Functions of Utility (easy) Command Handler(01/04/22)

1. GetElem—Command
2. Input Params – One – enter Element type as in API\_WallID
3. Returns – Element Guid in String Form
4. Must click on the element type Specified
5. GetValue—Command
6. Input Params – Two – Element Type (API\_WallID) & Property Name – in that order
7. Returns -- Value in String Form
8. Must click on Type of and the element desired
9. GetParams – Command
10. Input Params – One – Element Type of Form - i.e. API\_WallID
11. Returns – Writes Available AutoText Properties to Session Report; Returns success or fail
12. Must click on Type of and the element desired
13. GetProjInfo – Command
14. Input Params – None
15. Returns – Writes Project Info Properties to Session Report. Returns success or fail
16. Auto Completes
17. GetPoint – Command
18. Input Params – None
19. Click on point in plan
20. Returns x &y points in String form in a list
21. GetSelected – Command
22. Input Params – None
23. Must pre-select Elements before hand
24. Return – Guids of Elements in the order selected in a list.
25. Returns Array for each element –[ Guid , Layer, Floor, Element ID, Element Type]
26. SetProjInfo – Command
27. Input Params - Two – Property Name then Value
28. Returns – success or fail
29. For Project Info Only
30. GetProjValue – Command
31. Input Params – one – Property Name
32. Returns – Value in String form
33. Input must be in string form
34. GetValueFromGuid - Command
35. Input Params – two- Guid (use string) and AutoText property Key Name (string)
36. Returns Property Value. Must have previous Guid of relevant Element
37. Guid and Key are in String Form
38. GetElemList – Command
39. Input Params – one – Element Type i.e. API\_LabelID
40. Returns Guid list of Elements of specified Type in a list.
41. Returns Only Types not available to Python API such as Label and Text.
42. Use native Python Functions for supported Types.
43. SetLabelText – Command
44. Input Params – Four – Label Guid,’API\_LabelID’,AutoText Property Key ( include <>),fontsize(string)
45. Returns Success or Fail
46. For Existing Associated AutoText labels only (API\_LabelID)
47. Changes selected AutoText Label values
48. GetAutoText – Command
49. Input Params – Guid of Associated Label and Label status (TRUE/FALSE)
50. Returns Value or AutoText Property Key of selected Label
51. For Associated AutoText Labels only (API\_LabelID)
52. TRUE returns value; FALSE Returns Property Key of value
53. ChangeText – Command
54. Input Params – Text Box Guid in String Form And new text.
55. Changes Text Label – can not exceed 254 char; \n is permissible.
56. Text Boxes only (API\_TextID)
57. CreateText – Command
58. Input – Text and font size in mm
59. Creates text box label (API\_TextID) at the clicked Point
60. ChangeLabelText – Command
61. Input – two – guid & text
62. Changes the text of a selected label
63. For API\_LabelID’s
64. Deprecated = Use SetLabelText
65. GetQuantity – Command
66. Input Params – Three – Element Guid, Element Type i.e. API\_WallID, value name
67. Gets quantity values from selected Element.
68. Value name must be as listed in API Quantity Structure.
69. For Walls, Slabs, Doors & Windows Only.
70. CalcQuantities – Command
71. Input – Click a Element
72. Returns – quantities, composites & guids of composites
73. Not all Element types included
74. CalcComponentQuantities – Command
75. Input – Click a Element
76. Returns – Properties of the Elements Components
77. Not All Elements included
78. GetComponets – Command
79. Input – Click a Element
80. Returns – Guids of Elements Components
81. CreateLabel\_Associative – Command
82. Input – two - text & fontsize(string)
83. Click on a Element and second, third points for arrow.
84. Returns success – no error checking
85. Creates a associative label – can use text or property keys
86. If line returns are embedded, must double click on label to re-size text box(bug).
87. ChangeCatCode – Command
88. Input – two – Zone guid and zone category name to change to
89. Use GetSelected to get guid of zone to be changed
90. GetBMAtt -Command
91. Input – one – name of Building Material attribute
92. Returns a list of all user defined properties for that BM Attribute