

# Fantasy Cross Country

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# Description

The Fantasy Cross Country Application allows fans of the sport to easily create and manage a league. The application takes the work out of running an amateur league by keeping track of team rosters, weekly results, and league standings.



# Features

- User login
- Create, view, and join a league
- Add/Drop runners from a team
- Import a list of runners from a CSV doc
- Add performances for runners
- Automatically scores races and updates league standings



# Planning - User Stories

Here are some of the User Stories I focused on while creating the application:

- As a user I can login and logout of the application
- As a user I can create or join a league
- As a user I can create a team and give it a name
- As a user I can add and drop runners from my team
- As a user I can set my lineup week to week
- As a user I can view weekly results and league standings



# Planning - Database

- A MySQL database helps keep track of leagues, users, teams, runners, races, and performances.
- Leagues are mapped to users on a many to many basis (so multiple users can join a league and a user can join multiple leagues); teams are mapped many to one to teams and leagues.
- Runners are mapped many to one to teams so teams can have several runners.
- Performances are mapped many to one to teams and races.



# Technology Stack

- Java
- Spring Boot
- Thymeleaf
- MySql
- JPA
- Bootstrap



# Demo



# What I Learned

- In order to make the login feature I learned how to utilize cookies
- I made use of a filereader to import a list of runners from a CSV doc into the database.
- I learned how to use duration object and comparators in order to sort and score a race.
- I became more comfortable using bootstrap to make my user interface more organized and better looking





# What's Next

- Ideally I would add a feature that would take in race results and automatically store performances for runners in an object. This would make finding and adding times for runners easier
- I would also like to learn some JavaScript in order to make the interface more interactive and professional looking.

