Important notes:

- the average time must be the average time of the best **3 times of all lap times done in qualification round**, as is right now is the average of all times we must filter the times to only use the best 3 lap times, the rules says that must be only the average of the best 3 times.

In the rank, the displayed average time must be done only by get the best 3 laps done in the qualification rounds

- remove the random allocation of pilots to the groups in the qualification, I need to organize the groups a few day earlier and send that information to pilots, it's best to add the pilots by the order entered in the pilot registration form, we will think a better way latter.

- organize the structure of the db and make it functional, so I don't need to load all pilot and tag information, again and again ☺ and also to make the app to extract info to put online.

- Add an option to edit the fields in the round management if I detect any error in the order of the pilot in each roud I can fix it, just by editing the fields

Other notes:

- The ranking is only for the qualification rounds, when we pass to the other round we must use the finish places for that specific round to define the pilot that pass to the other round and the pilots that go out.

- Creating a array for tag EPC, instead of use the hex value of the EPC use only a simple 01, 02, 03 to 60
  00 00 00 00 00 00 00 00 00 00 00 01 -> 01
  00 00 00 00 00 00 00 00 00 00 00 02 -> 02
  00 00 00 00 00 00 00 00 00 00 00 03 -> 03
  00 00 00 00 00 00 00 00 00 00 00 04 -> 04
  to
  00 00 00 00 00 00 00 00 00 00 00 60 -> 60

PILOT MANAGEMENT TAB

RFID Chrono Timing System v1.0

Reader Setup | Race management

Pilot Management | Race | Tag Inventory(Real Time Mode) | Tag Inventory(Fast Switch Antenna Mode) | Access Tag

Pilot Registration

TAG ID
Name
Nickname
Team
E-mail
Confirmation

Add Pilot   Add From DB

Tab name "Pilot Management"

Pilot List

#	Name	Nickname	Team	TAG ID	E-Mail	Confirmation

This will be the new tab, just for pilot registration

ROUND MANAGEMENT TAB

We need to remove the random allocation for the qualification round, it's best to add the pilot by the order entered in the pilot registration form

"Round Management" in detail – QUALIFICATION ROUNDS

Rename this to "Qualification Round"

Rename button to "Add Pilots to Qualification Round"

Perfect, this will be Q1, Q2, ...

Group Management

Number of Pilots per Group 4

ADD PILOTS TO GROUPS

Group A	Group B	Group C	Group D	Group E	GroupF	Group G	Group H	Group I	Group J	Group K	Grou...	...p M	Group N	Group O

#	Name			Nickname	Team	TAG ID		E-Mail	Confirmation

"Round Management" in detail – 1/4 ROUNDS

Rename this to" 1/4 Round"

Rename this button to"Add Pilots to 1/4

Group Management

ADD PILOTS TO GROUPS

Group A	Group B	Group C	Group D	Group ...		Group K	Group L	Group M	Group N	Group O

Only 4 groups are needed

#	Name		TAG ID	E-Mail	Confirmation

This will be R1,R2, R3 and R4

Important:

the average time must be the average time of the best 3 times of all time laps done in qualification round.

When we click in add pilots to 1/4 round the app will grab the pilots using the Best Average time on Race rank

Draw for 1/4th final round				
Race 1	Placed 1	Placed 5	Placed 9	Placed 13
Race 2	Placed 4	Placed 8	Placed 12	Placed 16
Race 3	Placed 3	Placed 7	Placed 11	Placed 15
Race 4	Placed 2	Placed 6	Placed 10	Placed 14

Use this formula to populate the 1/4 group

Place of the pilot in the ranking, using the average time of the best 3 times of all time laps done in qualification round.

"Round Management" in detail – Semi FINAL

Rename this to" Semi Final Round"

Group Management

| Group A | Group B | Grou... | ... | Group I | Group J | Group K | Group L | Group M | Group N | Group O |

Only 2 groups are needed

| # | Nam... | Team | TAG ID | E-Mail | Confirmation |

ADD PILOTS TO GROUPS

Rename this button to"Add Pilots to Semi Final"

This will be S1 and S2

Semi-final round

Semi 1	2nd race 1
	1st race 1
	1st race 2
	2nd race 2
Semi 2	2nd race **3**
	1st race 3
	1st race 4
	2nd race 4

Use this formula to populate the Semi Final group

Group Management

| Group A | Group B | Gow... | ... | Group H | Group I | Group J | Group K | Group L | Group M | Group N | Group O |

Only 2 groups are needed

| # | Nam... | Team | TAG ID | E-Mail | Confirmation |

ADD PILOTS TO GROUPS

Rename this to" Final Round"

Rename this bottun to Final Round

This will be F1 and F2

FINAL A	1st on Semi 1
	2 nd on Semi 1
	1st on Semi 2
	2nd on Semi 2
FINAL B	3st on Semi 1
	4nd on Semi 1
	3st on Semi 2
	4nd on Semi 2

Use this formula to populate the Final group