

Bug Verification Report - Bug #1797: Duplicate contact details can be updated

Date: 2026-01-09 **Bug ID:** #1797 **Title:** Duplicate contact details can be updated
Status: Fixed

Issue Description

Users reported that they could update a contact's details (Name + Phone or Name + Email) to match another existing contact for the same user. This led to data inconsistency and duplicates in the system that bypassed initial creation checks.

Epic: #1598 Contact Management **User Story:** #1647 Edit or delete contact

Fix Implementation

The `update_contact` endpoint in `endpoints.py` was updated to include duplicate collision checks before committing changes.

Changes:

- **endpoints.py (Backend):**
 - Added logic to query the database for existing contacts with the same Name + Phone or Name + Email.
 - Ensured the check **excludes** the contact currently being updated (using `models.Contact.id != contact_id`) to allow self-updates (e.g., changing relationship or notes without changing name/phone).
 - If a collision is detected with a *different* contact, an `HTTPException(status_code=400, ...)` is raised.

Verification Steps

Automated Test:

- **Script:** `tests/repro_bug_1797.py`
- **Results:**
 - [PASS] Rejected update of 'Contact Two' to match 'Contact One's Name + Phone (400 Bad Request).
 - [PASS] Rejected update of 'Contact Two' to match 'Contact One's Name + Email (400 Bad Request).
 - [PASS] Allowed update of 'Contact Two's own Relationship field (200 OK).

Manual Verification:

1. Identified two contacts: "John Doe" (+123) and "Jane Smith" (+456).
2. Edited "Jane Smith".
3. Changed Name to "John Doe" and Phone to "+123".
4. Clicked "Save Contact".
5. **Result:** Save blocked. Error message displayed: *"Another contact with name 'John Doe' and phone '+123' already exists."*

Conclusion

The issue is resolved. Duplicate prevention is now consistently enforced during both creation and updates.