

Review & Closure Status – Implementation Plan

Objective

Add Review and Closure Status tracking across Discovery Portal (BRD + Project Management/RAID) with auto-save, filtering, and comments.

Scope Summary

Area	New Capabilities
Review Status (BRD + PM)	pending_review, approved, rejected
Closure Status (PM only)	pending_resolution, resolved, ignored
Comments (PM only)	Text input (only enabled when review = approved)
Filtering	BRD/RAID tables support filtering by review/closure status
Auto-save	Debounce (1–2s), snackbar confirmation
UI Logic	Disable closure/comments until review = approved

Implementation Phases

Step 1 – Database Migration (Backend / DevOps)

Modify `initialize_discovery_tables` in `discovery_db_manager.py`. Add columns `due_review_status`, `due_closure_status`, `due_comments` using idempotent `ALTER TABLE` logic.

Step 2 – Backend API Updates (Backend)

Extend `update_extraction_status` and `get_unified_extractions_by_workspace` with `review_status`, `closure_status`, `comments`. Update extraction API endpoints for BRD and RAID.

Step 3 – Frontend API Integration (Frontend)

Add `extractionAPI.updateStatus(payload)` to `POST /discovery/extractions/update-status`.

Step 4 – Reusable UI Components (Frontend)

Create `StatusDropdown` and `CommentsInput` with `debounce` and `snackbar` feedback.

Step 5 – Table Integration (Frontend)

Integrate new columns (Review, Closure, Comments) in `GenericBRDTable` with optimistic UI updates.

Step 6 – Section Builder Integration (Frontend)

Enable/disable logic per section. Closure/comments only active when review = approved.

Step 7 – Filters in BRD/RAID Views (Frontend)

Add dropdown filters for review and closure status.

Step 8 – QA & UAT (QA / PM)

End-to-end validation of API, UI, filters, and permissions.

Recommended Timeline

Phase	Owner	Duration
DB Migration	Backend	0.5 day
Backend API	Backend	1.5 days
Frontend API	Frontend	0.5 day
UI Components	Frontend	1 day
Table Integration	Frontend	1 day
Filters & Wire-up	Frontend	1 day
QA / UAT	QA	1 day
Total	—	~6 days