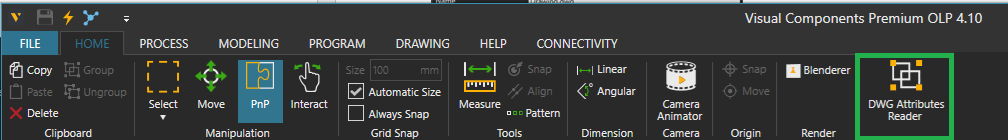
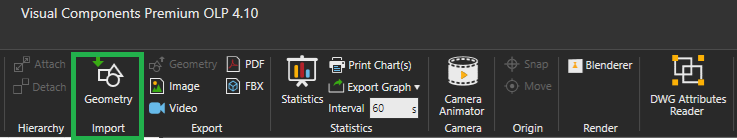
HOW TO TEST:

1. Add the attached ‘Plugin.VCReadDWGBlock.dll, to Visual Components 4.10 installation folder.
2. Launch your Visual Components 4.10 application. You will see DWG Attributes Reader command in your Home tab  
   
3. Click ‘Import ’. Select the attached Drawing.dwg
4. From the ‘Import model’ panel, select the ‘Read block attributes’ check-box and click ‘Import’  
   

A screenshot of a computer

Description automatically generated with medium confidence

If a 2D drawing is built using blocks, importing that 2D drawing with ‘Read block attributes’ creates a component property DWGAttributes. The created DWGAttributes property value will be in JSON data format.  
  
  
Graphical user interface, text

Description automatically generated

1. Select the Drawing.dwg and zero the origin of the component  
     
   Graphical user interface, qr code

   Description automatically generated
2. Click the DWG Attributes Reader command  
   Graphical user interface, text, application, website

   Description automatically generated

A picture containing toilet

Description automatically generatedDiagram

Description automatically generatedThe components are loaded to 3D world

NOTE:

1. The position of the base point for the blocks in 2D drawing is the same as Visual Components component origin
2. The location of the blocks in 2D drawing is not considered in the plugin.

The dll provided is for your reference on how to deserialize the JSON file and query the eCatalog database. This is one way to do it but you can have a different approach.