

# Championship Manager - Bug #4

## Event scheduling

11/14/2015 05:46 PM - Jesús M. Broceño

<b>Status:</b>	Closed	<b>Start date:</b>	11/14/2015
<b>Priority:</b>	Normal	<b>Due date:</b>	05/21/2021
<b>Assignee:</b>	Jesús M. Broceño	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>	1.15.09		
<b>Description</b>			
Add scheduler for planning and automatizing the race day. The event could include different races from different classes and it must allow customize the scheduling classes/rounds sort and times  Race duration will be used from the race settings (practice time + race time)			

### History

#### #1 - 12/17/2015 10:53 PM - Jesús M. Broceño

The main concern is ZRound Manager doesn't create the runs until they start so I don't have the records in the database defining all heats/rounds to facilitate the scheduling. I have included the code to create the runs for all Heats at the very first heat distribution without populate them with racers (it's impossible as they are resorted after every qualify).

The idea is to implement a new concept called "event" . An "event" is a set of race starting on a date. You would be able to add races belonging to a championship (like our club session races) or single races like the PN World Cup classes.

Some settings must be configured to allow an automatic scheduling:

- Order: It will establish how the races will be sort. I'm thinking on three fields to generate the sort:
  - o Round
  - o Group (Heat/Main)
  - o Race (class)

Examples for two rounds/two groups/two races:

```
Sort round->race->group: Round 1/Stock/Heat A->Round 1/Mod/Heat A->Round 2/Stock/Head A->Round 2/Mod/Head A-> Round 1/Stock/Heat B->Round 1/Mod/Heat B->Round 2/Stock/Head B->Round 2/Mod/Head B
Sort round->group->race: Round 1/Heat A/Stock->Round 1 /Heat B / Stock->Round 1/Heat A/Mod->Round 1/Heat B/ Mod -> Round 2/Heat A/Stock->Round 2 /Heat B / Stock->Round 2/Heat A/Mod->Round 2/Heat B/Mod
Sort race->round->group: Stock/Round 1/Heat A->Stock/Round 1/Heat B->Stock/Round2/Heat A->Stock /Round 2/He at B->Mod /Round 1/Heat A->Mod/Round 1/Heat B->Mod/Round 2/Heat A->Mod/Round 2/Heat B.
```

I think the race->round->group sort should be the default option. The ascending/descending criteria could be also included (a->b->c->... or ...->c->b->a)

- Time paused after runs. Time to wait until the next run once one has finished allowing racers access the driving place.
- Time paused after blocks. Extra time to wait until the next "block of races" begins. It will be based on the sort criteria. For example, if the sort is race->round->group then when all groups complete the first round this pause will be done.
- The run duration will be the heat/main duration + practice time defined into the race settings.

Once the scheduling has been sorted, you could manually change it moving slots up and down and start/end times will be re-computed.

There is already a mock-up for the user interface I use for testing options with the sort (race->round->group).

Events can be more than a day long. It is done by editing the race you want on the second day and changing the date. Then the next races are rescheduled.

The scheduling will have an html output. It could be used for publishing, printing or copied to excel.

I will include the option for starting the run from the scheduler and to automatize all the process although I don't know if it is desirable as resorts must be done, printed and published. The same for the mains.

clipboard-202210160119-assdr.png

clipboard-202210160119-3wzq.png

**#2 - 10/15/2022 11:19 PM - Jesús M. Broceño**

- File clipboard-202210160119-assdr.png added

- File clipboard-202210160119-3wzq.png added

- Description updated

2016-12-09:

- Implemented database layer class
- Closed user interface v1
- Races can be rearranged by drag&drop or by Ctrl Up-Down keys
- Implemented search event for creating/reading/deleting events

2016-12-18:

- Implemented scheduling options, print outs, resorts
- Unit test OK
- Documented on video tutorial: <https://www.youtube.com/watch?v=OKSZgvc-B5Y>

Waiting for users feedback

2017-04-11: No news, good news. Not full tested but ready to receive issues. It's time to close the ticket

## Files

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clipboard-202210160119-assdr.png	429 KB	10/15/2022	Jesús M. Broceño
clipboard-202210160119-3wzq.png	80.5 KB	10/15/2022	Jesús M. Broceño