

Grace Period Column Fix Applied

Issue Resolved

Error: "Failed to update attendance record: column 'grace_period' does not exist"

Root Cause

The `grace_period` column was missing from the `rosters` table in the database. This column is required by:

- The `attendance_display` view for calculating late minutes
- Various attendance functions that reference `r.grace_period`
- Attendance update operations

Fix Applied






1. Migration Created

- **File:** `supabase/migrations/20250816201237_fix_missing_grace_period_column.sql`
- **Purpose:** Ensures the `grace_period` column exists in the rosters table

2. Database Changes

- **Added Column:** `grace_period INTEGER NOT NULL DEFAULT 15`
- **Constraint:** Added check constraint to ensure `grace_period >= 0`
- **Default Value:** 15 minutes grace period for all rosters
- **Documentation:** Added column comment for clarity

3. Verification

-  Column exists in rosters table
-  All existing rosters have grace_period = 15
-  `attendance_display` view works without errors
-  Attendance calculations with grace_period work correctly
-  Database queries referencing `r.grace_period` execute successfully

Technical Details

Column Specification

```
ALTER TABLE public.rosters
ADD COLUMN grace_period INTEGER NOT NULL DEFAULT 15;
```

Check Constraint

```
ALTER TABLE public.rosters
ADD CONSTRAINT rosters_grace_period_check
CHECK (grace_period >= 0);
```

Impact

- **Rosters:** All rosters now have a 15-minute grace period by default
- **Attendance:** Late calculations now properly account for grace period
- **Views:** `attendance_display` view functions correctly
- **Error Resolution:** The original error is completely resolved

Status

● **FIXED** - The grace_period column error has been completely resolved. The application should now function without the "column 'grace_period' does not exist" error.

Fix applied on: 2025-08-16 20:14:39