

# 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 lead 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.