CRM Database Cleanup Log

Date: August 19, 2025
Time: 11:25-11:30 UTC
Performed by: Database Cleanup Script

Summary

Successfully cleaned and updated the CRM database to retain only the three production users (Tom, Thinh, Momo) with correct roles and intact passwords.

Pre-Cleanup State

- **Total Users:** 12
- **Users to Keep:** 3 (Tom, Thinh, Momo)
- **Users to Remove:** 9 (including test users and other staff)

Initial User List

Name	Email	Role	Position
Tom Admin	Tom@laware.se	ADMINISTRATOR	Senior Partner
Thinh Admin	thinh@laware.se	ADMINISTRATOR	Managing Partner
Momo Admin	Momo@laware.se	ADMINISTRATOR	Legal Administrator
John Doe	john@doe.com	ADMINISTRATOR	Managing Partner
Emily Davis	emily.davis@lawfirm.com	ADMINISTRATOR	Legal Administrator
Sarah Johnson	sarah.johnson@lawfirm.com	USER	Senior Attorney
Michael Chen	michael.chen@lawfirm.com	USER	Associate Attorney
5x Test Users	testuser*@example.com	USER	-

Database Schema Updates

1. **Updated UserRole enum** to include new roles:
   - Added `LAWYER` role

- Added `ASSOCIATE` role
- Kept existing `ADMINISTRATOR` and `USER` roles

2. **Applied Prisma schema changes** using `npx prisma db push`

Cleanup Operations Performed

1. Database Backup

- Created timestamped backup: `database_backup_20250819_112557.sql` (36KB)
- Backup stored in `/home/ubuntu/laware_crm/maintenance/`

2. Related Records Cleanup

Cleaned up all records referencing users to be deleted:
- **Activities:** 20 deleted
- **Time Entries:** 2 deleted
- **Comments:** 3 deleted
- **Legal References:** 1 deleted
- **Legal Statutes:** 0 deleted
- **Court Decisions:** 0 deleted
- **Milestones:** 2 updated (removed completedBy references)
- **Workflow Steps:** 0 updated
- **Cases:** 1 updated (removed createdBy reference)
- **Sessions:** 0 deleted
- **Accounts:** 0 deleted
- **Files:** 0 deleted

3. User Deletion

- **Users Deleted:** 9
- Successfully removed all test users and unwanted staff accounts

4. Role Updates

Updated roles for the three remaining users:
- **Tom Admin** (Tom@laware.se): `ADMINISTRATOR` → `ASSOCIATE` ✅
- **Thinh Admin** (thinh@laware.se): `ADMINISTRATOR` → `LAWYER` ✅
- **Momo Admin** (Momo@laware.se): `ADMINISTRATOR` → `ASSOCIATE` ✅

Post-Cleanup Verification

Final User State

Name	Email	Role	Position	Active	Password
Tom Admin	Tom@laware.se	ASSOCIATE	Senior Partner	✅	Properly hashed
Thinh Admin	thinh@laware.se	LAWYER	Managing Partner	✅	Properly hashed
Momo Admin	Momo@laware.se	ASSOCIATE	Legal Administrator	✅	Properly hashed

Database Integrity Check

- **Total Users:** 3 ✅
- **Cases:** 1 remaining
- **Activities:** 0 remaining
- **Comments:** 0 remaining
- **Time Entries:** 0 remaining
- **Files:** 0 remaining
- **Orphaned Records:** 0 ✅

Application Health Check

- **Build Status:** ✅ Successful
- **Schema Validation:** ✅ Passed
- **Database Connection:** ✅ Working
- **No Runtime Errors:** ✅ Confirmed

Security Measures

- ✅ All user passwords preserved and remain properly hashed
- ✅ No sensitive data exposed in logs
- ✅ Database backup created before modifications
- ✅ All operations performed within a single transaction
- ✅ Foreign key constraints properly handled

Files Created

1. `cleanup_users.js` - Main cleanup script
2. `verify_users.js` - Verification script
3. `database_backup_20250819_112557.sql` - Database backup
4. `cleanup_log_20250819.md` - This log file

SQL Operations Summary

All operations were performed using Prisma ORM within a single transaction to ensure atomicity:

```
// Key operations performed:
- DELETE FROM activities WHERE userId NOT IN (keepUserIds)
- DELETE FROM time_entries WHERE userId NOT IN (keepUserIds)
- DELETE FROM comments WHERE authorId NOT IN (keepUserIds)
- UPDATE milestones SET completedById = NULL WHERE completedById NOT IN (keepUserIds)
- UPDATE cases SET createdById = NULL WHERE createdById NOT IN (keepUserIds)
- DELETE FROM users WHERE id NOT IN (keepUserIds)
- UPDATE users SET role = 'ASSOCIATE' WHERE email = 'Tom@laware.se'
- UPDATE users SET role = 'LAWYER' WHERE email = 'thinh@laware.se'
- UPDATE users SET role = 'ASSOCIATE' WHERE email = 'Momo@laware.se'
```

Recommendations

1. **Backup Retention:** Keep the database backup for at least 30 days
2. **User Testing:** Verify login functionality for all three users in the application UI
3. **Role Permissions:** Test role-based access controls to ensure proper functionality
4. **Monitoring:** Monitor application logs for any issues in the next 24-48 hours

Status: ✅ COMPLETED SUCCESSFULLY

The database cleanup has been completed successfully. All objectives have been met:
- ✅ Only Tom, Thinh, and Momo remain as users
- ✅ Roles updated correctly (Thinh: Lawyer, Tom & Momo: Associate)
- ✅ Passwords preserved and intact
- ✅ Test data and unwanted users removed
- ✅ Database integrity maintained
- ✅ Application builds and functions correctly