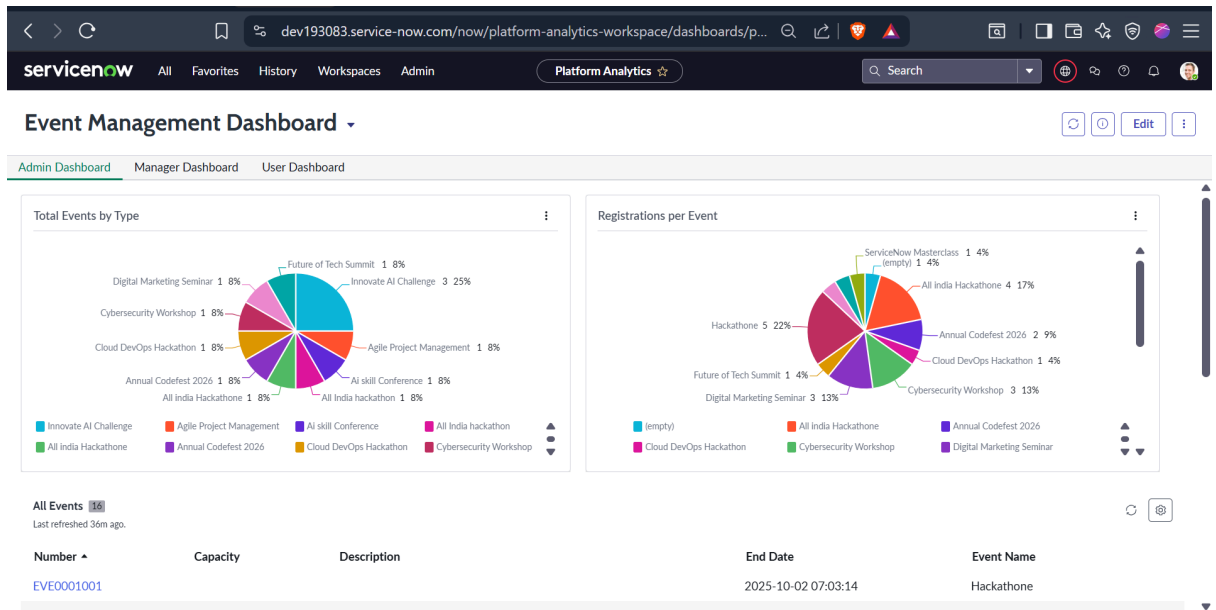


# 2 System Design and Data Model

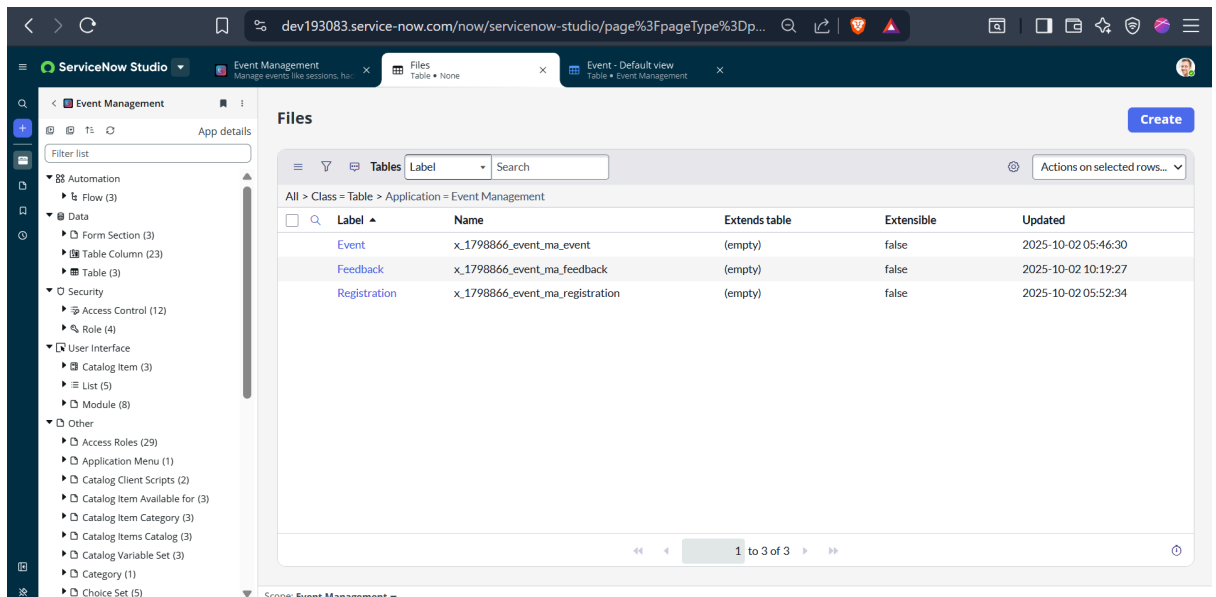
## 2.1 Architecture Overview

The application architecture is based on the **ServiceNow App Engine** and consists of:

- **Frontend:** Service Catalog items and UI Builder Dashboard



- **Backend:** Three core custom tables for data management

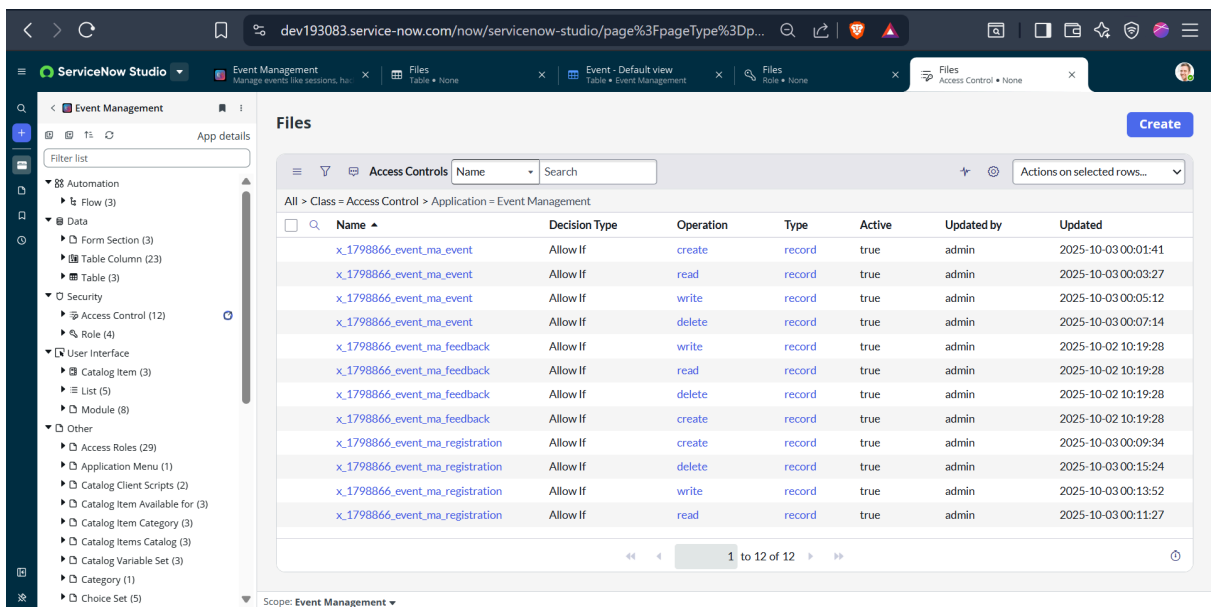
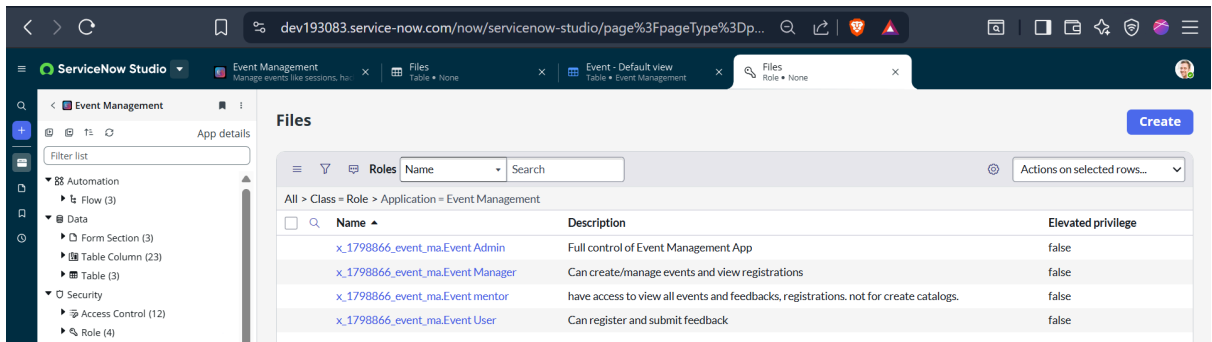


The screenshot shows the ServiceNow Studio interface. The 'Files' section is active, displaying a table of custom tables. The table has columns for Label, Name, Extends table, Extensible, and Updated. The table lists three custom tables: 'Event', 'Feedback', and 'Registration'.

Label	Name	Extends table	Extensible	Updated
Event	x_1798866_event_ma_event	(empty)	false	2025-10-02 05:46:30
Feedback	x_1798866_event_ma_feedback	(empty)	false	2025-10-02 10:19:27
Registration	x_1798866_event_ma_registration	(empty)	false	2025-10-02 05:52:34

- **Automation:** Flow Designer for approvals, notifications, and feedback triggers

- **Security:** Role-based access via ACLs and custom roles



## 2.2 Custom Tables

Table Label	System Name	Description
Event	x_1798866_event_ma_event	Stores event name, session, date, and details
Registration	x_1798866_event_ma_registration	Captures participant registration details
Feedback	x_1798866_event_ma_feedback	Stores feedback responses linked to events

## 2.3 Relationships

- **One-to-Many:** Event → Registration
- **One-to-Many:** Event → Feedback

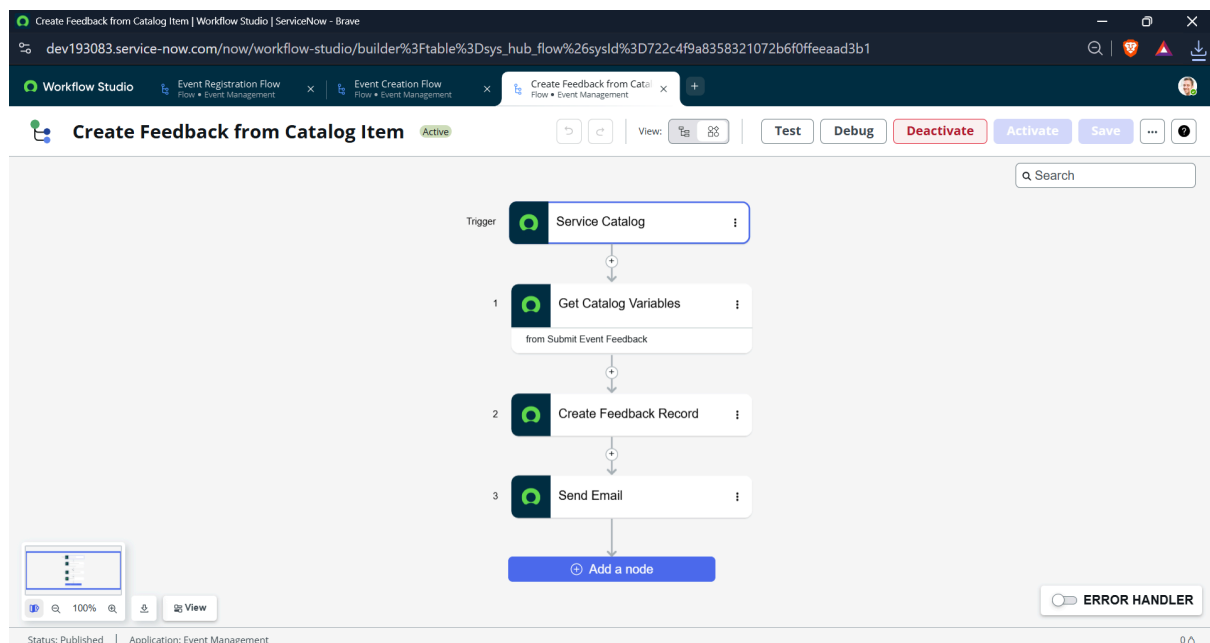
## 2.4 Roles

All>Class = Role>

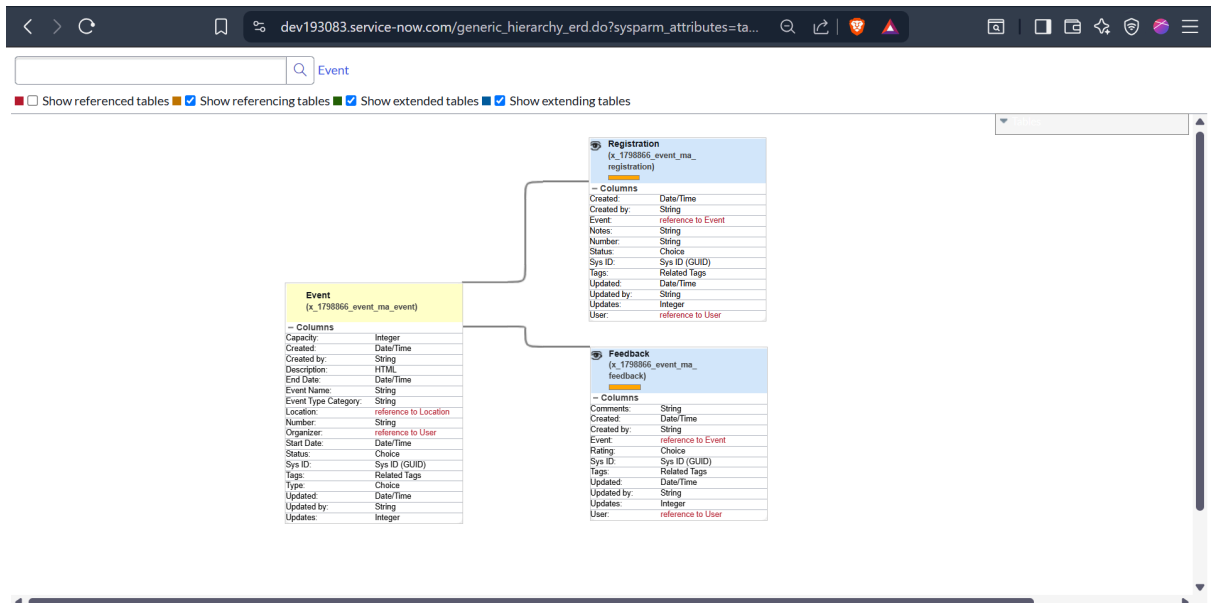
Name	Description
x_1798866_event_m a.Event Admin	Full control of Event Management App
x_1798866_event_m a.Event Manager	Can create/manage events and view registrations
x_1798866_event_m a.Event mentor	have access to view all events and feedbacks, registrations. not for create catalogs.
x_1798866_event_m a.Event User	Can register and submit feedback

## 2.5 Data Flow

[Catalog Item Submission] → [Flow Designer Trigger]  
 → [Registration Record Inserted]  
 → [Email Notification Sent] → [Dashboard Updated]



## 2.6 Entity Relationship Diagram (ERD)



Event (x\_1798866\_event\_ma\_event)

