

345 Monmouth Ave N, Monmouth, OR 97361

Needs and Features:

1. ***The solution needs a profile for each athlete that includes include multiple statistics.***
2. Personal records will be displayed for each race event
3. A historical picture/plot based on performance per race type and distance
4. The athletes rank compared to other athletes
5. Events that the athlete most commonly competes in
6. Events that the athlete frequently avoid
7. ***The solution needs to be easy to use with a clean light modern style.***
8. A menu bar will be on top of the home page
9. A portion of the homepage will be dedicated to a “login/register” menu
10. Users can search for events by athlete name, team, coach or event date/location
11. On entry, the user is prompted with free features if not already logged in
12. Public events and results will be freely available
13. ***The solution needs to support multiple account types***
14. An account will be required to view statistics and use advanced features
15. A user can upgrade their account to a paid plan (eventually).
16. Admin accounts can be used to enter data
17. Public events and results will freely available to users without an account
18. ***The solution needs to include tools to help coaches track athletes and form a strategy for winning a specific meet***
19. Machine learning will be used to predict future performance based on records of past race performance, given different training scenarios
20. Athletes will be automatically assigned to specific races based on their predicted race times based off two models: one in which we have no knowledge of the opponent team's performance, and one where we do have their performance and can predict their times
21. Predictive analysis will be used to help coaches assemble their teams (eventually)
22. ***The solution needs to be secure***
23. Admin is the only account that can enter event data
24. Admins and contractors must have an offline confirmation by our employees and then the "super" admin adds them manually
25. The general public can view all results
26. The solution will use the standard method for accounts
27. The solution will confirm email addresses (eventually)
28. Each user account will be set up with a unique email address and an 8+ character password