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1  /*-----*\
2  * Author    : Salvi Cyril
3  * Date      : 7th june 2017
4  * Diploma  : RaspiHome
5  * Classroom : T.IS-E2B
6  *
7  * Description:
8  *   RaspiHomeServer is a server TCP. It's the m
9  *   ain program, where all command pass before
10 *   to be reply to the good client.
11 \*-----*/
12
13 using System.Collections.Generic;
14 using System.Net;
15
16 namespace RaspiHomeServer
17 {
18     public class RaspberryClient
19     {
20         #region Fields
21         #region Constant
22         // Default port communication
23         private const int DEFAULT_PORT = 54565;
24         private static IPAddress DEFAULT_SERVER = IPAddress.Parse      ↗
25             ("127.0.0.1");
26         private static string DEFAULT_LOCATION = "maison";
27         private static IPEndPoint DEFAULT_IP_END_POINT = new IPEndPoint ↗
28             (DEFAULT_SERVER, DEFAULT_PORT);
29         #endregion
30
31         #region Variable
32         private IPAddress _ipClient = null;
33         private int _portServer = DEFAULT_PORT;
34         private string _location = "";
35
36         private List<Component> _asComponent = new List<Component>();
37         #endregion
38         #endregion
39
40         #region Properties
41         public IPAddress IpClient
42         {
43             get
44             {
45                 return _ipClient;
46             }
47             set
48             {
49                 _ipClient = value;
50             }
51         }
52
53         public string Location
54         {
55             get
```

```
55         {
56             return _location;
57         }
58
59         set
60         {
61             _location = value;
62         }
63     }
64
65     public List<Component> Components
66     {
67         get
68         {
69             return _asComponent;
70         }
71
72         set
73         {
74             _asComponent = value;
75         }
76     }
77
78     public int PortServer
79     {
80         get
81         {
82             return _portServer;
83         }
84
85         set
86         {
87             _portServer = value;
88         }
89     }
90     #endregion
91
92     #region Constructor
93     /// <summary>
94     /// Constructor: Initializer
95     /// </summary>
96     public RaspberryClient(string paramIP, int paramPort, string paramLocation, List<Component> paramLstComponent)
97     {
98         this.IpClient = IPAddress.Parse(paramIP);
99         this.PortServer = paramPort;
100         this.Location = paramLocation;
101         this.Components = paramLstComponent;
102     }
103     #endregion
104
105     #region Methods
106     #endregion
107 }
108 }
109
```