

Manual for race-clock

Requirements

- **JAVA 17 OR LATER**

How to install

- Unzip the zipped release file
- Ensure that the following files exist
 - gui_files/drivers.txt
 - gui_files/start.txt
 - gui_files/end.txt
 - race.properties

How to run the programs

1. Set up the race.properties with the desired paths, minimum time and settings.
2. Double click the register-v3.0.jar file
 - If nothing happens try running this command in the release folder.
 - `java -jar register-v3.0.jar`
3. After registering the times, run result-v3.0.jar to generate a result file using this command:
 - `java -jar result-v3.0.jar`

How to use the GUI

Register

When launching the register GUI, you will be presented with three sections in the same window.

1. The leftmost section represents the drivers.txt file and presents the driver names, numbers and classes
2. The middle section contains the start times along with the driver numbers they represent
3. The rightmost section contains the recorded end times for the drivers, noted by the driver number they represent.

Adding drivers

1. Press the “add driver button”
2. Press “yes” or “no” on the prompt that pops up depending on the class of the driver

Starting Race

- Note that pressing the “start” or “masstart” buttons will record the current time when the button is pressed, not when the registration is finished.
- To start the race for only one driver press the “start” and enter the driver number.
 - a. If the driver number is not available you can edit it later.
- To start the race for everyone or for one class, press the “masstart” button.
 - Note that there is a “mixed” button that allows you to select the drivers to start the race. This option allows for drivers from different classes to be started simultaneously.

Finishing Race

- Press finish and enter the driver number of the driver that finished in the pop-up prompt.

Editing a row

- Double click the entry that you want to edit. Note that the time cannot be edited.
- To remove a highlight on a specific row, hold command and click on it
 - On Windows hold CTRL and click on the row.

Deleting a row

- Highlight the row that is to be deleted and press the delete button.

Exiting the program

- Press “exit” to exit

Result

- To generate the result text file, run the command that is specified in the “How to run the programs” section

How to use the GUI

Navigate inside the release directory

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1. Run this command in terminal `java -jar result-v3.0.jar`
2. Press the “open settings” button to access the settings
3. Select the race.properties file that you wish to use
4. If paths for start, end and drivers are specified, they will be automatically filled in, otherwise manually select them
5. Select racetype in the dropdown
6. Then press the “calculate result” button in the main window.