

# 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	Debounced (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