

# Bug Verification Report - Bug #1810: Date Filter Missing on Contacts Search & Filter

Date: 2026-01-09 Bug ID: #1810 Title: Date Filter Missing on Contacts Search & Filter Status: Fixed

## Issue Description

The “Contacts” page was missing a way to filter contacts by date (specifically by month), as required by the acceptance criteria. This made it difficult for users to plan for upcoming events in a specific month.

Epic: #1598 Contact Management User Story: #1649 Search and filter contacts

## Fix Implementation

Both the backend API and the frontend UI were updated to support month-based filtering.

### Changes:

- **backend/app/api/endpoints.py:**
  - Updated the get\_contacts endpoint to accept an optional month (1-12) parameter.
  - Implemented filtering using SQLAlchemy's extract function. The filter checks across three date fields:
    - birthday
    - anniversary
    - custom\_occasion\_date
  - Imported extract from sqlalchemy to enable this functionality.
- **frontend/src/components/ContactsList.jsx:**
  - Added a monthFilter state to track the user's selection.
  - Added a new dropdown menu in the search/filter bar with options for “All Months” and each individual month (January-December).
  - Updated the useMemo hook for queryString to include the month parameter.
  - Integrated the monthFilter into the useSWR fetching logic, ensuring that any change in the filter triggers a refined data fetch.

## Verification Steps

### Manual Verification

1. **Filter by Month:**
  - Navigated to the “My Contacts” page.
  - Selected “January” from the new “All Months” dropdown.
  - **Expected Result:** Only contacts with an event (Birthday, Anniversary, or Custom Occasion) in January were displayed.
2. **Combined Filters:**
  - Searched for “John” and selected “February” as the month.
  - **Expected Result:** Only contacts named “John” with an event in February were shown.
3. **Cross-Field Filtering:**
  - Verified that a contact with a birthday in March appears when “March” is selected, and similarly for anniversaries/custom occasions.

## Conclusion

The issue is resolved. Users can now easily filter their contacts by month, fulfilling the user story requirements.