

MA005 – Building Drawing (Apex)

MSGovern

Release 6.0

Last Revision Update: 2014/03/04

Version History

Version	Date	Modified By	Description
1.0	2014/04/14	Benoît Lauzon	Create document

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Summary

This document describes the integration of Apex in Govern v6. The setup is describe with any additional information.

Description

The Drawing function allow the user to view the building drawing of the selected building. The user can launch Apex to edit the drawing. If the user want to keep the changes, he must save in govern after the changes in Apex. The areas will be recalculated and updated in the two are tables. Roll forward will be made, but we always replace the drawing and the areas.

We use the new `OpenFromBase64String` Apex command, this allow us to open the drawing from a string in memory. Previously we had to save the file on a temp directory and then open it.

Apex Information

Apex Sketch v6 Mobile (.Net) Integration Info:

Below is a link to download & install Apex Sketch™ v6 Mobile:

<ftp://ApexSketch:Ap3xSk3tch@ftp.apexwin.com/Apex-Sketch-USA-BETA.msi>

Sample Apex Sketch™ v6 Mobile Integration Application

<ftp://ApexSketch:Ap3xSk3tch@ftp.apexwin.com/ApexSketchIntegrationSample.zip>

Note: The C# sample integration example has been updated to work with the latest integration controls

Requirements:

Operating System: Windows 7 or higher

Development: Visual Studio 2010 or higher with Microsoft .NET 4.0 Framework or higher.

This build is not for distribution to any parties outside of your company as it is strictly intended for your internal testing purposes.

Although we believe the product is stable and ready for use, please refrain from using it in a production environment as any errors that occur during testing may result in the damage and/or loss of data.

Please direct your findings (errors, crashes, etc.) along with steps to reproduce to myself and Jonathan Colon who I have also included in this email.

We have added to your account (Online ID gmirea@msgovern.com, Online PWD: apex) quantity 2 Apex Sketch™ v6 Pro temporary BETA licenses that will expire on March 31st, 2014. Let me know if you need any additional temporary BETA licenses for testing.

Controller

Functionalities

1. Log Information can be turned on, use the APEX Module in the diagnosis tool.
2. Custom CurrentItemChanged
 - a. If Apex is open, we load the new drawing in the application.
3. Custom save
 - a. After save: We recalculate all areas if the area override is not turned on. The system will fill tables MA_BLDG_AREA and MA_BLDG_AREA_YEAR.
Note: MA_BLDG_AREA will probably disappear in future release.
4. Open Apex
 - a. A new button will be visible to the user. It will allow the use to open Apex and load the drawing.
 - b. If the following attribute exists in the entity, they will be sent to Apex, allowing the user to add additional information when printing.
 - SubjectInfo_Appraiser
 - SubjectInfo_AppraiserAddress
 - SubjectInfo_Borrower
 - SubjectInfo_CaseNumber
 - SubjectInfo_City
 - SubjectInfo_County
 - SubjectInfo_LenderClient
 - SubjectInfo_FileNumber
 - SubjectInfo_LenderClient
 - SubjectInfo_LenderClientAddress
 - SubjectInfo_Owner
 - SubjectInfo_PropertyAddress
 - SubjectInfo_State
 - SubjectInfo_ZipCode
5. Remove Area Override
 - a. When the Area_Override flag is set to true, this button will be visible.
 - b. If the user click on it, it will set the flag to false and recalculate the area's

Configuration

Temp Setup in BED, OFD, GNA and GSM, should be reviewed by Documentation Team

BED

ENTITY (MA_Drawing)

List of Attributes

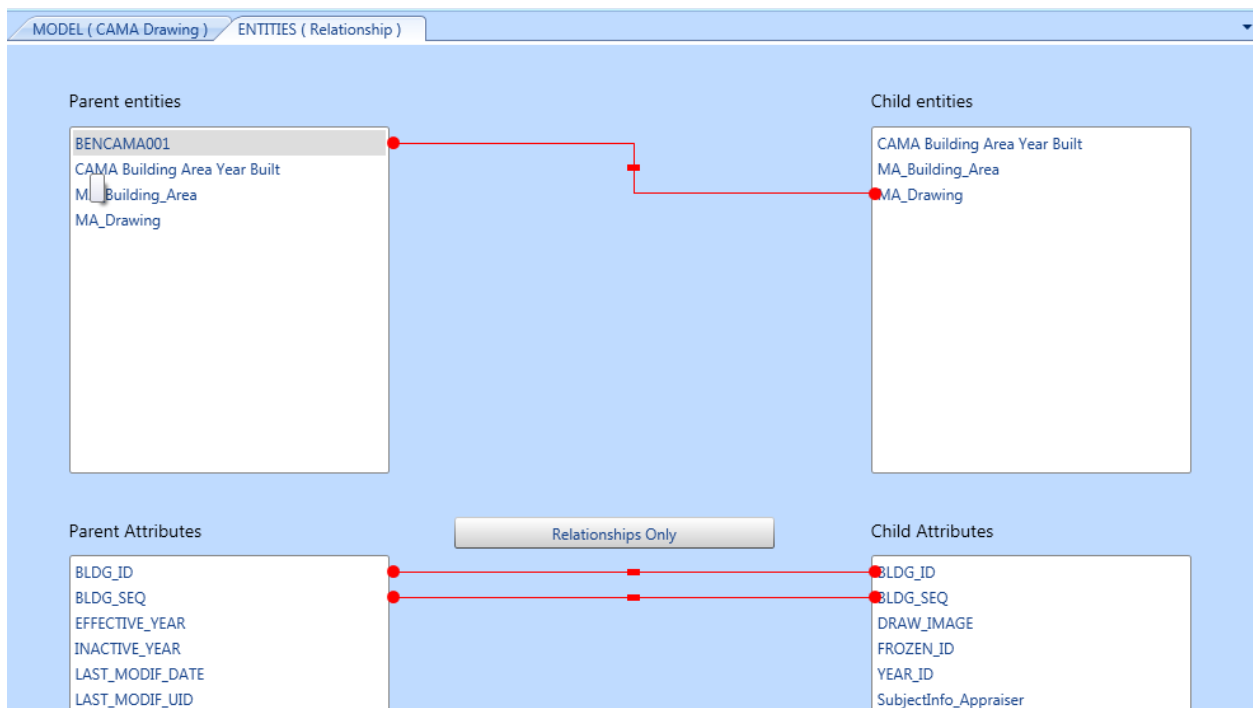
Attribute	Data Type	Is PrimaryKey	Is Required	Datasource	Table	Column
BLDG_ID	Int	True	True	UC2013	MA_BLDG_DRAW	BLDG_ID
BLDG_SEQ	Int	True	True	UC2013	MA_BLDG_DRAW	BLDG_SEQ
DRAW_IMAGE	NByte	False	False	UC2013	MA_BLDG_DRAW	DRAW_IMAGE
FROZEN_ID	Int	True	True	UC2013	MA_BLDG_DRAW	FROZEN_ID
YEAR_ID	Int	True	True	UC2013	MA_BLDG_DRAW	YEAR_ID
SubjectInfo_Appraiser	Text	False	False			
SubjectInfo_City	Text	False	False			
SubjectInfo_Lender	Text	False	False			
SubjectInfo_Owner	Text	False	False			
SubjectInfo_PropertyAddress	Text	False	False			
SubjectInfo_State	Text	False	False			
SubjectInfo_ZipCode	Text	False	False			
APEX_SKETCH_STRING	Text	False	False	UC2013	MA_BLDG_DRAW	APEX_SKETCH_S

Optional

Required

Properties

- 1 - Basic Data Settings
 - ATTRIBUTE: DRAW_IMAGE
 - Data Type: NByte
 - Length: 16
 - Default Value: None
 - Is PrimaryKey: False
 - Is Required: False
 - Calculated Val: False
 - Lookup Value: False
 - Encrypted Valu: False
 - Is Searchable: False
 - Special Attrib: None
- 2 - Data Mapping Settings
 - DataMapping: RelationalDatabase
 - Datasource: UC2013
 - Table: MA_BLDG_DRAWING
 - Column: DRAW_IMAGE
 - Identity Type: None
- 3 - Displaying Settings
 - Label (EN): DRAW_IMAGE
 - Label (FR):
- 4 - Help Settings
 - Help (EN):
 - Help (FR):
- 5 - Centralized Notes
 - Allow Notes: False
 - A note is requir: False



Override Area field – Loaded by Controller

ENTITY (MA_Drawing)

List of Attributes

Attribute	Data Type	Is PrimaryKey	Is Required	Datasource	Table	Column
BLDG_ID	Int	True	True	UC2013	MA_BLDG_DRAW	BLDG_ID
BLDG_SEQ	Int	True	True	UC2013	MA_BLDG_DRAW	BLDG_SEQ
DRAW_IMAGE	NByte	False	False	UC2013	MA_BLDG_DRAW	DRAW_IMAGE
FROZEN_ID	Int	True	True	UC2013	MA_BLDG_DRAW	FROZEN_ID
YEAR_ID	Int	True	True	UC2013	MA_BLDG_DRAW	YEAR_ID
SubjectInfo_Appi	Text	False	False			
SubjectInfo_City	Text	False	False			
SubjectInfo_Lenc	Text	False	False			
SubjectInfo_Own	Text	False	False			
SubjectInfo_Prop	Text	False	False			
SubjectInfo_Stat	Text	False	False			
SubjectInfo_ZipC	Text	False	False			
APEX_SKETCH_S	Text	False	False	UC2013	MA_BLDG_DRAW	APEX_SKETCH_S
OVERRIDE_AREA	Bool	False	False			

Properties

1 - Basic Data Settings

ATTRIBUTE	OVERRIDE_AREA
Data Type	Bool
Length	0
Default Value	None
Is PrimaryKey	False
Is Required	False
Calculated Valu	False
Lookup Value	False
Encrypted Valu	False
Is Searchable	False
Special Attribu	None

2 - Data Mapping Settings

DataMapping	None
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3 - Displaying Settings

Label (EN)	OVERRIDE_AREA
Label (FR)	OVERRIDE_AREA

4 - Help Settings

Help (EN)	
Help (FR)	

5 - Centralized Notes

Allow Notes	False
A note is requi	False

OFD

Apex X

CAMA Building Area

BLDG Area Year Built

NewEntity97

CAMA Drawing APEX

DRAWIMAGE

A

Entity tab item

Controller

MsGovern.OpenForms.CustomControls.dll

MA_BuildingDrawingController

Controller properties

Layout

Height

Horizontal alignment

Stretch

Vertical alignment

Stretch

Width

Misc

Configuration

Click to edit

Name

MA_Drawing

Record description

Tab sequence number

Text

CAMA Drawing APEX

Entity configuration

Attributes

APEX_SKETCH_STRING
BLDG_ID
BLDG_SEQ
DRAW_IMAGE
FROZEN_ID
SubjectInfo_Appraiser
SubjectInfo_City
SubjectInfo_LenderClient
SubjectInfo_Owner
SubjectInfo_PropertyAddress
SubjectInfo_State
SubjectInfo_ZipCode
YEAR_ID

Filters by system ID

Attribute	System ID	
FROZEN_ID	frozen id	
YEAR_ID	year id	

Filters by constants

Attribute	Operator	Constant
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Order by

Attribute	Direction
-----------	-----------

Reposition

Attribute	System ID
-----------	-----------

ID setters

Attribute	System ID
-----------	-----------

OK

Cancel

IET

N/A

Mobile

N/A

Security

N/A

Scenario