```vb
 1  Imports System.Collections.Generic
 2
 3  Imports Grasshopper.Kernel
 4  Imports Rhino.Geometry
 5  Imports Interop.gsa_8_7
 6  Imports UsageDataCollection
 7
 8  Public Class SaveViewToFile
 9      Inherits GH_Component
10      ''' <summary>
11      ''' Initializes a new instance of the MyComponent1 class.
12      ''' </summary>
13      Public Sub New()
14          MyBase.New("Save View To File", "SaveView", _
15                      "Saves graphic view to .gwb model folder", _
16                      "GsaComTools", "Views")
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.AddGenericParameter("Gsa", "Gsa", "Gsa COM Object",
             GH_ParamAccess.item)
24          pManager.AddTextParameter("Option", "Option", "ALL_PGV – save all
             preferred Graphic Views." & vbCr & _
25                                  "ALL_SGV – save all saved Graphic Views." &
                     vbCr & _
26                                  "LL_POV – save all preferred Output Views."
                     & vbCr & _
27                                  "ALL_SOV – save all saved Output Views." &
                     vbCr & _
28                                  "ALL_LST – save all View Lists." & vbCr & _
29                                  "TAGGED_PGV – save tagged preferred Graphic
                     Views." & vbCr & _
30                                  "TAGGED_SGV – save tagged saved Graphic
                     Views." & vbCr & _
31                                  "TAGGED_POV – save tagged preferred Output
                     Views." & vbCr & _
32                                  "TAGGED_SOV – save tagged saved Output
                     Views." & vbCr & _
33                                  "TAGGED_LST – save tagged View Lists." &
                     vbCr & _
34                                  "<name> – save the first view or view list
                     found with the specified name.", GH_ParamAccess.item)
35          pManager.AddTextParameter("Filetype", "Filetype", "WMF – save Graphic
             Views to WMF file." & vbCr & _
36                                  "PNG – save Graphic Views to PNG file." &
                     vbCr & _
37                                  "JPG – save Graphic Views to Jpeg file." &
                     vbCr & _
38                                  "TXT – save Output View to tab delimited TXT
                     file." & vbCr & _
39                                  "CSV – save Output View to comma delimited
                     CSV file." & vbCr & _
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40                                      "HTM - save Output View to HTML file.",
                        GH_ParamAccess.item)
41
42
43        End Sub
44
45        ''' <summary>
46        ''' Registers all the output parameters for this component.
47        ''' </summary>
48        Protected Overrides Sub RegisterOutputParams(pManager As
          GH_Component.GH_OutputParamManager)
49            pManager.AddGenericParameter("Gsa", "Gsa", "Gsa COM Object",
               GH_ParamAccess.item)
50        End Sub
51
52        ''' <summary>
53        ''' This is the method that actually does the work.
54        ''' </summary>
55        ''' <param name="DA">The DA object is used to retrieve from inputs and
          store in outputs.</param>
56        Protected Overrides Sub SolveInstance(DA As IGH_DataAccess)
57            Dim myObjectWrapper As Types.GH_ObjectWrapper
58            Dim s As Short
59            Dim sOption, sFiletype As String
60
61            'Import GSA File Name
62            If (Not DA.GetData(0, myObjectWrapper)) Then Return
63            If (Not DA.GetData(1, sOption)) Then Return
64            If (Not DA.GetData(2, sFiletype)) Then Return
65
66            Dim GsaObj As ComAuto = TryCast(myObjectWrapper.Value, ComAuto)
67
68            'Save View
69            s = GsaObj.SaveViewToFile(sOption, sFiletype)
70
71            Select Case s
72                Case 1
73                    AddRuntimeMessage(GH_RuntimeMessageLevel.Warning, "No GSA file
                       is open")
74                Case 2
75                    AddRuntimeMessage(GH_RuntimeMessageLevel.Warning, "Invalid
                       argument")
76            End Select
77
78            ' Assign the data to the output parameter.
79            DA.SetData(0, GsaObj)
80
81            'Send Usage Data
82            Dim myDataCollector As New DataCollector
83            myDataCollector.UsageStatistics("SaveViewToFile")
84        End Sub
85
86        ''' <summary>
87        ''' Provides an Icon for every component that will be visible in the User
          Interface.
88        ''' Icons need to be 24x24 pixels.
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89          ''' </summary>
90          Protected Overrides ReadOnly Property Icon() As System.Drawing.Bitmap
91              Get
92                  Return My.Resources.View_SaveViewToFile
93              End Get
94          End Property
95
96          ''' <summary>
97          ''' Gets the unique ID for this component. Do not change this ID after ⏎
            release.
98          ''' </summary>
99          Public Overrides ReadOnly Property ComponentGuid() As Guid
100             Get
101                 Return New Guid("{85022b61-2455-4b0f-be6f-df7d01c25d09}")
102             End Get
103         End Property
104     End Class
```