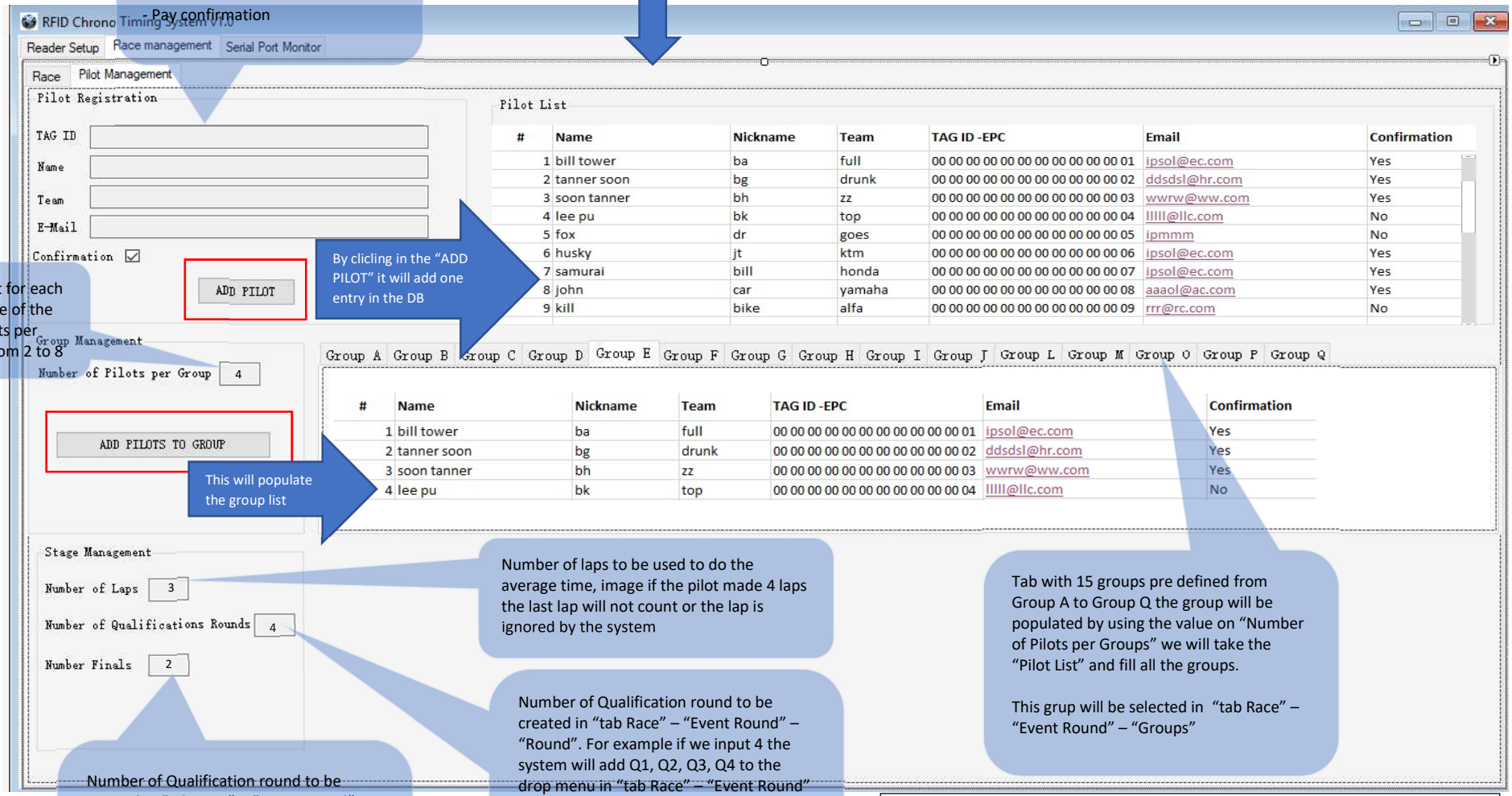
User input pilot information
-Tag id
- Name
- Team
- Email
- Pay confirmation

See the example of the possible DB look



By clicling in the "ADD PILOT" it will add one entry in the DB

Number of pilot for each group, The value of the Number os pilots per group can go from 2 to 8

This will populate the group list

Number of laps to be used to do the average time, image if the pilot made 4 laps the last lap will not count or the lap is ignored by the system

Tab with 15 groups pre defined from Group A to Group Q the group will be populated by using the value on "Number of Pilots per Groups" we will take the "Pilot List" and fill all the groups.

This grup will be selected in "tab Race" – "Event Round" – "Groups"

Number of Qualification round to be created in "tab Race" – "Event Round" – "Round". For example if we input 4 the system will add Q1, Q2, Q3, Q4 to the drop menu in "tab Race" – "Event Round" – "Round"
Note: if to difficult to implement skip this and use a fixed value on the drop menu of Q1 to Q6 and S1 to S6

Number of Qualification round to be created in "tab Race" – "Event Round" – "Round". For example if we input 2 the system will add S1, S2, to the drop menu in "tab Race" – "Event Round" – "Round"
Note: if to difficult to implement skip this and use a fixed value on the drop menu of Q1 to Q6 and S1 to S6

This will serve to attach the pilots to the group and stages, we can choose the stage that we want to race in the Tab Race -> Event Round -> Round and Group, I think this is a simple way to organize the DB. Also add a option to save the DB and clear all the values if need, IF possible an export option to pdf or xls (but can be implemented later)

Possible DB LAYOUT

NUMBER	NAME	NICKNAME	TEAM	EMAIL	CONFIRMATION	TAG ID	PC	ID COUNT	RSSI	Freq.	TRIGGER	LAP2	LAP3	LAP4	LAP5	LAP6	BEST_LPA	AVERAGE
1	Bill Tanner	BT	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 01												
2	Kate Will	KN	X1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 02												
3	John L.	JL	x1	jl@jjl.com	no	00 00 00 00 00 00 00 00 00 00 00 03												
4	Joel A.	JA	c2	ja@ja.com	yes	00 00 00 00 00 00 00 00 00 00 00 04												
5	Bill Tanner	BT	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 05												
6	Kate Will	KN	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 06												
7	John L.	JL	x1	jl@jjl.com	no	00 00 00 00 00 00 00 00 00 00 00 07												
8	Joel A.	JA	c3	ja@ja.com	yes	00 00 00 00 00 00 00 00 00 00 00 08												
9	Bill Tanner	BT	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 09												
10	Kate Will	KN	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 10												
11	John L.	JL	x1	jl@jjl.com	no	00 00 00 00 00 00 00 00 00 00 00 11												
12	Joel A.	JA	c4	ja@ja.com	yes	00 00 00 00 00 00 00 00 00 00 00 12												
13	Bill Tanner	BT	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 13												
14	Kate Will	KN	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 14												
15	John L.	JL	x1	jl@jjl.com	no	00 00 00 00 00 00 00 00 00 00 00 15												
16	Joel A.	JA	c5	ja@ja.com	yes	00 00 00 00 00 00 00 00 00 00 00 16												
17	Bill Tanner	BT	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 17												

Entry number in the DB

Data input from the user in "pilot registration"

Data received from the RFID reader

Calculated by the app

Important: as you understand the DB must by divided in groups and rounds, when we press stop, the result will be saved in the DB using the correspond "Group" an "Round"

The flow of the race is: Qualification rounds, we are going to call then Q1, Q2, Q3 -> Q6 (6 will be the max.)

Each qualification round will take all the groups, for example in Q1 we will have to run all the Group that we called GA,GB,BD,…GQ (15 will be the max.)

After the qualification round we will have the 1/8 – 1/4 and Small final and Final, we call them S1-S2-S3-S4-S5-S6

As we are going to manual select the Qualification round and Groups, it probably best to fix this option and have for Groups a drop box from Group A to Group Q (15 groups) and for rounds Q1 to Q6 and S1 to S6

So we can keep a record on the dB for all the races

Data Field from the first pass, it will set the timer to zero and start counting

Data Field to receive time from the 2nd pass, it will add time since the 1st pass to the 2nd pass, giving the LAP 1 time

Data Field to receive time from the 3nd pass, it will add time since the 2st pass to the 3nd pass, giving LAP2 time

In this field is for the best LAP

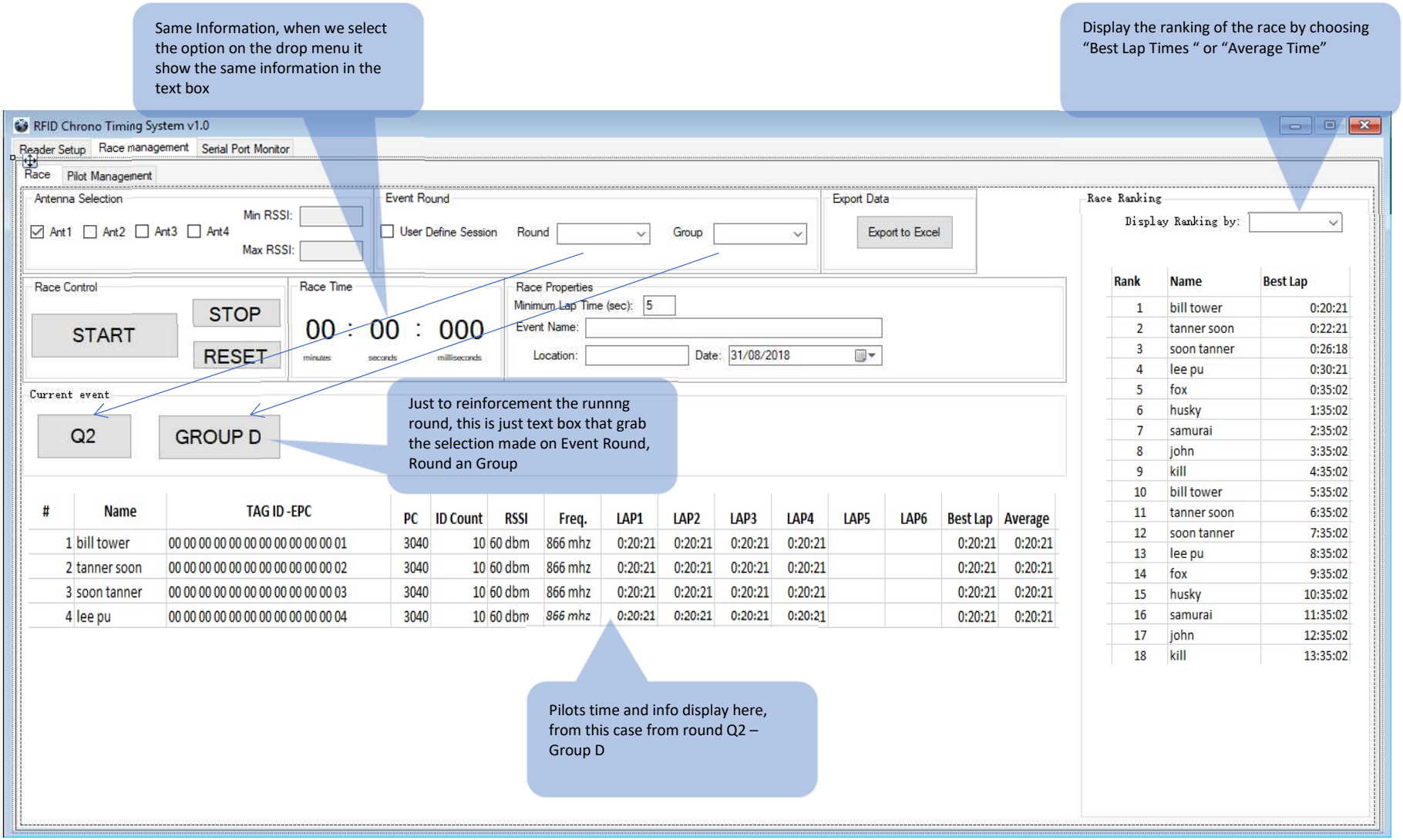
In this field is for Average time of all

Populated DB with data from the reader

NUMBER	NAME	NICKNAME	TEAM	EMAIL	CONFIRMATION	TAG ID	PC	ID COUNT	RSSI	Freq.	TRIGGER	LAP2	LAP3	LAP4	LAP5	LAP6	BEST_LPA	AVERAGE
1	Bill Tanner	BT	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 01	3040	23	50dbm	866 mhz	0:00:00	0:28:33	0:28:33				0:28:33	0:28:33
2	Kate Will	KN	X1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 02	3040	23	50dbm	867 mhz	0:00:00	0:10:04	0:10:04				0:28:33	0:28:33
3	John L.	JL	x1	jl@jjl.com	no	00 00 00 00 00 00 00 00 00 00 00 03	3040	23	50dbm	868 mhz	0:00:00	0:23:33	0:23:33				0:28:33	0:28:33
4	Joel A.	JA	c2	ja@ja.com	yes	00 00 00 00 00 00 00 00 00 00 00 04	3040	23	50dbm	869 mhz	0:00:00						0:28:33	0:28:33
5	Bill Tanner	BT	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 05	3040	23	50dbm	870 mhz	0:00:00	0:38:33	0:38:33				0:28:33	0:28:33
6	Kate Will	KN	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 06	3040	23	50dbm	871 mhz	0:00:00	0:31:33	0:31:33				0:28:33	0:28:33
7	John L.	JL	x1	jl@jjl.com	no	00 00 00 00 00 00 00 00 00 00 00 07	3040	23	50dbm	872 mhz	0:00:00	0:20:14	0:20:14				0:28:33	0:28:33
8	Joel A.	JA	c3	ja@ja.com	yes	00 00 00 00 00 00 00 00 00 00 00 08	3040	23	50dbm	873 mhz	0:00:00	0:22:33	0:22:33				0:28:33	0:28:33
9	Bill Tanner	BT	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 09	3040	23	50dbm	874 mhz	0:00:00						0:28:33	0:28:33
10	Kate Will	KN	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 10	3040	23	50dbm	875 mhz	0:00:00	0:21:31	0:21:31				0:28:33	0:28:33
11	John L.	JL	x1	jl@jjl.com	no	00 00 00 00 00 00 00 00 00 00 00 11	3040	23	50dbm	876 mhz	0:00:00	0:23:34	0:23:34				0:28:33	0:28:33
12	Joel A.	JA	c4	ja@ja.com	yes	00 00 00 00 00 00 00 00 00 00 00 12	3040	23	50dbm	877 mhz	0:00:00	0:18:13	0:18:13				0:28:33	0:28:33
13	Bill Tanner	BT	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 13	3040	23	50dbm	878 mhz	0:00:00	0:13:31					0:28:33	0:28:33
14	Kate Will	KN	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 14	3040	23	50dbm	879 mhz	0:00:00	0:26:26	0:26:26				0:28:33	0:28:33
15	John L.	JL	x1	jl@jjl.com	no	00 00 00 00 00 00 00 00 00 00 00 15	3040	23	50dbm	880 mhz	0:00:00	0:22:57	0:22:57				0:28:33	0:28:33
16	Joel A.	JA	c5	ja@ja.com	yes	00 00 00 00 00 00 00 00 00 00 00 16	3040	23	50dbm	881 mhz	0:00:00	0:19:30	0:19:30				0:28:33	0:28:33
17	Bill Tanner	BT	x1	bt@ct.com	yes	00 00 00 00 00 00 00 00 00 00 00 17	3040	23	50dbm	882 mhz	0:00:00	0:21:32					0:28:33	0:28:33

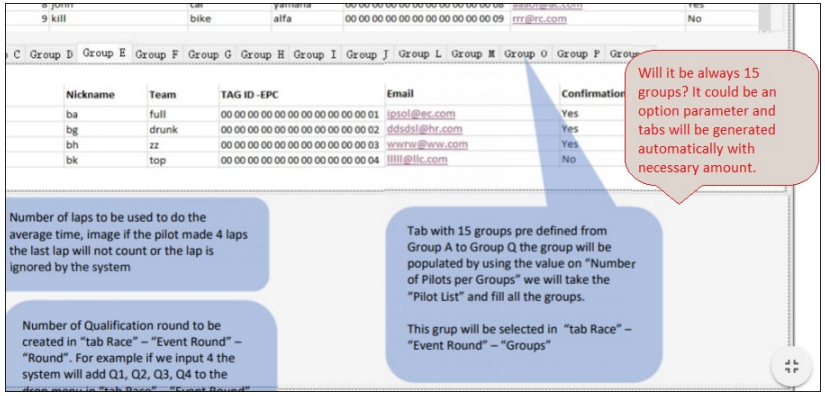
Data received from the RFID reader

Calculated by the app

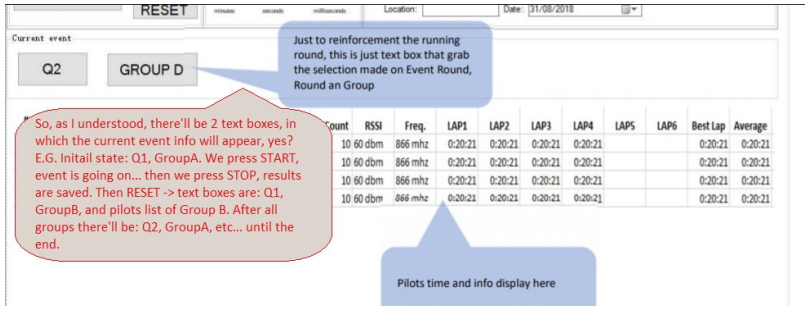


#	Name	TAG ID -EPC	PC	ID Count	RSSI	Freq.	LAP1	LAP2	LAP3	LAP4	LAP5	LAP6	Best Lap	Average
1	bill tower	00 00 00 00 00 00 00 00 00 00 00 01	3040	10	60 dbm	866 mhz	0:20:21	0:20:21	0:20:21	0:20:21			0:20:21	0:20:21
2	tanner soon	00 00 00 00 00 00 00 00 00 00 00 02	3040	10	60 dbm	866 mhz	0:20:21	0:20:21	0:20:21	0:20:21			0:20:21	0:20:21
3	soon tanner	00 00 00 00 00 00 00 00 00 00 00 03	3040	10	60 dbm	866 mhz	0:20:21	0:20:21	0:20:21	0:20:21			0:20:21	0:20:21
4	lee pu	00 00 00 00 00 00 00 00 00 00 00 04	3040	10	60 dbm	866 mhz	0:20:21	0:20:21	0:20:21	0:20:21			0:20:21	0:20:21

Rank	Name	Best Lap
1	bill tower	0:20:21
2	tanner soon	0:22:21
3	soon tanner	0:26:18
4	lee pu	0:30:21
5	fox	0:35:02
6	husky	1:35:02
7	samurai	2:35:02
8	john	3:35:02
9	kill	4:35:02
10	bill tower	5:35:02
11	tanner soon	6:35:02
12	soon tanner	7:35:02
13	lee pu	8:35:02
14	fox	9:35:02
15	husky	10:35:02
16	samurai	11:35:02
17	john	12:35:02
18	kill	13:35:02



Yes, the max groups will be 15



Yes, this if the idea, please see this explanation

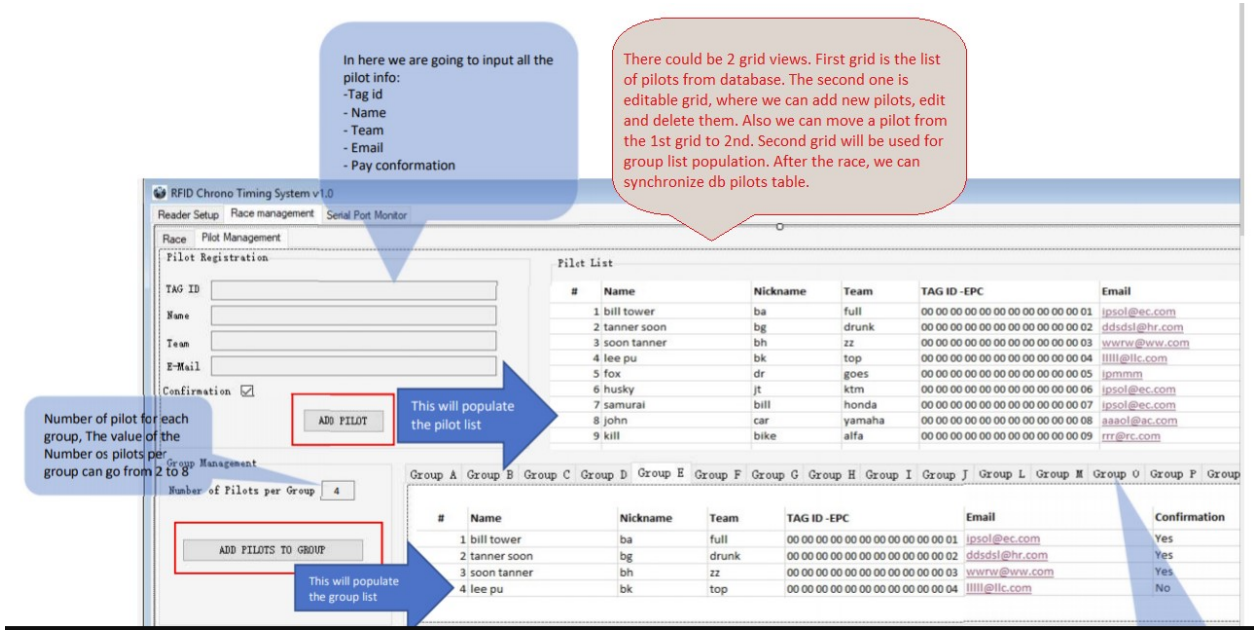
Important: as you understand the DB must by divided in groups and rounds, when we press stop, the result will be saved in the DB using the correspond "Group" an "Round"

The flow of the race is: Qualification rounds, we are going to call then Q1, Q2, Q3 -> Q6 (6 will be the max.)

Each qualification round will take all the groups, for example in Q1 we will have to run all the Group that we called GA,GB,BD,…GQ (15 will be the max.)

After the qualification round we will have the 1/8 – 1/4 and Small final and Final, we call them S1-S2-S3-S4-S5-S6

As we are going to manual select the Qualification round and Groups, it probably best to fix this option and have for Groups a drop box from Group A to Group Q (15 groups) and for rounds Q1 to Q6 and S1 to S6



That can be one option if it simple to implement for you