

1. [E] As a visitor to the site I want to see a fantastic and modern homepage so that I can be introduced to the site and see the features currently available
 - a. [U] As a visitor I want to be presented a modern homepage so that I can easily find what I am looking for
 - i. [T] Create starter ASP dot NET MVC 5 Web Application with Individual User Accounts and no unit test project
 - ii. [T] Choose CSS library (Bootstrap 3, 4, or ?) and use it for all pages
 - iii. [T] Create nice homepage: write initial content, customize navbar, hide links to login/register
 - iv. [T] Create SQL Server database on Azure and configure web app to use it. Hide credentials.
 - b. [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
 - i. [T] Copy SQL schema from an existing ASP.NET Identity database and integrate it into our UP script
 - ii. [T] Configure web app to use our db with Identity tables in it
 - iii. [T] Create a user table and customize user pages to display additional data
 - iv. [T] Re-enable login/register links
 - v. [T] Manually test register and login; user should easily be able to see that they are logged in
2. [E] As a visitor I want to be able to easily search for an athlete so that I can view their statistics
 - a. [U] As a visitor I want to be able to quickly search for an athlete so that I can find out more information about them
 - i. [T] Add an athletes table to database
 - ii. [T] Create a page to search for an athlete based on search terms provided (race distance, type or athlete)
 - iii. [T] Add a table of results displaying only athletes that match search information
 - b. [U] As a visitor I want to be able to access a dedicated page for an athlete so that I can view their information
 - i. [T] Create a page for each athlete
 - ii. [T] Add results such as coach and team(s) athletes play for
 - c. [U] As a visitor I want to be able to view race results for an athlete so that I can see how they have performed
 - i. [T] A list of all race results for each athlete to their athlete page
 - ii. [T] Be able to sort by type, time or distance
 - d. [U] As a visitor I want to be able to view a table of events an athlete participates in so that I can see what events they often participate in (or don't participate in)
 - i. [T] Create a table on athlete page
 - ii. [T] Arrange table by race type, then distance and times participated
 - e. [U] As a visitor I want to be able to be able to view PR's (personal records) for an athlete so I can see their best performance
 - i. [T] Create a table of an athlete's best times per race type and distance
 - f. [U] As a visitor I want to be able to view a graph of an athlete's races over time so that I can see how they have improved

- i. [T] Add the ability to switch between race types
 - ii. [T] Create a graph showing races over time for race type selected
- 3. [E] As an administrator I want to be able to enter, edit or delete athletes quickly and easily so that I don't have to spend a lot of time scrolling through pages to make changes
 - a. [U] As an administrator I want to have an admin menu so that I can access administrator only options
 - i. [T] Reveal/unhide a nav option to access admin controls
 - b. [U] As an administrator I want to be able to add a new athlete so that the system can keep them on record
 - i. [T] Add an option to admin menu to add a new athlete
 - ii. [T] Require admin to enter a new athlete, coach and team(s)
 - c. [U] As an administrator I want to be able to manually edit an athlete so that I can update an athlete's team or coach
 - i. [T] Add an option to admin menu to edit an athlete
 - ii. [T] On edit page, allow admin to select an athlete from a drop down
 - iii. [T] Enable form to update athlete's name, coaches, or team(s)
 - d. [U] As an administrator I want to be able to manually delete an athlete so that I can clean up search results for old athletes that are no longer relevant
 - i. [T] Add an option to admin menu to delete an athlete
 - ii. [T] On delete page, allow admin to select an athlete from a drop down
 - iii. [T] Create a form to delete selected athlete
- 4. [E] As an administrator I want to be able to enter, edit or delete race results for an athlete quickly and easily so that I don't have to spend a lot of time scrolling through pages to make changes
 - a. [U] As an administrator I want to be able to manually add a new race result for an athlete so that I can keep an athlete's profile updated with new races they have competed in
 - i. [T] Add an option to admin menu to add a new race result
 - ii. [T] On new page add a drop down to select athlete
 - iii. [T] Create form for chosen athlete to add race type, distance and time
 - b. [U] As an administrator I want to be able to manually edit a race result so that I can correct any mistakes entered when creating a new race result
 - i. [T] Add an option to admin menu to edit a race result
 - ii. [T] On new page add a drop down to select athlete
 - iii. [T] Create form for chosen athlete to edit race type, distance and time
 - c. [U] As an administrator I want to be able to manually delete a race result so that I can remove duplicated or incorrect race results for an athlete
 - i. [T] Add an option to admin menu to delete a race result
 - ii. [T] On new page add a drop down to select athlete
 - iii. [T] Add a drop down to select race result for athlete
 - iv. [T] Create a form to remove chosen race result for athlete
- 5. [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 automatically

- a. [U] As an administrator I want to be able to quickly and easily upload a spreadsheet of results so that I don't have to enter in the data manually
 - i. [T] Create an athlete result table to store spreadsheets as binary objects
 - ii. [T] Retrieve contents of any stored spreadsheets as .CSV for input into athlete result table
 - b. [U] As an administrator I want to be able to access all uploaded result spreadsheets so that I can cross check information imported for an athlete(s)
 - i. [T] Create a table of stored result spreadsheets that can easily be sorted by date and time uploaded
6. [E] As a visitor I want to be able to save data to a spreadsheet, pdf, or print off a small athlete/race result so that I can save certain data offline
- a. [U] As a visitor I want to be able to save a spreadsheet of a specific data output so that I can view it in Excel
 - i. [T] Add functionality to save data in a table to a .CSV filetype.
 - b. [U] As a visitor I want to be able to print the results of an athlete/race so that I can have a physical copy of that data
 - i. [T] Add functionality to neatly print the results the visitor sees on their page
 - c. [U] As a visitor I want to be able to save the results of an athlete/race to a printable file onto my computer/phone
 - i. [T] Add functionality to neatly save the results the visitor sees on their page to a .pdf file type.