

# Bug Fix Verification Report

## Bug Fix Verification Report: #1873 - Calendar View Toggle

### 1. Issue Description

**\*\*Bug ID\*\*:** #1873

**\*\*Description\*\*:** The "Month / Week / Day" view toggle in the Calendar Dashboard was non-functional. Clicking the buttons updated the active state visually but did not change the actual calendar layout, which remained stuck in Month View.

**\*\*Severity\*\*:** Medium

**\*\*Status\*\*:** Resolved

### 2. Root Cause Analysis

- The `CalendarView.jsx` component contained the UI buttons for view switching but lacked the implementation for `Week` and `Day` render logic.
- The render section was hardcoded to satisfy the "Month" grid structure only.

### 3. Implementation Details

**\*\*File Modified\*\*:** `frontend/src/components/dashboard/CalendarView.jsx`

**\*\*Changes\*\*:**

- Implemented distinct rendering logic for each view mode:
- **\*\*Month View\*\*:** Existing full-month grid.
- **\*\*Week View\*\*:** A new 7-column layout displaying the dynamically calculated days of the current week.
- **\*\*Day View\*\*:** A new detailed layout featuring an hourly timeline (12 AM to 11 PM) for the selected day.
- Added conditional rendering (`{view === 'week' && ...}`) to switch layouts dynamically based on user selection.
- Corrected import issues (using `CalendarIcon` instead of `Calendar` to avoid conflicts).

### 4. Verification Steps

#### Scenario 1: Switching to Week View

1. **\*\*Action\*\*:** Click the "Week" button in the Calendar toolbar.
2. **\*\*Expected Result\*\*:** The grid changes to show 7 days (e.g., Sunday to Saturday).
3. **\*\*Observed Result\*\*:** The view successfully switches to a 7-column Week layout. Events for the week are visible.

#### Scenario 2: Switching to Day View

1. **\*\*Action\*\*:** Click the "Day" button.
2. **\*\*Expected Result\*\*:** The view shows a single day with an hourly breakdown.

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3. **\*\*Observed Result\*\***: The view successfully switches to the Day layout with a timeline. Events are placed in their respective hour slots.

## 5. Conclusion

The Calendar View Toggle is now fully functional, providing users with Month, Week, and Day perspectives as intended.