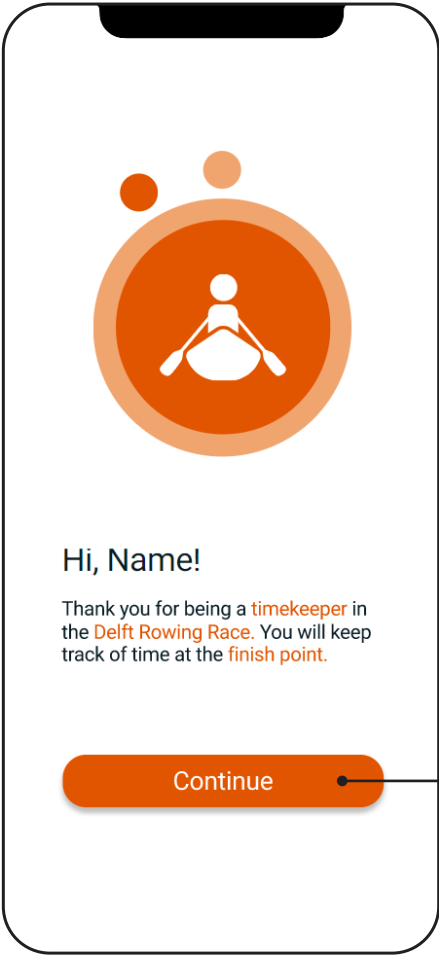
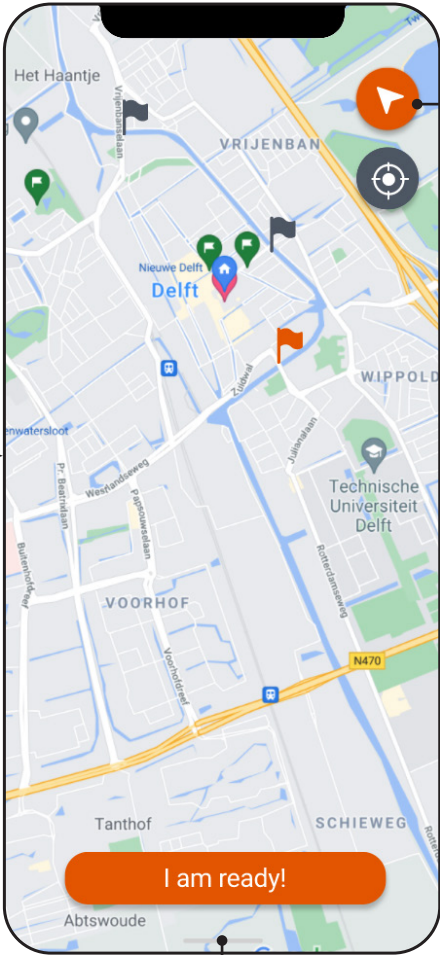
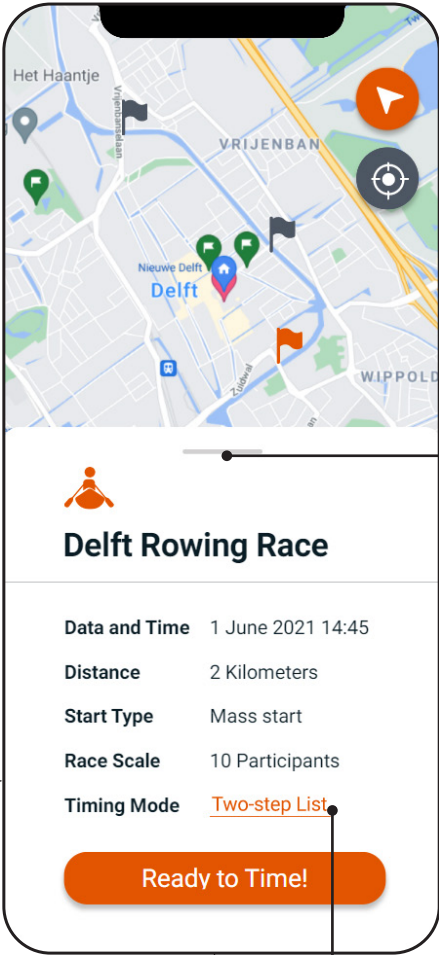


Quick Fixes and Interfaces

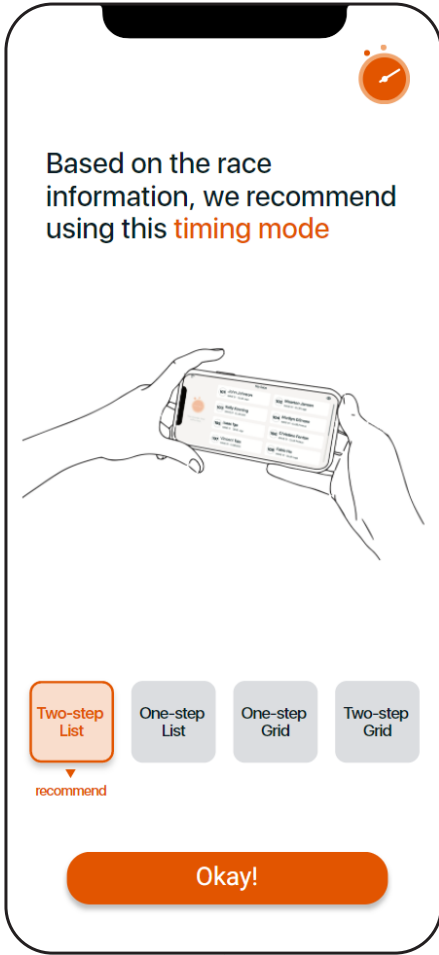
88



Team A1 | RaceClocker



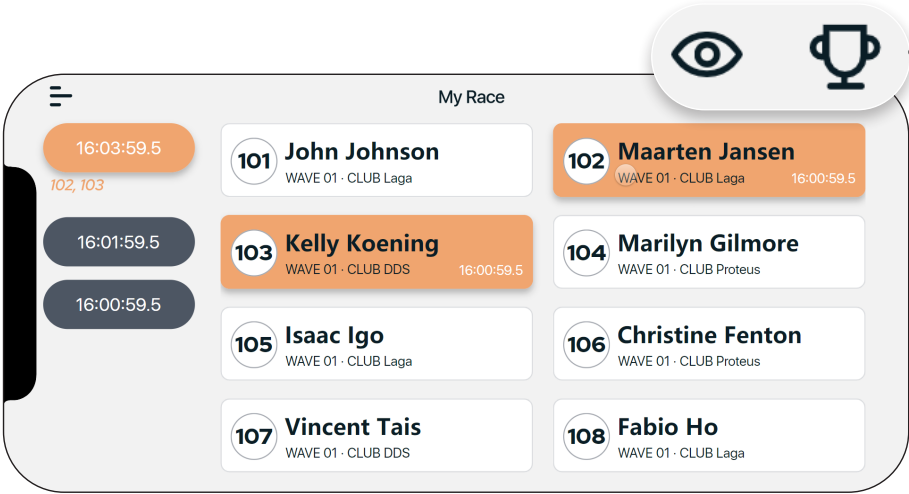
Team A1 | RaceClocker



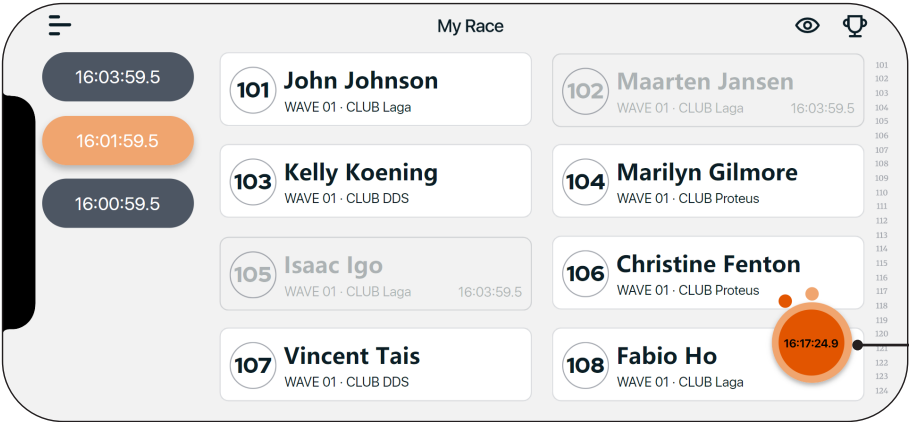
The onboarding page is modified to better guide the timekeeper to select the most suitable timing mode. The timing mode is preselected. Timekeepers can also click to override it. The recommendation page shows the reason why a certain mode is recommended.

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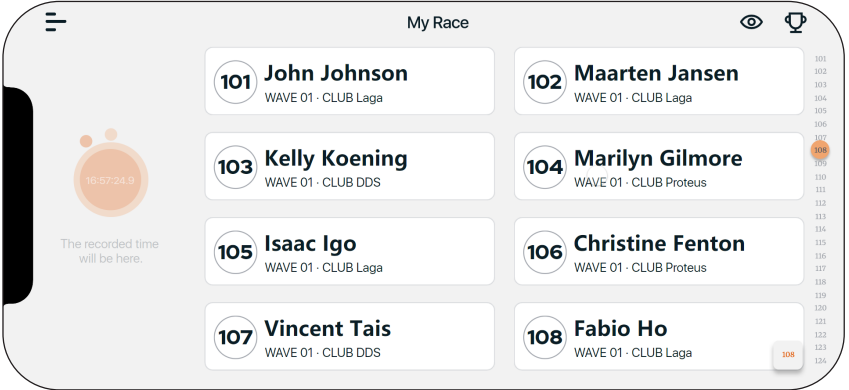


We add the result button at the top right corner. Timekeepers can check the result anytime.



We suggest adding a digital timing button. This can be activated in the setting. It is designed for those cases where the volume button can't work or timekeepers still need a digital button as an assistive button.

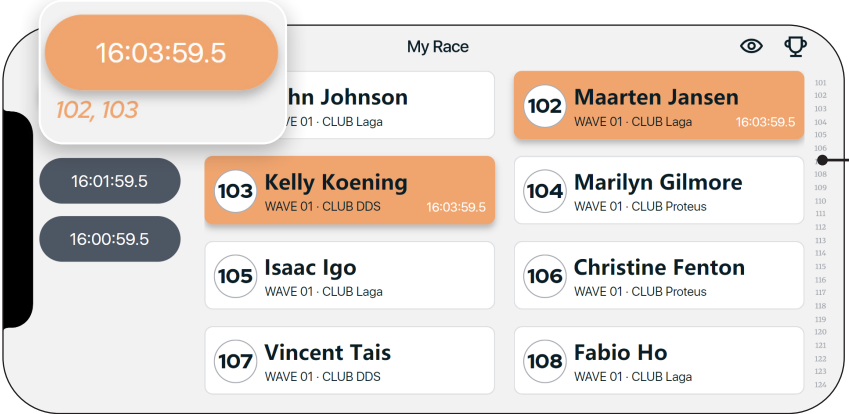
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The quick scrolling bar is added to assist timekeepers to quickly find the participant when the participant list is long. The scrolling bar can be numeric (for bib/bow numbers) or alphabetic (for names).



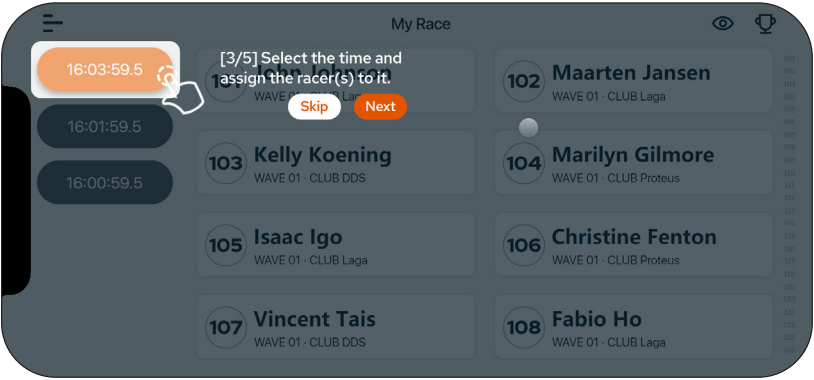
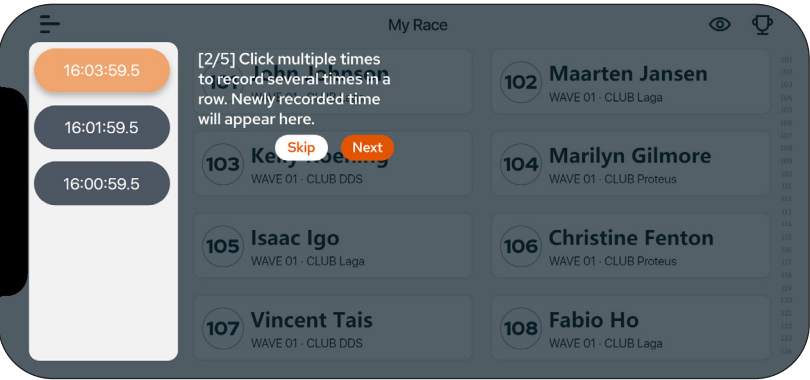
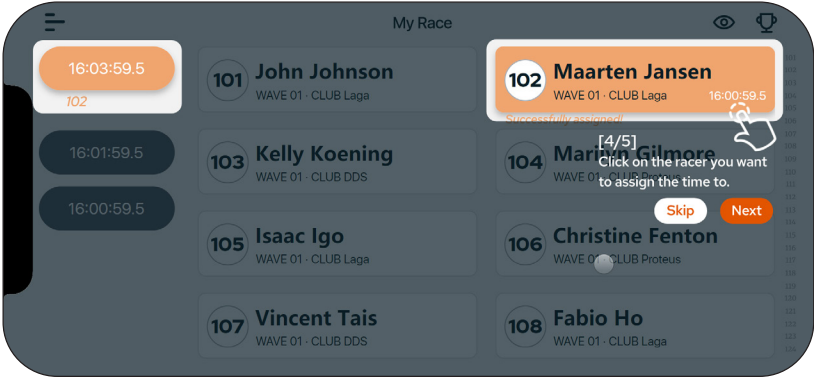
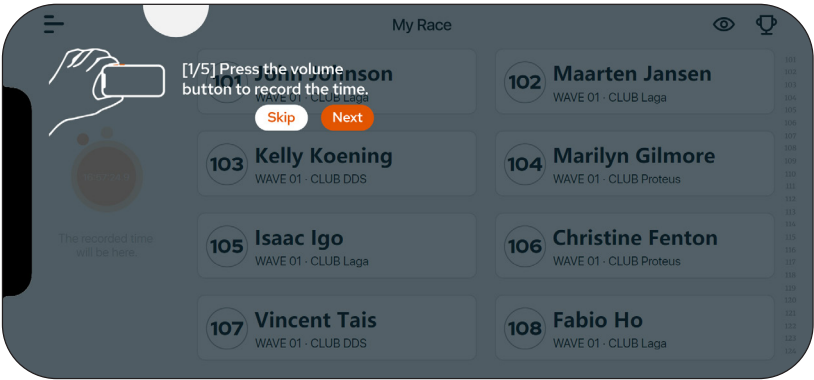
When the timekeepers assign a time to a participant for the first time, there will be a confirmation text 'successfully assigned!' appearing below the selected participant. It will disappear automatically after 3 seconds. The text will only show up at the first time.



We add number indicators below the time buttons. Timekeepers can have a quick overview of participants who have been assigned to the corresponding time.

Future recommendations that need testing

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- [1/5]
- [2/5]
- [3/5]
- [4/5]
- [5/5]

Suggested Guidance Contents
[1/5] Press the volume button to record the time.
[2/5] Click multiple times to record several times in a row. Newly recorded time will appear here.
[3/5] Select the time and assign the racer(s) to it.
[4/5] Click on the racer you want to assign the time to.
[5/5] You can assign multiple racers to a same recorded time.

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Beginner Guidance

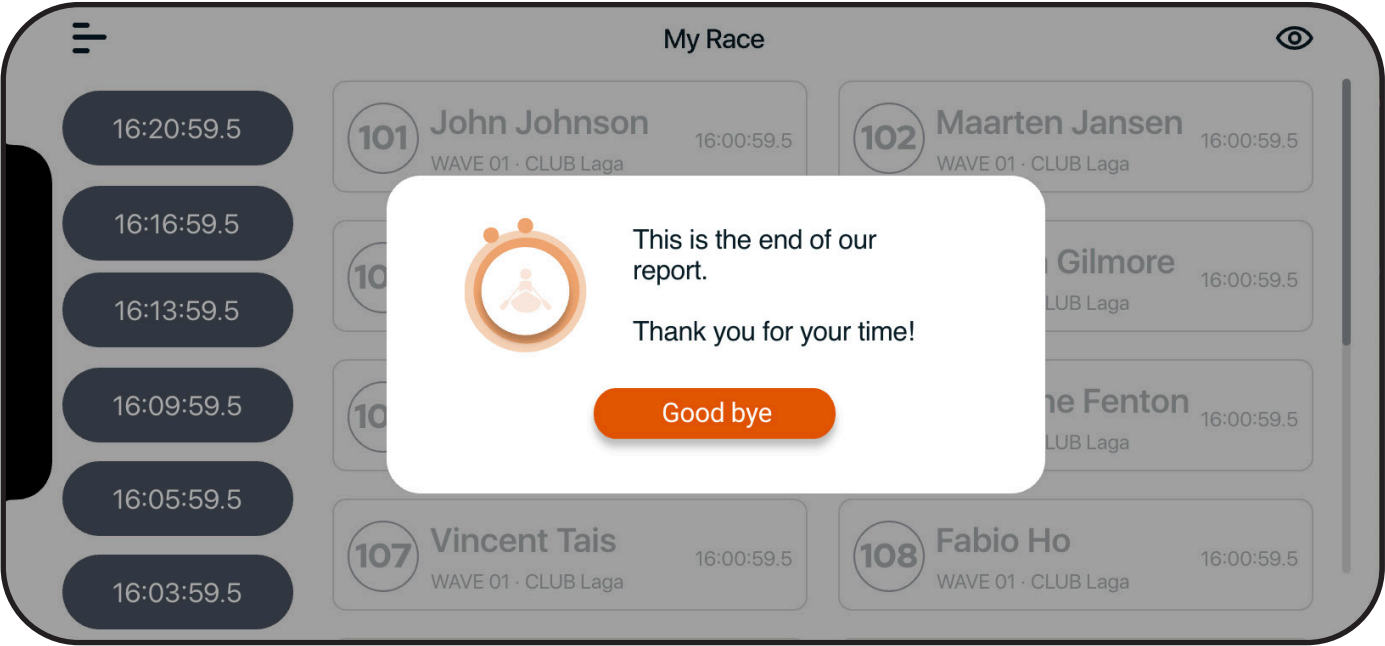
We suggest adding a brief guidance for the first time users. But how the guidance should look like still needs testing.

Two-step Keypad Mode

We suggest integrating the third sub-mode inside the two-step mode - a *two-step keypad* mode. It will solve the pain point of finding the racer by directly typing in the number.

Photo Backup

We suggested adding a new feature of taking a photo as a backup. It will solve the problem of forgetting which racers belong to what time.



References.

- [1] Official website RaceClocker
<https://www.raceclocker.com>
- [2] Miro board 1 of team A1
https://miro.com/app/board/o9J_IUyEEbA=/
- [3] Miro board 2 of team A1
https://miro.com/app/board/o9J_IQDFPtw=/v
- [4] Miro board 3 of team A1
https://miro.com/app/board/o9J_IJRkX1E=/
- [5] Miro board 4 of team A1
https://miro.com/app/board/o9J_IARKlks=/
- [6] Attrakdiff
<http://attrakdiff.de/index-en.html>
- [7] SMEQ scale
https://measuringu.com/papers/Sauro_Dumas_CHI2009.pdf
- [8] SUS
<https://www.usability.gov/how-to-and-tools/methods/system-usability-scale.html>
- [9] Lookback.IO
<https://lookback.io>