```csharp
 1  /*-------------------------------------------------*\
 2   * Author    : Salvi Cyril
 3   * Date      : 7th juny 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
15  namespace RaspiHomeServer
16  {
17      public class RaspiHomeCommands
18      {
19          #region Commands variable
20          private List<string> _raspiHomeComponentKnown = new List<string>()
21          {
22              "lumiere","lumieres",
23              "store","stores",
24              "television","televisions",
25              "porte","portes",
26              "fenetre","fenetres",
27          };
28
29          private List<string> _raspiHomeActionKnown = new List<string>()
30          {
31              "allumer","allume",
32              "eteindre","eteins",
33              "monter","monte",
34              "descendre","descends",
35              "stopper","stop",
36              "ouvrir","ouvre",
37              "fermer","ferme",
38              "stopper","stop",
39          };
40
41          private List<string> _raspiHomeActionWithoutObjectKnown = new
              List<string>()
42          {
43              "temperature","humidite","pression","etat"
44          };
45
46          private List<string> _raspiHomeLocationKnown = new List<string>()
47          {
48
    "maison","salon","cuisine","parent","enfant","bureau","toilette","bain"
49          };
50
51          private List<string> _raspiHomeCommandUselessConnecter = new
              List<string>()
52          {
53
```

```csharp
        "le","la","les","un","une","des","mon","ma","mes","son","sa","ses","ce","cet",
    "cette","ces","cel","celle","du","de"
54          };
55
56          private List<string> _raspiHomeGrammarCommand = new List<string>()
57          {
58              "allume la lumière", "allume les lumières", "allumer la
                  lumière","allumer les lumières",
59              "éteint la lumière", "éteint les lumières", "éteindre la
                  lumière","éteindre les lumières",
60              "monte le store","monte les stores","monter le store","monter les
                  stores",
61              "déscend le store","déscend les stores","déscendre le
                  store","déscendre les stores",
62              "ouvre le store", "ouvre les stores","ouvrir le store", "ouvrir
                  les stores",
63              "femre le store", "ferme les stores","fermer le store", "fermer
                  les stores",
64              "quelle est la température", "quelle est l'humidité", "quelle est
                  la préssion", "quelle est l'état",
65              "de la maison","de la cuisine","du salon","de la salle de
                  bain","de la chambre","de la pièce",
66          };
67
68          Dictionary<string, string> _raspiLanguageTranslation = new
                Dictionary<string, string>()
69          {
70              { "lumiere","Light"},
71              { "store","Store"},
72              { "temperature","Sensor"},
73              { "humidite","Sensor"},
74              { "pression","Sensor"},
75              { "etat","Sensor"},
76          };
77
78          Dictionary<string, Dictionary<string, bool>>
                _raspiBooleanCommandTranslation = new Dictionary<string,
                Dictionary<string, bool>>()
79          {
80              { "allume", new Dictionary<string, bool> { { "IsOn", true } } },
                  { "allumer", new Dictionary<string, bool> { { "IsOn",
                  true } } },
81              { "eteins", new Dictionary<string, bool> { { "IsOn", false } } },
                  { "eteindre", new Dictionary<string, bool> { { "IsOn",
                  false } } },
82              { "monte", new Dictionary<string, bool> { { "IsUp", true } } },
                  { "monter", new Dictionary<string, bool> { { "IsUp", true } } },
83              { "descends", new Dictionary<string, bool> { { "IsDown",
                  true } } }, { "descendre", new Dictionary<string, bool>
                  { { "IsDown", true } } },
84              { "stop",new Dictionary<string, bool> { {"IsStop",true } } },
                  {"stopper",new Dictionary<string, bool> { {"IsStop",true } } },
85          };
86      #endregion
87
88      #region Properties
```

```
 89            public List<string> RaspiHomeComponentKnown
 90            {
 91                get
 92                {
 93                    return _raspiHomeComponentKnown;
 94                }
 95
 96                set
 97                {
 98                    _raspiHomeComponentKnown = value;
 99                }
100            }
101
102            public List<string> RaspiHomeActionKnown
103            {
104                get
105                {
106                    return _raspiHomeActionKnown;
107                }
108
109                set
110                {
111                    _raspiHomeActionKnown = value;
112                }
113            }
114
115            public List<string> RaspiHomeComponentWithoutActionKnown
116            {
117                get
118                {
119                    return _raspiHomeActionWithoutObjectKnown;
120                }
121
122                set
123                {
124                    _raspiHomeActionWithoutObjectKnown = value;
125                }
126            }
127
128            public List<string> RaspiHomeLocationKnown
129            {
130                get
131                {
132                    return _raspiHomeLocationKnown;
133                }
134
135                set
136                {
137                    _raspiHomeLocationKnown = value;
138                }
139            }
140
141            public List<string> RaspiHomeCommandUselessConnecter
142            {
143                get
144                {
```

```csharp
145                return _raspiHomeCommandUselessConnecter;
146            }
147
148            set
149            {
150                _raspiHomeCommandUselessConnecter = value;
151            }
152        }
153
154        public List<string> RaspiHomeGrammarCommand
155        {
156            get
157            {
158                return _raspiHomeGrammarCommand;
159            }
160
161            set
162            {
163                _raspiHomeGrammarCommand = value;
164            }
165        }
166
167        public Dictionary<string, string> RaspiLanguageTranslation
168        {
169            get
170            {
171                return _raspiLanguageTranslation;
172            }
173
174            set
175            {
176                _raspiLanguageTranslation = value;
177            }
178        }
179
180        public Dictionary<string, Dictionary<string, bool>>
             RaspiBooleanCommandTranslation
181        {
182            get
183            {
184                return _raspiBooleanCommandTranslation;
185            }
186
187            set
188            {
189                _raspiBooleanCommandTranslation = value;
190            }
191        }
192        #endregion
193    }
194 }
195
```