Refined Requirements: Swimming App Business Plan

Clear and Structured Functional Specification

# Overview

* The Swimming App’s core assignment and optimisation logic is fully developed and should remain unchanged.
* Enhancements are required to professionalise the user experience without affecting optimisation logic.

# Team Management Functionality

* Implement a ‘save’ feature allowing users to record multiple teams for different events and competitions.
* Design a new home page displaying all previously created teams. The list or display format is flexible; select the most intuitive front-end presentation.
* Include a ‘Create Team’ button on the home page. Selecting this guides users through the team creation workflow (e.g. data upload, swimmer selection, event assignment).

# Team Creation Workflow

* Before uploading data, prompt the user to confirm the team template by selecting the competition type. This step determines the event list and individual event limits for the team.
* Age calculation should remain as currently coded: age as of December 31st.

The competition types and rules:

Arena League

Uses the current event list.

Maximum individual events per swimmer: 2.

County Relays

Relay events only (no individual events).

Event list includes:

4 x 50m Freestyle: Male & Female, Age groups: 12, 14, 16 and under

4 x 100m Freestyle: Male & Female, Age group: Open

4 x 200m Freestyle: Male & Female, Age group: Open

4 x 50m Medley: Male & Female, Age groups: 12, 14, 16 and under

4 x 100m Medley: Male & Female, Age group: Open

Ignore individual event limits for relays.

Custom Competition

User can select and configure events (individual and relay) from a comprehensive list.

Front end should allow searching and filtering events by type, stroke, age group, and gender.

Individual events available:

50m & 100m of all strokes, 200m individual medley; Male & Female

Age groups: 11, 12, 13, 14, 15, 16, Open

Relay events available:

4 x 50m Freestyle & Medley Relay for all age groups and genders

4 x 100m Freestyle & Medley Relay for ages 15, 16, Open; both genders

User specifies the maximum number of individual events per swimmer; can set any integer or ‘No limit’.

After template confirmation, direct user to the existing data upload page.

# Saving and Editing Teams

* Uploading a CSV for a team should automatically save that team and make it visible on the home page list.
* At each step (data upload, squad selection, event assignment), the user can exit and return to the home page. All progress (including deselected swimmers) should be saved for that team.
* Teams where the user reaches the ‘Results’ (clicks ‘Optimise’) are marked as ‘complete/final’. Teams with uploaded CSV but not optimised are marked as ‘incomplete’.
* Users can edit any team at any stage, including after marking complete, allowing further swimmer selection, event assignment, and re-optimisation.

# Additional Notes

* Do not modify or affect the existing optimisation logic.
* User actions should be intuitive and all changes should be preserved between sessions.