

Deep Reflections Field Mapping Fix Summary

Problem Identified

The Deep Reflections feature was experiencing RLS (Row Level Security) errors when trying to save reflections. The root cause was **incorrect field mappings** between the application code and the database schema.

Database Schema vs. App Code Mismatch:

Database Field	App Code Field	Issue
question_text (required)	title (optional)	Field name mismatch
answer_text (required)	content	Field name mismatch
N/A	mindset	Field doesn't exist in data-base

- This caused INSERT operations to fail because:
1. Required fields `question_text` and `answer_text` were not being provided
 2. Non-existent field `mindset` was being sent
 3. RLS policies couldn't validate properly due to missing required data

Solution Implemented

1. Fixed Field Mappings in `src/lib/reflections.ts`

- **Before:** Used `title`, `content`, `mindset`
- **After:** Uses `question_text`, `answer_text`, removed `mindset`

2. Updated Function Signatures

```
// Before
saveReflection(title, content, mindset, tags, reflectionType)

// After
saveReflection(questionText, answerText, tags, reflectionType)
```

3. Fixed TypeScript Interfaces

- Updated `ReflectionInsert` interface
- Updated `ReflectionUpdate` interface
- Fixed `JournalEntry` type definition
- Fixed `CreateJournalEntryRequest` interface

4. Updated Database Query Operations

- Fixed `searchReflections` to use `question_text` and `answer_text`
- Updated `getReflectionStats` to use `answer_text` for length calculations

- Renamed `getReflectionsByMindset` to `getReflectionsByType` (using `reflection_type`)

Files Modified

1. `src/lib/reflections.ts` - Core reflection database operations
2. `src/types/index.ts` - TypeScript interface definitions

Verification

- [x] TypeScript compilation passes without errors
- [x] Next.js build completes successfully
- [x] All database field names match schema exactly
- [x] No references to non-existent `mindset` field

Next Steps

For Developer:






1. **Review Pull Request:** <https://github.com/dramonfx/renewed-app-v2/pull/new/fix/deep-reflections-field-mapping>
2. **Test the Fix:**
 - Try saving a Deep Reflection
 - Verify no more RLS errors in console
 - Confirm reflections appear in Sacred Reflections page

For Deployment:

1. Merge the pull request when ready
2. Deploy to test environment first
3. Verify Deep Reflections functionality works end-to-end
4. Deploy to production

Expected Results

After this fix:

-  Deep Reflections will save successfully to Supabase
-  No more “new row violates row-level security policy” errors
-  INSERT operations will use correct field names
-  RLS policies will work correctly with proper `user_id` validation
-  Sacred Reflections page will display saved reflections

Technical Details

- **Branch:** `fix/deep-reflections-field-mapping`
- **Commit:** `b28aa4a` - “fix: Correct field mappings in Deep Reflections to resolve RLS errors”
- **Status:** Ready for review and testing
- **Breaking Changes:** None (internal field mapping fix only)