

```
1 Imports System.Collections.Generic
2
3 Imports Grasshopper.Kernel
4 Imports Rhino.Geometry
5 Imports System.Linq
6 Imports UsageDataCollection
7
8 Public Class CullDuplicates
9     Inherits GH_Component
10     ''' <summary>
11     ''' Initializes a new instance of the CullDuplicates class.
12     ''' </summary>
13     Public Sub New()
14         MyBase.New("Cull Duplicates", "CullDuplicates", _
15             "Cull duplicate values from a list", _
16             "GsaComTools", "Data")
17     End Sub
18
19     ''' <summary>
20     ''' Registers all the input parameters for this component.
21     ''' </summary>
22     Protected Overrides Sub RegisterInputParams(pManager As GH_Component.GH_InputParamManager)
23         pManager.AddTextParameter("Input", "Input", "Input list", GH_ParamAccess.list)
24     End Sub
25
26     ''' <summary>
27     ''' Registers all the output parameters for this component.
28     ''' </summary>
29     Protected Overrides Sub RegisterOutputParams(pManager As GH_Component.GH_OutputParamManager)
30         pManager.AddTextParameter("Output", "Output", "Output list", GH_ParamAccess.list)
31     End Sub
32
33     ''' <summary>
34     ''' This is the method that actually does the work.
35     ''' </summary>
36     ''' <param name="DA">The DA object is used to retrieve from inputs and store in outputs.</param>
37     Protected Overrides Sub SolveInstance(DA As IGH_DataAccess)
38         Dim DataList As New List(Of String)
39         Dim myDataCollector As New DataCollector
40
41         If (Not DA.GetDataList(0, DataList)) Then Return
42
43         Dim Output = DataList.Distinct
44
45         'Send Usage Data
46         myDataCollector.UsageStatistics("CullDuplicates")
47
48         DA.SetDataList(0, Output)
49
50     End Sub
51
```

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52     ''' <summary>
53     ''' Provides an Icon for every component that will be visible in the User  ➤
54     ''' Interface.
55     ''' Icons need to be 24x24 pixels.
56     ''' </summary>
57     Protected Overrides ReadOnly Property Icon() As System.Drawing.Bitmap
58     Get
59         'You can add image files to your project resources and access them  ➤
60         'like this:
61         Return My.Resources.Data_CullDuplicates
62     End Get
63 End Property
64
65     ''' <summary>
66     ''' Gets the unique ID for this component. Do not change this ID after  ➤
67     ''' release.
68     ''' </summary>
69     Public Overrides ReadOnly Property ComponentGuid() As Guid
70     Get
71         Return New Guid("{64328523-65e8-4936-a197-e475848e0cbe}")
72     End Get
73 End Property
74 End Class
```