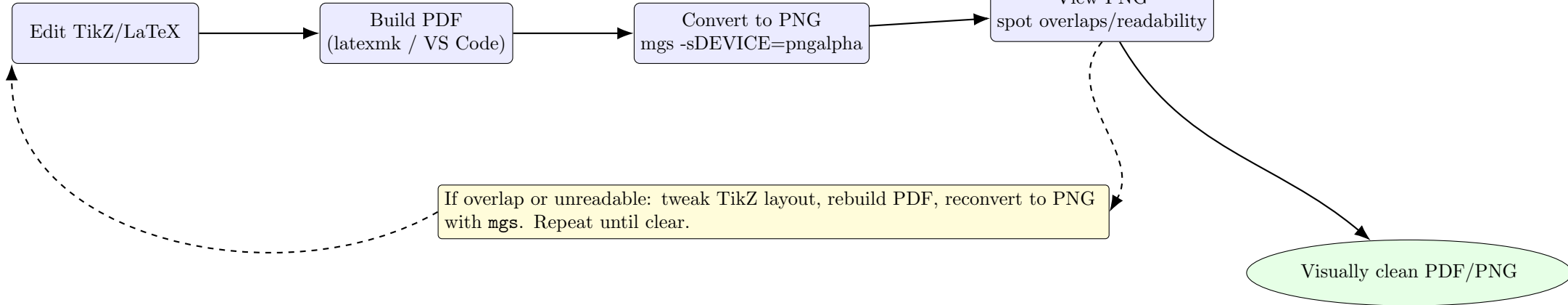Edit TikZ/LaTeX → Build PDF (latexmk / VS Code) → Convert to PNG mgs -sDEVICE=pngalpha → View PNG spot overlaps/readability
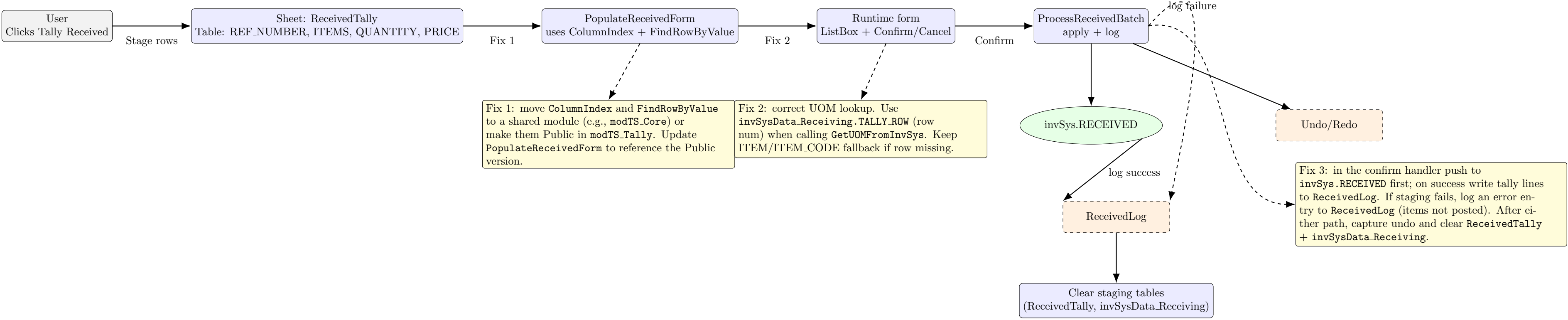
If overlap or unreadable: tweak TikZ layout, rebuild PDF, reconvert to PNG with `mgs`. Repeat until clear.

Visually clean PDF/PNG

Build LaTeX project
(latexmk / VS Code)

Tally Received fix proposal (addresses ColumnIndex compile error and UOM lookup)

User
Clicks Tally Received

— Stage rows →

Sheet: ReceivedTally
Table: REF_NUMBER, ITEMS, QUANTITY, PRICE

— Fix 1 →

PopulateReceivedForm
uses ColumnIndex + FindRowByValue

— Fix 2 →

Runtime form
ListBox + Confirm/Cancel

— Confirm →

ProcessReceivedBatch
apply + log

log failure

Fix 1: move `ColumnIndex` and `FindRowByValue` to a shared module (e.g., `modTS_Core`) or make them Public in `modTS_Tally`. Update `PopulateReceivedForm` to reference the Public version.

Fix 2: correct UOM lookup. Use `invSysData_Receiving.TALLY_ROW` (row num) when calling `GetUOMFromInvSys`. Keep ITEM/ITEM_CODE fallback if row missing.

invSys.RECEIVED

— log success →

ReceivedLog

Undo/Redo

Fix 3: in the confirm handler push to `invSys.RECEIVED` first; on success write tally lines to `ReceivedLog`. If staging fails, log an error entry to `ReceivedLog` (items not posted). After either path, capture undo and clear `ReceivedTally` + `invSysData_Receiving`.

Clear staging tables
(ReceivedTally, invSysData_Receiving)

Legend
Actor (user click)
Process / macro
Data table
Log / undo
Fix note

RecievedTally list object → invSysData_Receiving lookups (ROW/UOM/etc) → Tally Received button ↔ Aggregated tally list (new list object)

Aggregated tally list (new list object) — Confirm (if happy) → Confirm writes → invSys.RECEIVED

create aggregated list → Undo/edit then re-tally

undo aggregated list

redo posted rows

undo staging

Undo/edit then re-tally

Redo last macro

undo log entry

redo log entry

redo posted rows

ReceivedLog

Confirm: validate; write invSys.RECEIVED + Received-Log; clear staging tables.

Edit aggregated list (ITEM, QTY, UOM, PRICE, ITEM_CODE, ROW). Columns resize; inherits invSys list UX.

Undo/edit: adjust tally rows, re-tally.

Redo: reapply last undone macro (staged rows and posted log/received rows).