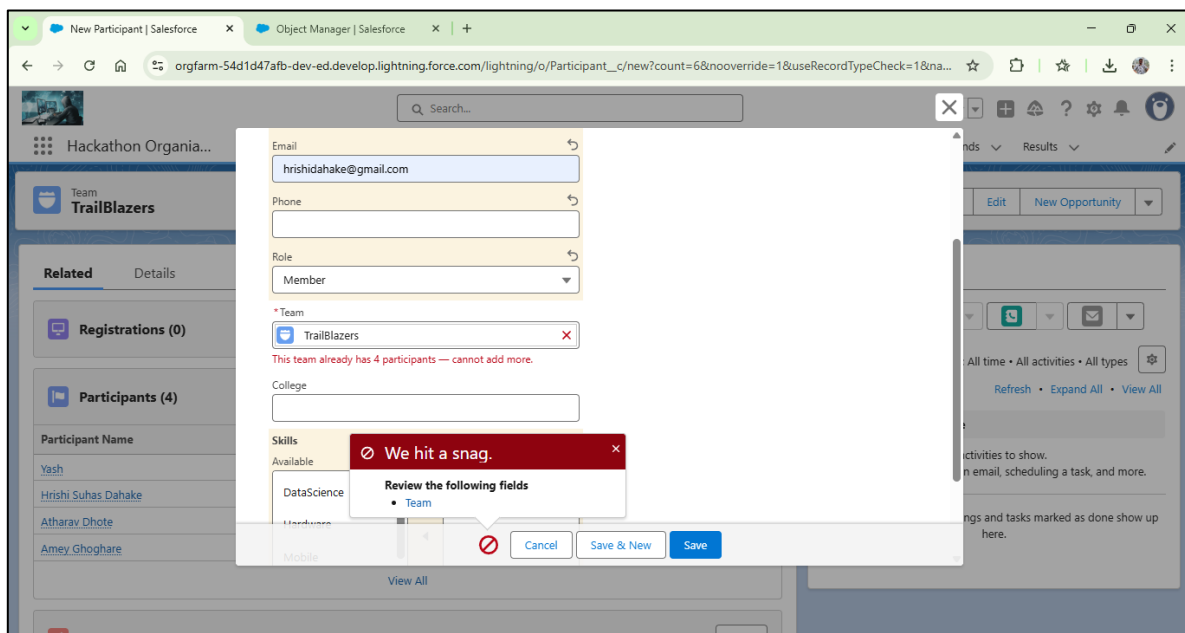


Phase 4: Process Automation

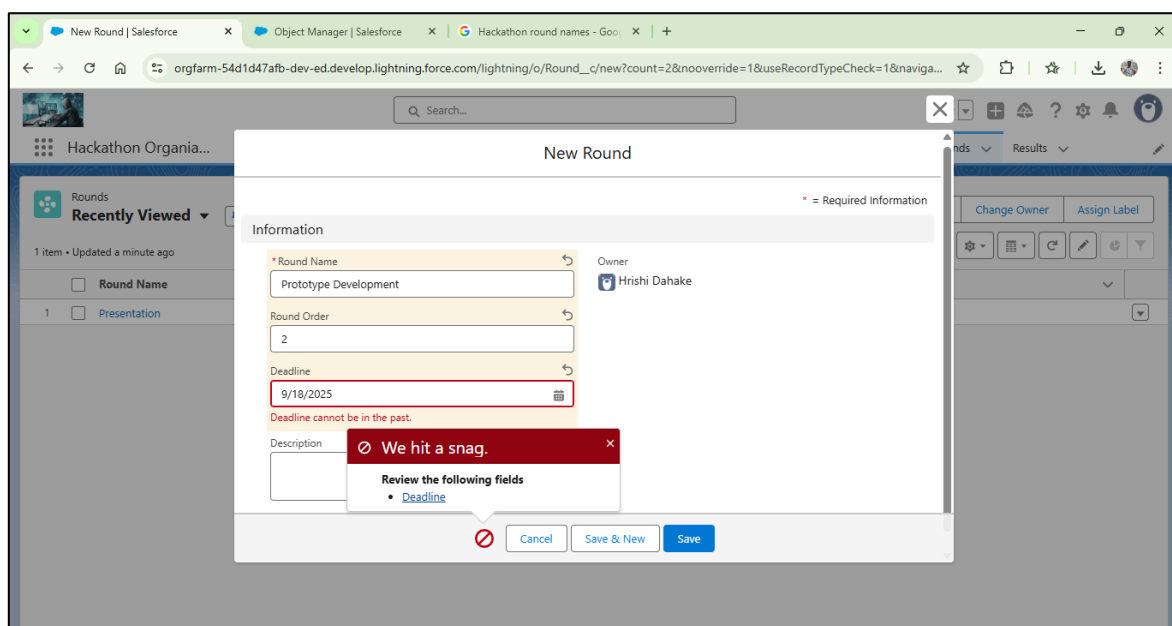
1. Validation Rules

Validation rules were created to maintain data quality and enforce hackathon constraints:

- **Rule 1: Team Size Limit**
 - **Logic:** A team cannot have more than **4 participants**.
 - **Impact:** Prevents organizers/participants from registering oversized teams.



- **Rule 2: Deadline Validation**
 - **Logic:** Event deadlines (e.g., submission, registration) cannot be set in the **past date**.
 - **Impact:** Ensures scheduling accuracy and avoids errors in event timeline management.

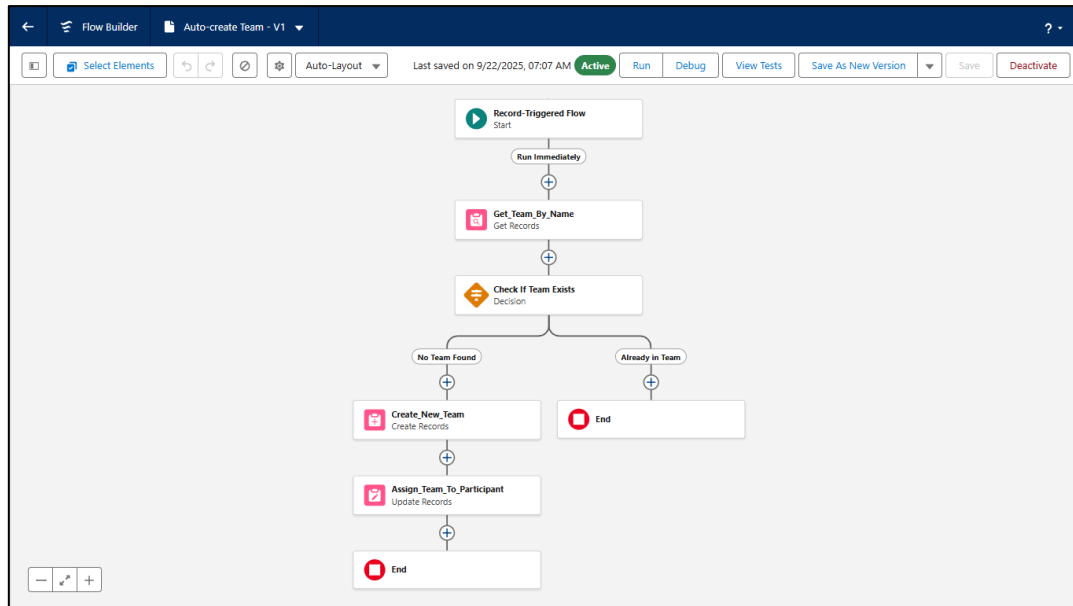


2. Flows (Automation via Salesforce Flows)

Several **Record-Triggered** and **Scheduled Flows** were built:

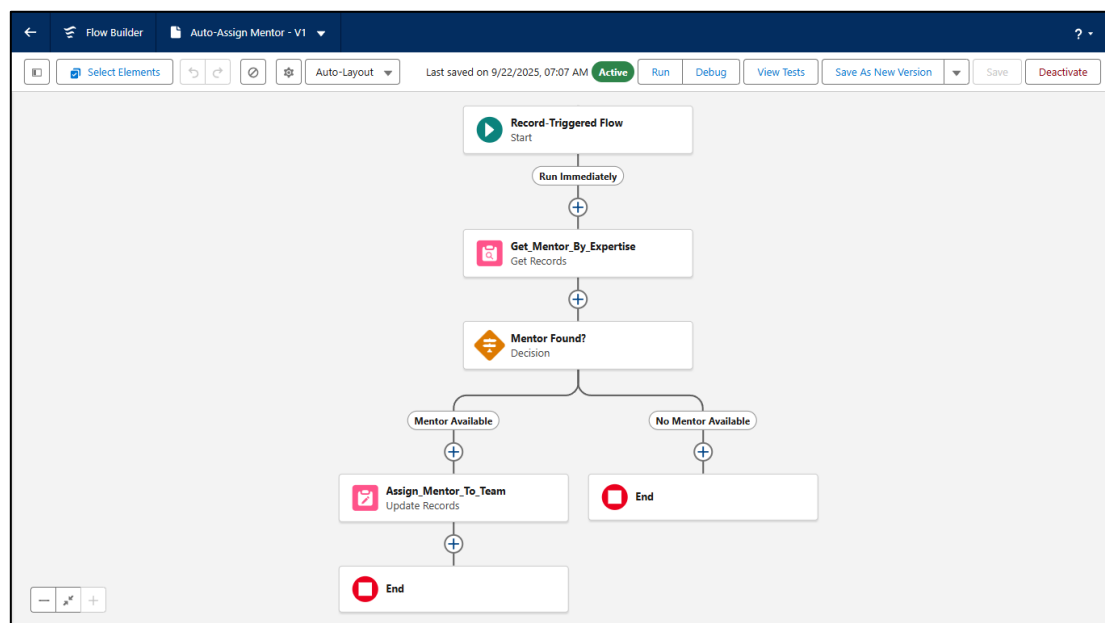
- **Flow 1: Auto-create Team Record**

- **Trigger:** When the **first Participant** registers.
- **Action:** Creates a new **Team record** and links the participant to it.
- **Impact:** Eliminates manual team creation by organizers.



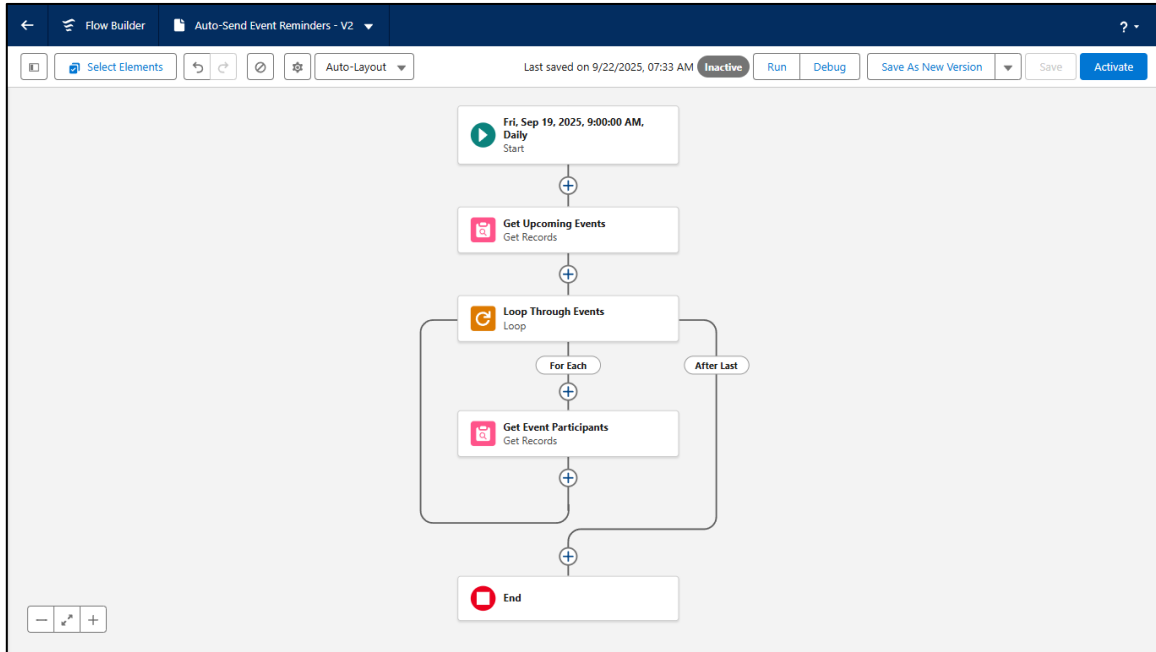
- **Flow 2: Auto-assign Mentors**

- **Trigger:** When a **Team record** is created.
- **Logic:** Matches mentor's expertise with the team's project/skills.
- **Action:** Assigns the mentor to the team automatically.
- **Impact:** Saves time and ensures expertise-based mentor distribution.



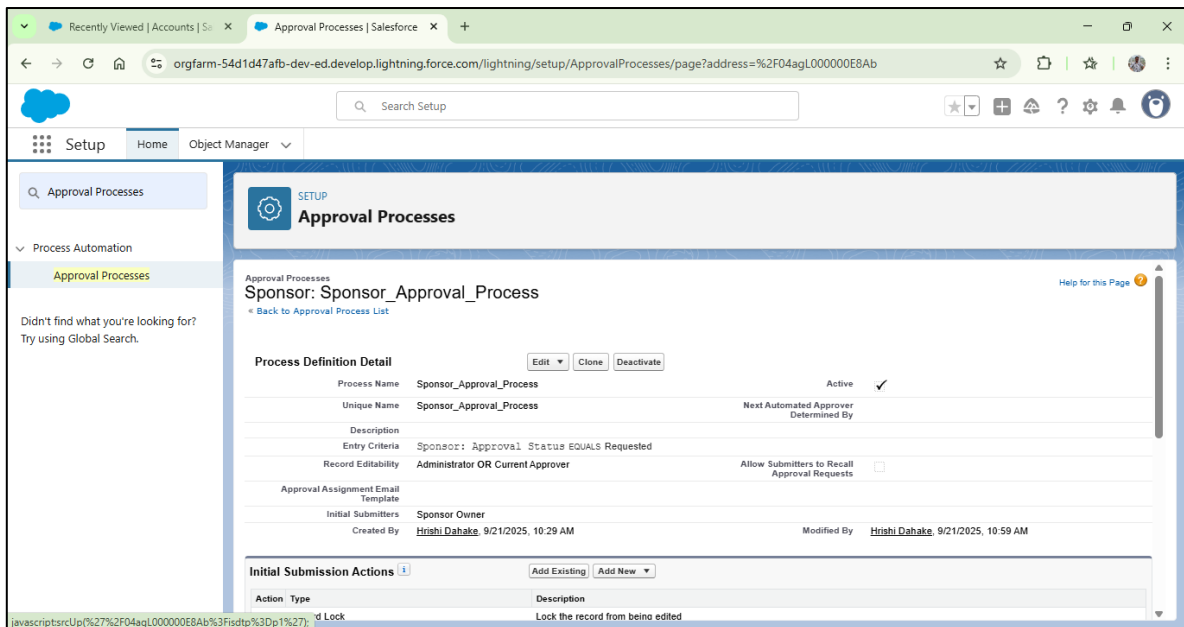
- **Flow 3: Event Reminder Emails**

- **Type:** Scheduled Flow.
- **Logic:** Runs before deadlines (e.g., 24 hours prior).
- **Action:** Sends reminder emails to participants about event milestones.
- **Impact:** Keeps participants engaged and reduces missed deadlines.



3. Approval Process

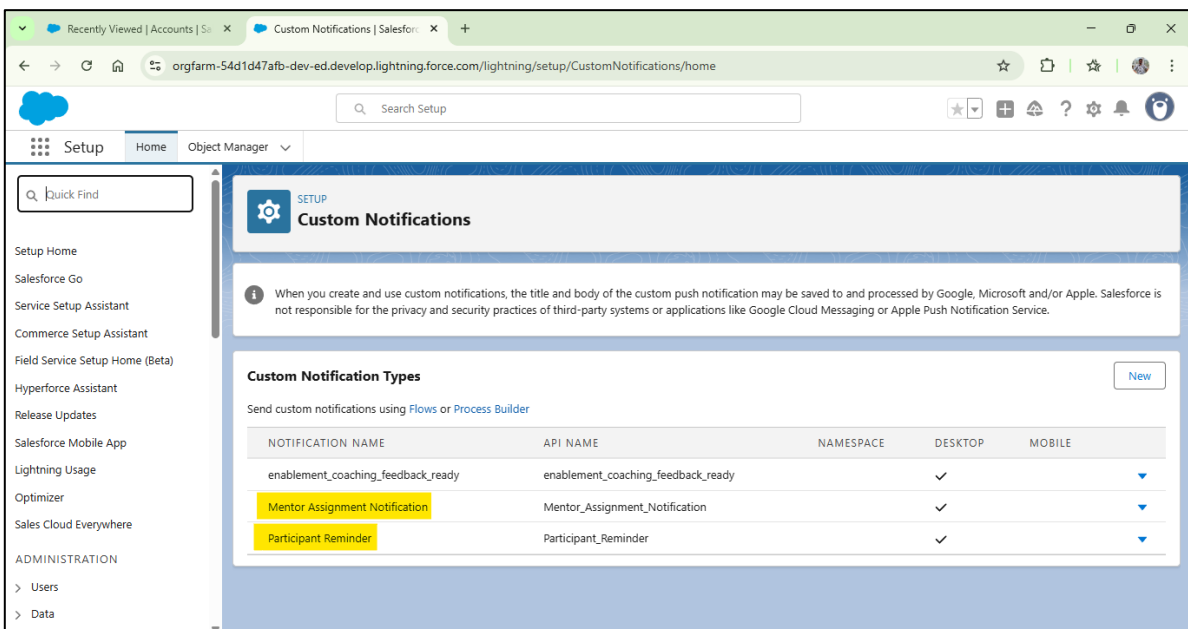
- **Use Case:** Sponsor onboarding requires organizer confirmation.
- **Object:** *Sponsor__c* (custom object).
- **Steps:**
 - **Entry Criteria:** Sponsor status = *Pending*.
 - **Approver:** Organizer Role/Queue.
 - **Initial Action:** Lock record to prevent editing during review.
 - **On Approval:** Update Sponsor_Status → *Approved*.
 - **On Rejection:** Update Sponsor_Status → *Rejected*.
- **Impact:** Ensures controlled and transparent sponsor approvals.



4. Custom Notifications

Custom in-app and email notifications were configured:

- **Scenario:** Notify participants **before important deadlines** (e.g., project submission, evaluation start).
- **Action:** Notifications sent via Flow + Notification Builder.
- **Impact:** Improves communication and ensures participants stay on track.



Deliverables Achieved in Phase 4

By the end of Phase 4, we automated the core hackathon processes:

- **Validation Rules** for enforcing data quality.
- **Flows** for team creation, mentor assignment, and event reminders.
- **Approval Process** for sponsor requests.
- **Custom Notifications** to keep participants informed.

This automation ensures the **Hackathon Org runs smoothly, reduces manual effort, and provides real-time visibility** to all stakeholders.
