Requirements document

August 26, 2025

This document represents meeting notes that were taken from your boss who talked to the customer. Please see these as initial notes, the customer might change their mind when they see your design, request changes or give you more information in due course. That is all part of the plan. It is also important that you ask questions if you are not sure how you should interpret certain requirements.

Requirements

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The customer wants a system for bike racing registrations where Organizers of events can publish races, people who want to race can sign up, and the system should also keep track of the old races so racers can "level up" and start in higher categories (cat).

User Roles and Permissions

- **Organizers**: Can create and manage races, including stages and registration limits.

- **Racers**: Can sign up for races, purchase licenses, and review races.

- **Administrators**: Can manage user accounts, licenses, and overall system settings.

Racer Registration

- Racers who officially want to race need to sign up with the system with their name and credit card information.

- To be able to register for official races, they need to buy a license.

- The license is always valid for 1 year and has a specific ID and is for the racer's current level (cat).

- Racers are sorted into categories 5-1, where 5 is beginner and 1 is the best category.

- Racers can only race in official events if they have the cat required, so they need to race against others their level.

Race Creation

- Organizers can create races.

- A race can be of specific type (e.g., road race, criterium, time trial, gravel).

- Each race is on a specific date, has a specific type, miles, and a route.

- Each race has to offer all the above categories (Vat 5-1) to give racers the opportunity to race no matter what their category is.

- Races also have a limit of participants and a "last day of registration".

- Races can be official or unofficial. Unofficial ones can be raced by people without a license but do not count towards their category upgrades. Official races do.

Category Upgrades

- When someone has 5 podiums (so 1st, 2nd, 3rd place in a stage), they level up to the next better category.

Race Results and Reviews

- The system needs to be able to keep track of all the races and the results a racer had for a particular race.

- The race results with podiums are entered into the system by a Race Organizer.

- Racers will be notified if they have been upgraded to a new category.

- Racers can also review a particular race to provide feedback.

Questions and Clarifications

- If you have any questions or need clarifications on any of the requirements, please ask. It is expected that you might want to discuss details and ideas you have with the customer, so basically me.