

**User stories and non-functional requirements**

**User Stories/Epics**

* [U] As an athlete I want to be able to view all my race results so that I can see how I’ve improved over time.
* [U] As a coach I want to be able to log in and see my team’s data on my dashboard.
* [E] As a coach I want the system to predict how well athletes will perform in future events based on past results.
* [E] As a coach I want the system to help me devise new strategies for future events to capitalize on a meet’s point system.
* [E] As a coach I want to be able to set the particular training regimen I’m putting my team through and have the system predict how my team’s race times will be affected by this training so that I can optimize what training I give my athletes.
* [U] As a visitor, I would like to be able to see meet results by team not only athletes so I can see how my favorite team performed.
* [E] As a coach, I want the system to predict opposing teams times based on past results so we can have an advantage over our opponents.
* [U] As an athlete, I want all my PR’s displayed on my dashboard.
* [U] As a coach I want to be able to add and remove athletes from my team so that I can keep my roster current.
* [U] As an athlete, I want to view the training regimen my coach has set up for me so I can stay up to date with my training.
* [U]As a coach I want to be able to see all of my athletes personal records for each event.
* [U]As a coach I would like to see which events my athletes are commonly avoiding.

GIVEN FROM THE PROMPT

* [U] As a visitor to the site I would like to see a fantastic and modern homepage that introduces me to the site and the features currently available.
* [U] As a visitor to the site I would like to be able to register an account so I will be able to access athlete statistics.
* [E] As an administrator I want to be able to upload a spreadsheet of results so that new data can be added to our system.
* [U] As a visitor I want to be able to search for an athlete and then view their athlete page so I can find out more information about them.
* [U] As a visitor I want to be able to view race results for an athlete so I can see how they have performed.
* [U] As a visitor I want to be able to view PR's (personal records) for an athlete so I can see their best performances.
* [U] As a robot I would like to be prevented from creating an account on your website so I don't ask millions of my friends to join your website and try to add comments about male enhancement drugs.

**Non-functional Requirements**

* All data transmitted between the client and the server needs to use the HTTPS protocol.
* All athlete data should be stored in a database.
* Usernames should be unique and passwords should be 8+ characters.
* The site will include images that evoke swimming and competition.
* The “super” admin will add other admin accounts to the system.  
    
  GIVEN FROM THE PROMPT:
* User accounts and data must be stored indefinitely. They don't want to delete; rather, mark items as "deleted" but don't actually delete them. They also used the word "inactive" as a synonym for deleted.
* Passwords should not expire
* Site should never return debug error pages. Web server should have a custom 404 page that is cute or funny and has a link to the main index page.
* All server errors must be logged so we can investigate what is going on in a page accessible only to Admins.
* English will be the default language.