

Multimedia Documents

Manage Multimedia Documents in MSGovern V6

Release 6.0 Version 1

Last Revision Update: 2014/01/15

Version History

Version	Date	Modify By	Description
1.0	2014/01/20	Eric Plante	Create document
1.1	2014/04/11	Eric Plante	Adjust document

Table of Contents

Version History.....	2
Summary	4
Description	4
Database	4
Functionalities.....	4
Classes.....	4
Implementation	4
UI	4
Query	11
IET.....	11
Mobile	11
Security	11
Scenario.....	11

Summary

This document describes how the Multimedia Documents Custom Entity works and how to set it up

Description

Multimedia document allow users to upload and save files

Database

PC_FREE_FORM
PC_DOC_LOCATOR

Functionalities

Create a New Multimedia
Delete a Multimedia Document
Save a Multimedia Document
Browse as Multimedia Document
Upload a file
Take a snapshot with a Web Cam
Take a snapshot with a twain

Classes

Project MsGovern.OpenForms.CustomControl

In folder Multimedia

- MultimediaDocument_Control
- ImagePreview_Control
- MultimediaType

In folder Multimedia/CameraCapture

- CameraCapture
- CameraCaptureViewModel
- CameraControlState
- WndCameraCapture

Implementation

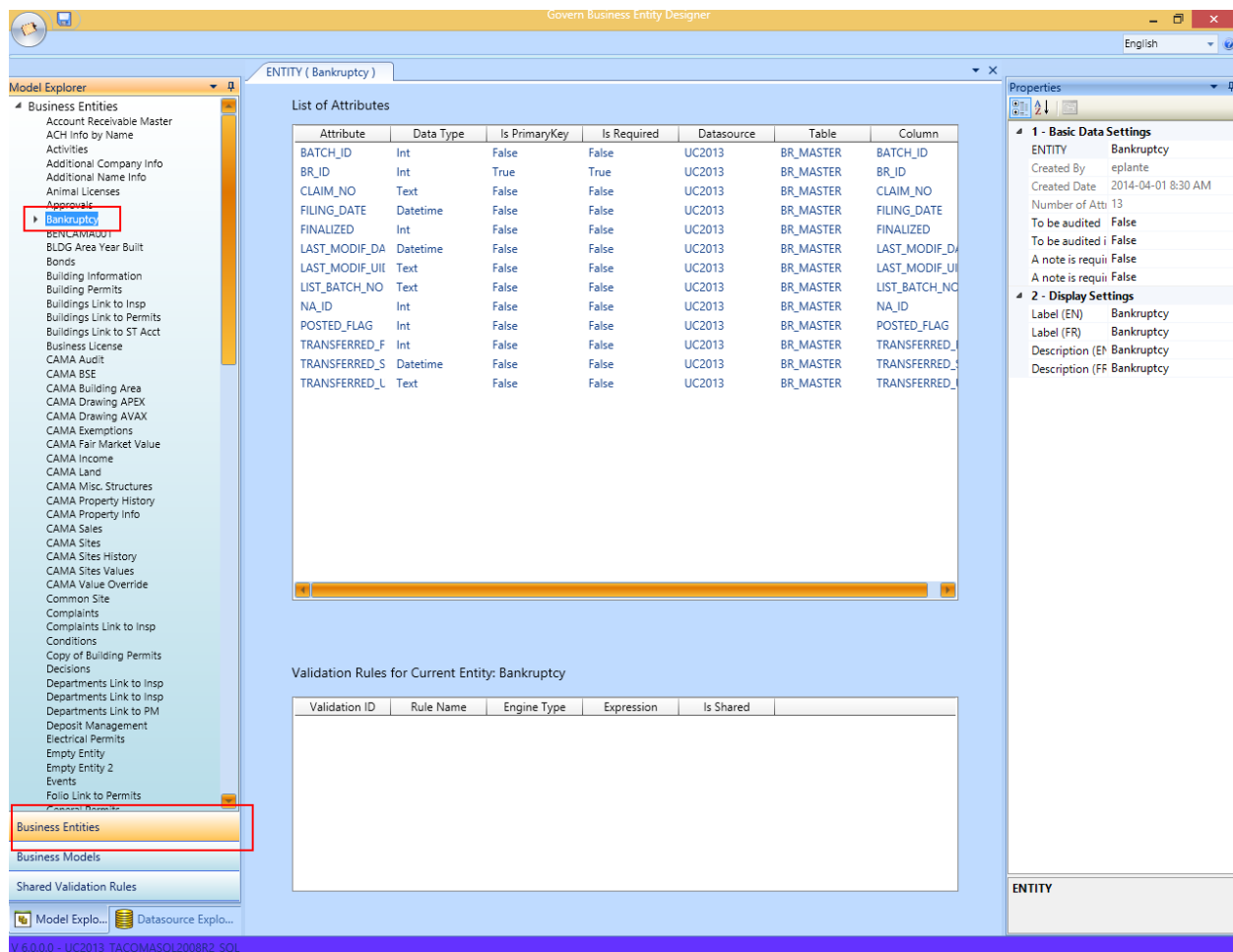
UI

The Print screens were made for Bankruptcy but all types will be built the same way except that they will take different keys and different Multimedia types.

This document is not about building the whole Form itself, it is about Multimedia Documents so, only the minimum will be described here like the root entity, model, form, etc. that are required to make Multimedia Document Form work.

BED Entity : The root entity needs to be created in order to be able to add Multimedia Documents.

- Bankruptcy table is BR_MASTER
- Names & Address table is NA_NAMES
- Parcel Information table is PC_Parcel

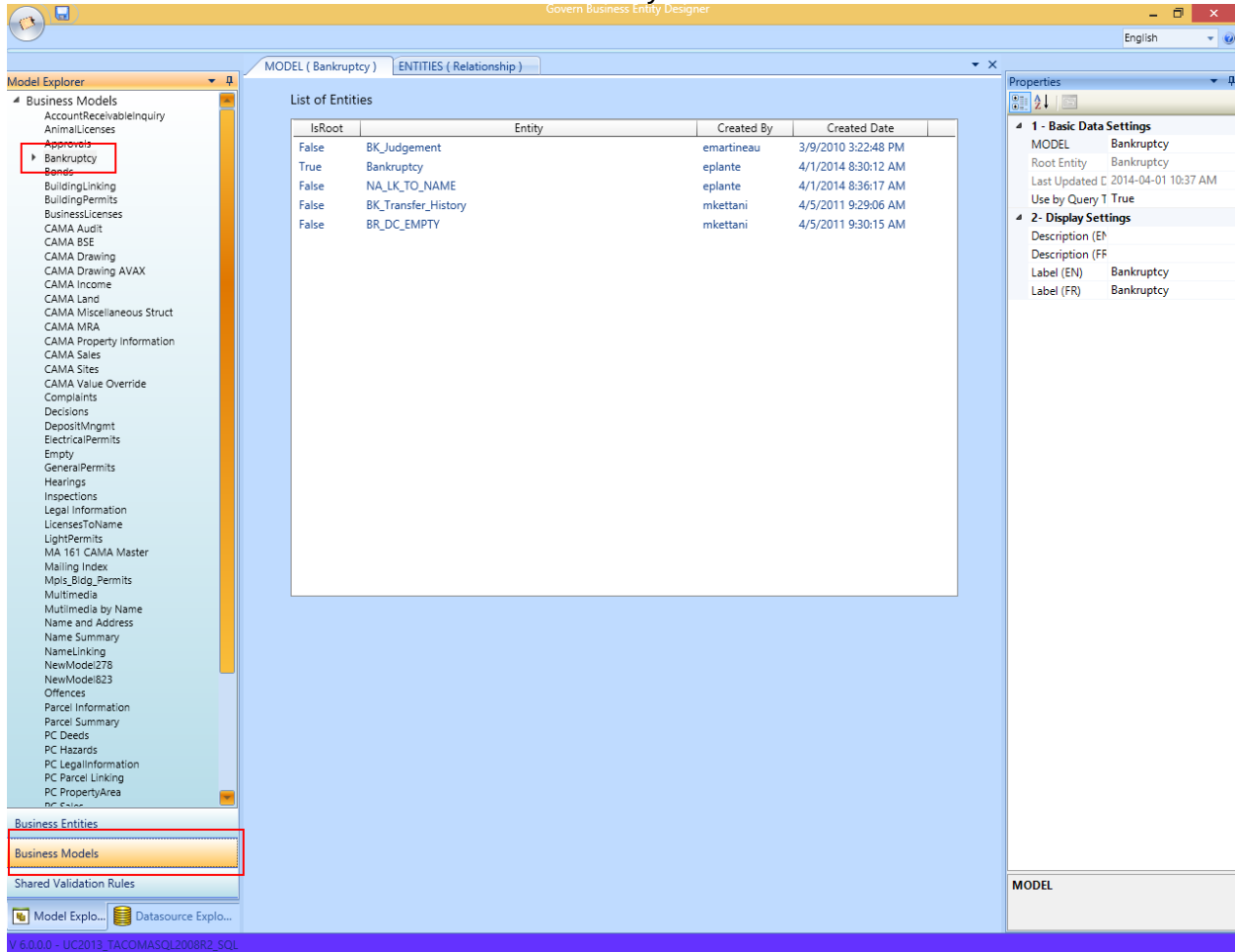


The screenshot shows the 'Govern Business Entity Designer' application. The main window displays the 'ENTITY (Bankruptcy)' configuration. On the left, the 'Model Explorer' pane lists various entities, with 'Bankruptcy' highlighted. The central 'List of Attributes' table shows the following data:

Attribute	Data Type	Is PrimaryKey	Is Required	Datasource	Table	Column
BATCH_ID	Int	False	False	UC2013	BR_MASTER	BATCH_ID
BR_ID	Int	True	True	UC2013	BR_MASTER	BR_ID
CLAIM_NO	Text	False	False	UC2013	BR_MASTER	CLAIM_NO
FILING_DATE	Datetime	False	False	UC2013	BR_MASTER	FILING_DATE
FINALIZED	Int	False	False	UC2013	BR_MASTER	FINALIZED
LAST_MODIF_DA	Datetime	False	False	UC2013	BR_MASTER	LAST_MODIF_DA
LAST_MODIF_UII	Text	False	False	UC2013	BR_MASTER	LAST_MODIF_UII
LIST_BATCH_NO	Text	False	False	UC2013	BR_MASTER	LIST_BATCH_NO
NA_ID	Int	False	False	UC2013	BR_MASTER	NA_ID
POSTED_FLAG	Int	False	False	UC2013	BR_MASTER	POSTED_FLAG
TRANSFERRED_F	Int	False	False	UC2013	BR_MASTER	TRANSFERRED_F
TRANSFERRED_S	Datetime	False	False	UC2013	BR_MASTER	TRANSFERRED_S
TRANSFERRED_L	Text	False	False	UC2013	BR_MASTER	TRANSFERRED_L

Below the table, the 'Validation Rules for Current Entity: Bankruptcy' section is empty. On the right, the 'Properties' pane shows settings for the 'Bankruptcy' entity, including 'Basic Data Settings' and 'Display Settings'.

BED Model : Create a new Model for the root entity



MODEL (Bankruptcy) ENTITIES (Relationship)

Model Explorer

- Business Models
 - AccountReceivableInquiry
 - AnimalLicenses
 - Approvals
 - Bankruptcy**
 - Bonds
 - BuildingLinking
 - BuildingPermits
 - BusinessLicenses
 - CAMA Audit
 - CAMA BSE
 - CAMA Drawing
 - CAMA Drawing AVAX
 - CAMA Income
 - CAMA Land
 - CAMA Miscellaneous Struct
 - CAMA MRA
 - CAMA Property Information
 - CAMA Sales
 - CAMA Sites
 - CAMA Value Override
 - Complaints
 - Decisions
 - DepositMngmt
 - ElectricalPermits
 - Empty
 - GeneralPermits
 - Hearings
 - Inspections
 - Legal Information
 - LicensesToName
 - LightPermits
 - MA 161 CAMA Master
 - Mailing Index
 - Mpls_Bldg_Permits
 - Multimedia
 - Multimedia by Name
 - Name and Address
 - Name Summary
 - NameLinking
 - NewModel278
 - NewModel823
 - Offences
 - Parcel Information
 - Parcel Summary
 - PC Deeds
 - PC Hazards
 - PC LegalInformation
 - PC Parcel Linking
 - PC PropertyArea
 - PC Sales
- Business Entities
- Business Models**
- Shared Validation Rules

List of Entities

IsRoot	Entity	Created By	Created Date
False	BK_Judgement	emartineau	3/9/2010 3:22:48 PM
True	Bankruptcy	eplante	4/1/2014 8:30:12 AM
False	NA_LK_TO_NAME	eplante	4/1/2014 8:36:17 AM
False	BK_Transfer_History	mkettani	4/5/2011 9:29:06 AM
False	BR_DC_EMPTY	mkettani	4/5/2011 9:30:15 AM

Properties

- 1 - Basic Data Settings
 - MODEL Bankruptcy
 - Root Entity Bankruptcy
 - Last Updated C 2014-04-01 10:37 AM
 - Use by Query T True
- 2 - Display Settings
 - Description (EN)
 - Description (FF)
 - Label (EN) Bankruptcy
 - Label (FR) Bankruptcy

MODEL

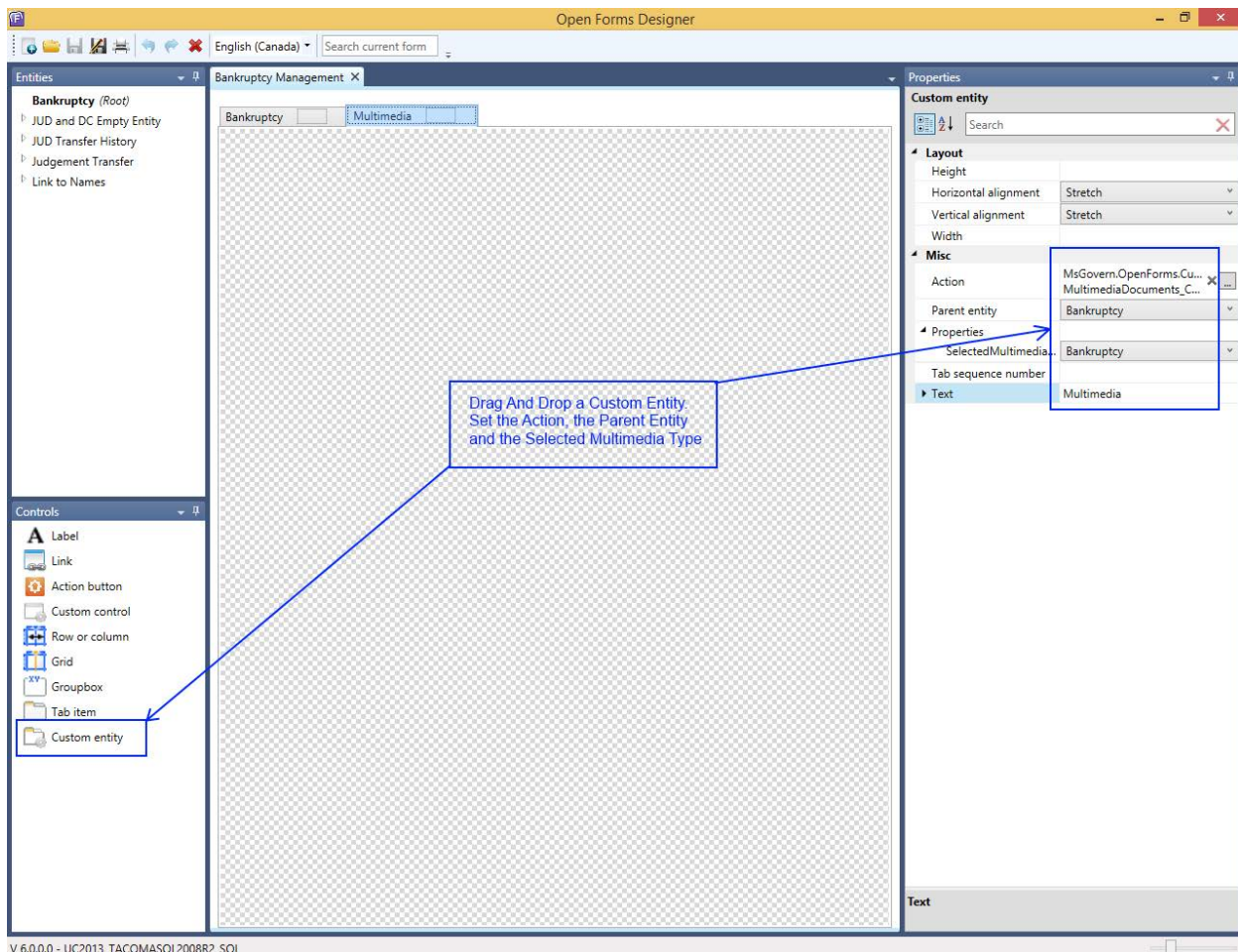
V 6.0.0.0 - UC2013_TACOMASQL2008R2_SQL

OFD Root model : Create a Form for the root Model. Don't forget to set the filter attributes in the configuration otherwise you can get strange results.

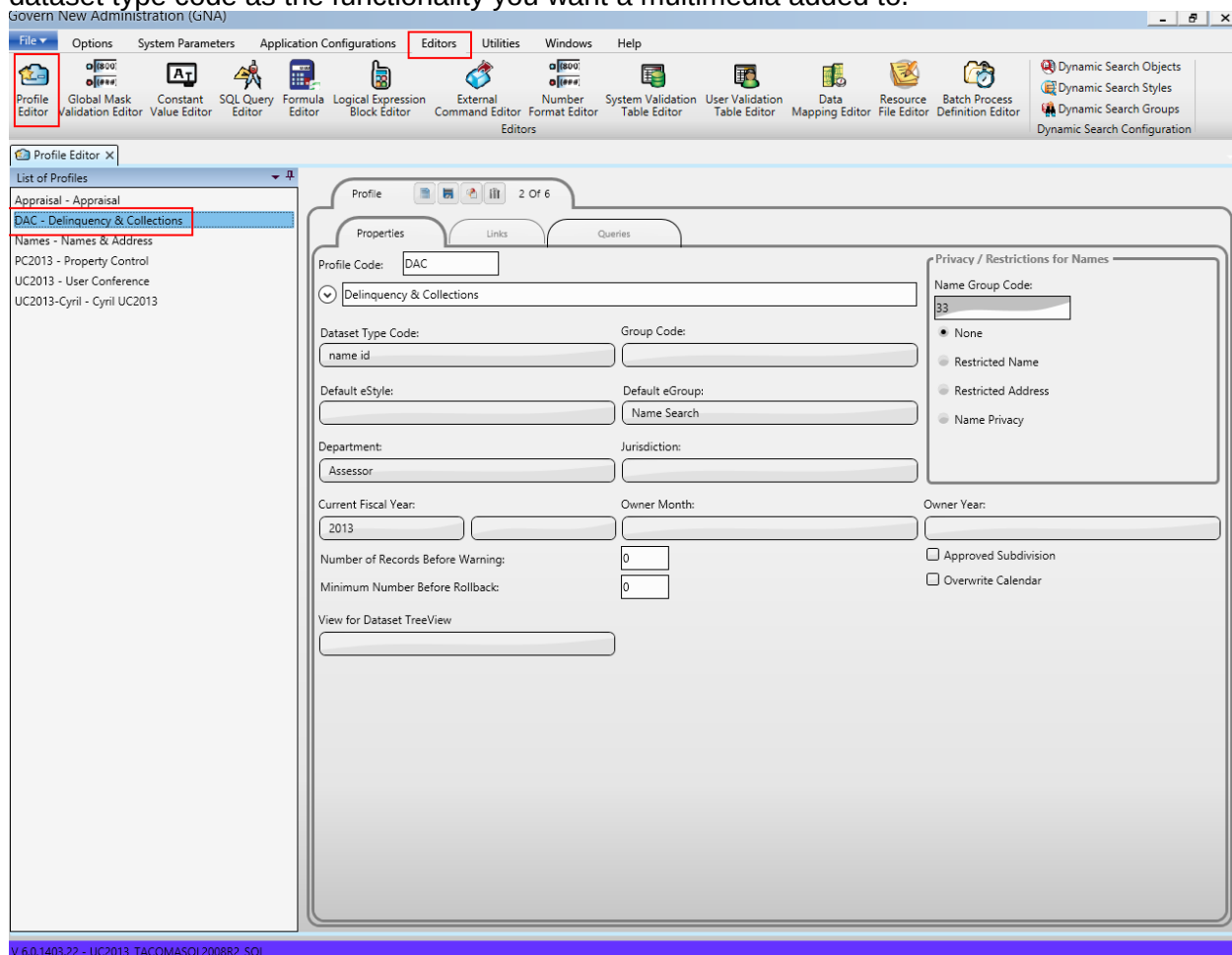
The screenshot shows the Open Forms Designer (OFD) interface. The main window displays the 'Bankruptcy Management' form. The 'Entity configuration' dialog is open, showing the configuration for the 'Bankruptcy' entity. The 'Attributes' list includes: BATCH_ID, BR_ID, CLAIM_NO, FILING_DATE, FINALIZED, LAST_MODIF_DATE, LAST_MODIF_UID, LIST_BATCH_NO, NA_ID, POSTED_FLAG, TRANSFERRED_FLAG, TRANSFERRED_STAMP, and TRANSFERRED_UID. The 'Filters by system ID' table shows: Attribute (NA_ID), System ID (name id). The 'Filters by constants' table is empty. The 'Order by' table is empty. The 'Reposition' table is empty. The 'ID setters' table shows: Attribute (BR_ID, NA_ID), System ID (Bankruptcy ID, name id). The 'Entity tab item' properties panel on the right shows the 'Configuration' property set to 'Click to edit' and the 'Name' property set to 'Bankruptcy'. A blue arrow points from the 'NA_ID' attribute in the 'Filters by system ID' table to the 'Configuration' property in the 'Entity tab item' properties panel.

OFD Multimedia Document :

- Drag & Drop a Custom Entity onto the Form
- Set the Action
 - o Project MsGovern.OpenForms.CustomControls
 - o Class MultimediaDocument_Control
- Set the Parent Entity to the root form
- Set the Text to Multimedia
- Open Properties and set SelectedMultimediaType to the functionality that receives the multimedia (Bankruptcy, Parcel, Names, etc)



GNA : Open the Profile Editor then either add a new profile or use an existing one with the same dataset type code as the functionality you want a multimedia added to.



Profile Editor

Global Mask Validation Editor Constant Value Editor SQL Query Editor Formula Editor Logical Expression Block Editor External Command Editor Number Format Editor System Validation Table Editor User Validation Table Editor Data Mapping Editor Resource File Editor Batch Process Definition Editor

Dynamic Search Objects
Dynamic Search Styles
Dynamic Search Groups
Dynamic Search Configuration

Profile Editor X

List of Profiles

- Appraisal - Appraisal
- DAC - Delinquency & Collections**
- Names - Names & Address
- PC2013 - Property Control
- UC2013 - User Conference
- UC2013-Cyril - Cyril UC2013

Profile: 2 Of 6

Properties Links Queries

Profile Code: DAC

Dataset Type Code: name id Group Code:

Default eStyle: Default eGroup: Name Search

Department: Assessor Jurisdiction:

Current Fiscal Year: 2013 Owner Month: Owner Year:

Number of Records Before Warning: 0

Minimum Number Before Rollback: 0

View for Dataset TreeView

Privacy / Restrictions for Names

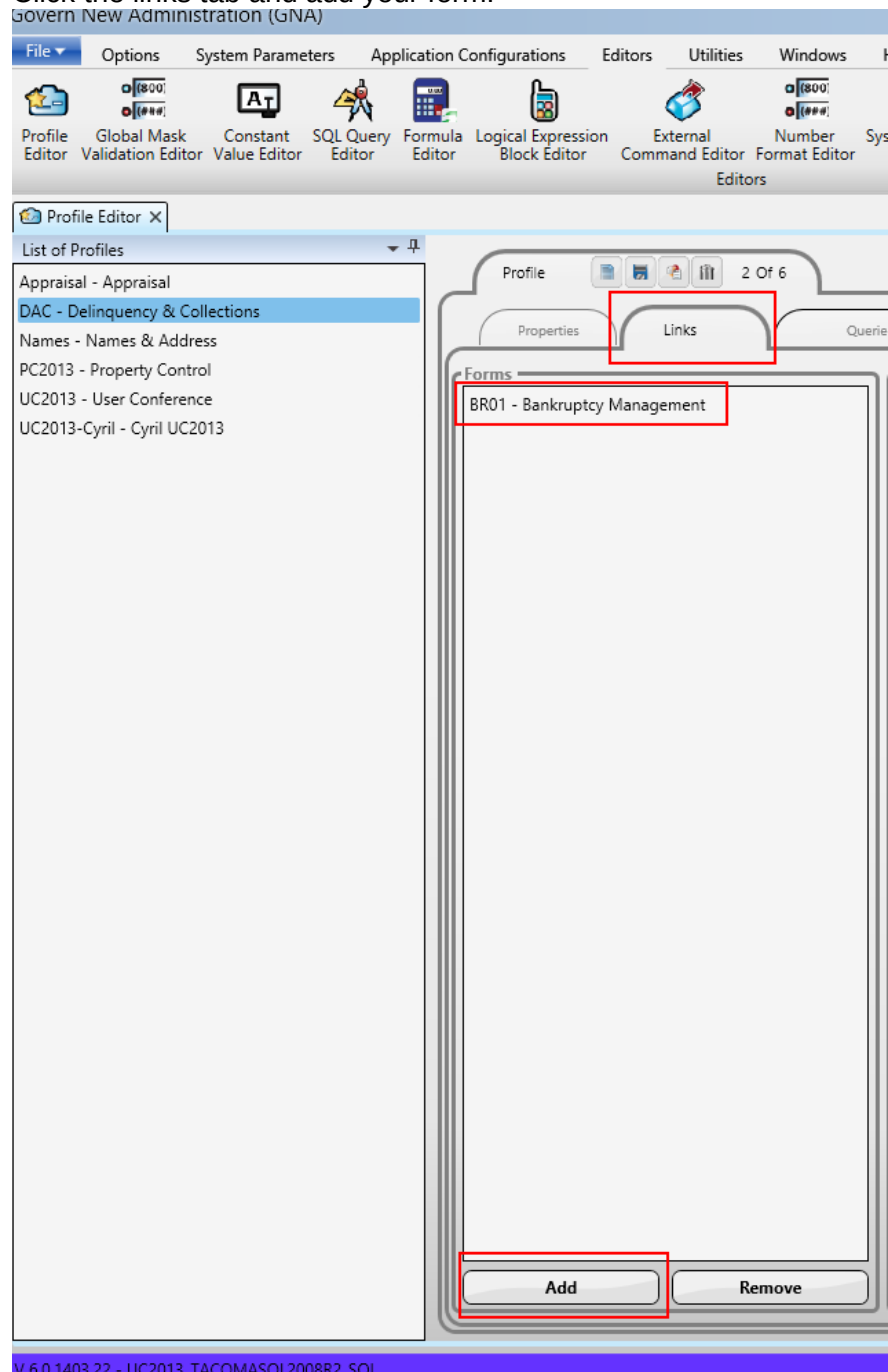
Name Group Code: B3

☒ None
☐ Restricted Name
☐ Restricted Address
☐ Name Privacy

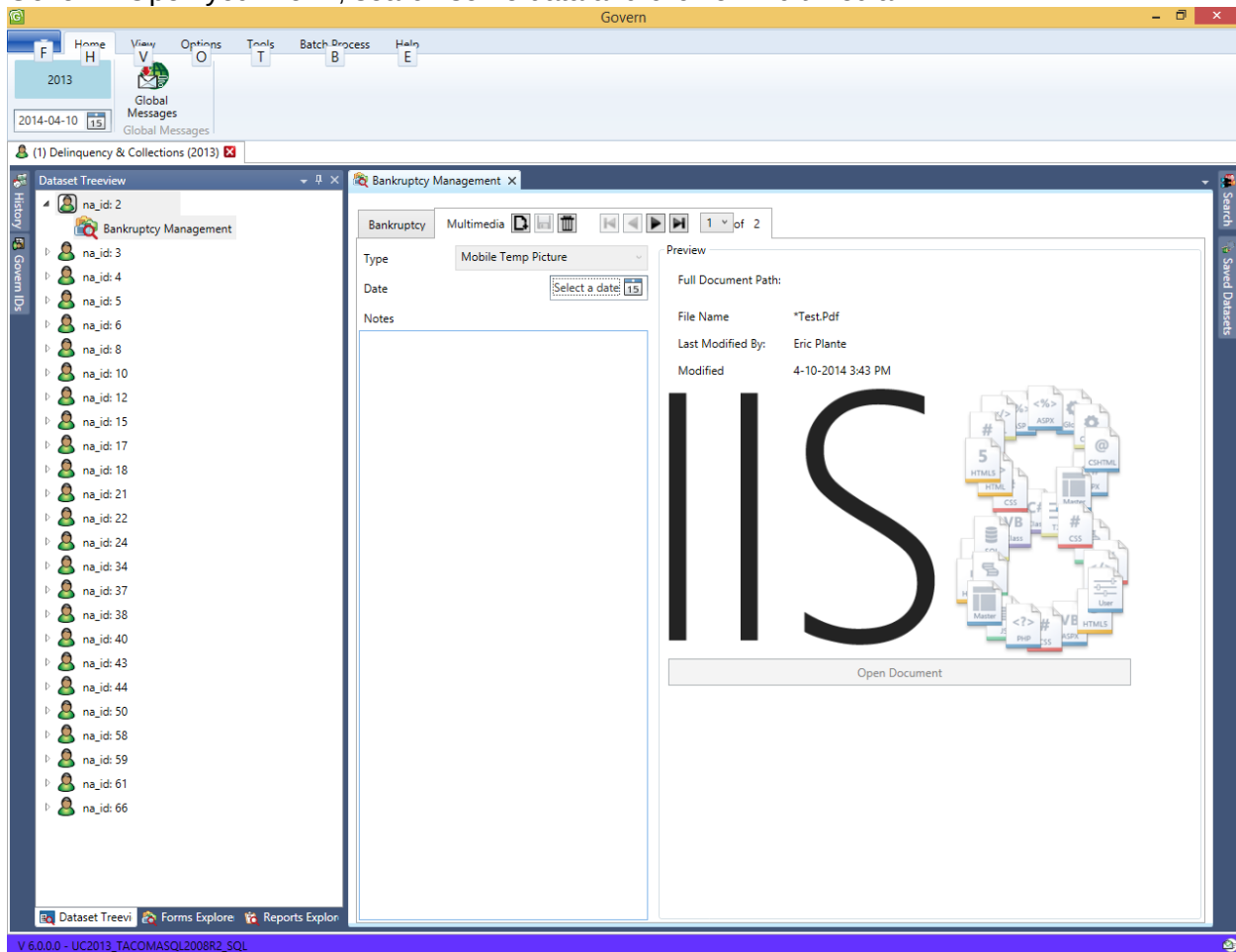
☐ Approved Subdivision
☐ Overwrite Calendar

V 6.0.1403.22 - UC2013_TACOMASQL2008R2_SQL

Click the links tab and add your form.



Govern : Open your Form, search some data and click on multimedia.



Query

IET

Mobile

Security

Scenario

- Plug a Web Cam
- Click New
- Select a type
- Upload a file
- Save
- Repeat for all possible file types
- For types that allow Web Cam snapshots, Twain and file upload, test all three for the same type
- Once you are done creating, modify one and save.
- Once done, delete them all.