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1 // UserConfiguration.h
2 //
3 //
4 /*=====
5 /*=====
6 /*=====  START USER CONFIGURATION FOR THE I/O  =====
7 /*=====
8 /*=====
9 //
10 // Define all used pins for the application.
11 //
12 // The range of digitals is commenly used. First to define the inputs,outputs and ultrasonics.
13 // The analog out en servo pins are in the PWN range of the board.
14 //
15 const byte NoInputPins    = 3;
16 const byte FirstInput     = 40;
17 const byte NoOutputPins   = 4;
18 const byte FirstOutput    = 22;
19 const byte NoUltrasonic   = 0;
20 const byte FirstUltra     = 0;
21 const byte NoAnaInPins    = 0;
22 const byte FirstAnaIn     = 0;
23 const byte NoAnaOutPins   = 0;
24 const byte FirstAnaOut    = 0;
25 const byte NoServos       = 2;
26 const byte FirstServo     = 8;
27 const byte NoTemp         = 0;
28 const byte OneWireChannel = 0;
29 const byte NoMarkers      = 0;
30 //
31 // IMPORTANT!
32 //
33 // No. of tagnames have to be equal with No. of pins! This is the addressing part between the pins and the tags!
34 // Tagnames are connected with the in/outputs by their order. When done correctly it is possible to programm all
35 // software by tags and phases in an easy way. Don't remove Tag lines (if not used keep them empty)!

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```
36 //
37 String DummyTags[] = { "" };
38 String InputTags[] = { "LINKS", "RECHTS", "PIR" };
39 String OutputTags[] = { "LAMP", "K1", "K2", "AAN" };
40 String AnaInTags[] = { "" };
41 String AnaOutTags[] = { "" };
42 String ServoTags[] = { "RIXT", "BEL" };
43 String UltraTags[] = { "" };
44 String MarkerTags[] = { "" };
45 String TempTags[] = { "" };
46 //
47 // Declaration of all used states in the FSM.
48 // The first and last state "START" and "END" are obligatory and may not be removed, the rest is up to you
49 //
50 String PossibleFSMStates[] = { "START",
51                                "INIT",
52                                "RECHTSOM",
53                                "RUST",
54                                "LINKSOM",
55                                "WEK-RIXT",
56                                "RIXT-DWAALT",
57                                "LAMP-COOL",
58                                "RING",
59                                "WACHT-BEL",
60                                "MOVEMENT",
61                                "STORING",
62                                "END" };
63 //
64 // Start defining User timers don't use predefined timers (stay out of range 200-300)
65 //
66 const byte timRust = 1;
67 const byte TimRixt = 2;
68 const byte TimDwaal = 3;
69 const byte TimTerug = 4;
70 const byte TimLampCool = 5;
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71 const byte TimBel = 6;
72 const byte TimNietBel = 7;
73 const byte TimWachtBel = 8;
74 const byte TimStoring = 9;
75 //
76 // End defining user timers
77 //
78 // START USER SPECIFIC DECLARATIONS
79 //
80 // Start User variables:
81 //
82
83 int HoekRixt;
84 int Richting;
85 int Bellen = 0;
86 boolean ting;
87 int TimBelTijd;
88
89 // End User variables:
90 //
91 // use of the extra MEGA board for the messages, use MessageI2C and/or UseHMISerial, do not remove, only set true or false
92 //
93 boolean UseI2C = false;
94 boolean UseHMISerial = true;
95 boolean UseGPS = false;
96 //
97 /*=====
98 /*=====
99 /*=====  END USER CONFIGURATION =====
100 /*=====
101 /*=====

```