

Project Coyote: Use Case Document

Mission Statement

Our mission is to create a running management tool capable of creating and maintaining races and competitors results. The product is targeted at any running club throughout New Zealand.

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1. User accesses each section of Project: Coyote via a Main Menu

Description	A user can access any section of Project Coyote from an opening screen
Actors	User-A – The user seeking to navigate around Project : Coyote
Assumptions	User has opened Project : Coyote
Steps	1. User-A chooses a section he/she wishes to enter in Project : Coyote

2. Create/define a competition

Description	A user wants to create and define a competition
Actors	User-A – The user seeking to set-up a competition
Assumptions	User-A is authorised to use the program
Steps	1. User-A creates a new competition 2. User-A enters in date, time and location information 3. User-A selects/enters in the required events for the competition
Variations	3b. User-A chooses all events by selecting a preset object
Non-Functional	Not useable from the web-interface
Exceptions	2. Invalid date entered. User-A is informed and able to modify the entry

3. Modify a competition

Description	A user wants to alter details for a competition.
Actors	User-A – The user seeking to change details for a competition
Assumptions	The competition has previously been created
Steps	1. User-A selects and opens a competition 2. User-A modifies details of the competition
Exceptions	1. Invalid modified value: The system informs User-A of this and can edit as required

4. Save a competition

Description	A user saves a competition into the competition database
Actors	User-A – The user seeking to save a competition that he/she has created
Assumptions	User-A has created a competition and entered in all required information. User-A is still in the competition menu/window
Steps	1. User-A finalizes the competition by exiting the competition window. The competition is automatically saved to the database
Exceptions	Hard disk run out of space: Informs user-A. Save fails

5. Load/open a competition

Description	A user loads/opens a competition from the database
Actors	User-A – The user seeking to load a competition from the database
Steps	1. User-A opens the file menu 2. User-A selects “open” from the menu 3. Open dialog shows up. 4. In the open dialog, User-A selects the competition to be opened. 5. User-A selects “open” to open the selected race. 6. The competition is opened and the open dialog closes.
Exceptions	The competition is already open: Only opens if not already.

6. Enter competitors into an event from the Project: Coyote management application

Description	A user wants to enter a competitor or competitors into an event that has been created
Actors	User-A – The user seeking to add competitor(s) to an event
Assumptions	User-A has selected a competition, then selected which event to enter a competitor or competitors into
Steps	1. User-A can manually enter a competitors details into a race
Variations	1b. User-A can select a .csv file to enter multiple entries into an event 1c. User-A can select a competitor or competitors from the competitor database 1d. User-A can drag and drop/copy and paste between opened race windows 1e. User-A can partially enter in a competitors details, then search the database for possible completions

7. Modify competitors

Description	A user modifies a competitor stored within Project : Coyote
Actors	User-A – The user modifying competitor details
Assumptions	None
Steps	<ol style="list-style-type: none">1. User-A selects a competitor to be modified2. User-A modifies the selected competitor as required
Variations	<ol style="list-style-type: none">1. b User-A selects multiple competitors2. b User-A deletes multiple competitors (or modifies them in a batch-like manner)
Exceptions	None

8. Enter results for an event

Description	A user enters places and times (as appropriate) for each competitor in an event
Actors	User-A – The user entering the results into Project : Coyote
Assumptions	<ol style="list-style-type: none">1. The database already contains all of the competitors who participated in the event2. User-A has selected the event to enter results for
Steps	<ol style="list-style-type: none">1. User-A selects the event to enter results for2. User-A manually enters in placing information3. User-A manually enters in timing information (as appropriate)
Variations	<ol style="list-style-type: none">1b. User-A enters numbers which enables the program to calculate who placed in each position.2b. User-A selects a .csv file to enter in timing information.
Non-Functional	Not useable from the web-interface
Issues	If done without access to the central database, the updates must be synced later
Exceptions	None

9. Import results taken from the photo finish camera (medium priority)

Description	A user enters race results from a lane photo finish image (automates the use case above)
Actors	User-A – The user providing the image/results from the photo finish camera to Project : Coyote
Assumptions	1. A program that is capable of processing the image and interfacing with Project: Coyote in the correct manner is installed 2. User-A has selected the competition and event to enter results for
Steps	1. User-A loads image and confirms their selection. The image is processed externally to Project: Coyote 2. Results are automatically supplied to Project: Coyote 3. User-A confirms the results

10. Produce results output for a competition

Description	A user wants to produce results output for a competition from the Project: Coyote management application
Actors	User-A – The user wanting to produce competition results
Assumptions	User-A has correctly started the Project: Coyote management application and selected a competition that has had results entered to produce output for
Steps	1. User-A selects an output format and save destination
Variations	(Low priority) 1.b. User-A opts to have the management application automatically publish the results on a website

11. Calculate team points for a competition

Description	A user wants to produce the total points each team in a competition. Teams will consist of 1 or more competitors
Actors	User-A – The user wanting to produce competition point results
Assumptions	User-A has correctly started the Project: Coyote management application and selected a competition that has had results entered to produce output for
Steps	1. User-A selects a points system to use and save destination

12. View details of a competition

Description	A user can look at the details of a particular competition
Actors	User-A – The user viewing the details from the Project : Coyote management application
Assumptions	A competition exists to view details for
Steps	<ol style="list-style-type: none">1. User-A selects an existing competition.2. User-A views the details of the selected competition.
Variations	1.b User-A enters a unique ID that identifies the competition they are looking for
Exceptions	1. (To variation 1.b) The ID cannot be found

13. Allocate lanes and heat numbers to a list of entries for race

Description	Allocate lanes and heat numbers to a list of entries in a race
Actors	User-A – A user organising race who wants to allocate specific lanes and heat numbers to all competitors.
Assumptions	<ol style="list-style-type: none">1. The entries list is not empty.2. User-A has opened a race
Steps	<ol style="list-style-type: none">1. User-A opens the list of entries of the race.2. User-A select an entry and allocate a lane to the entry.3. Repeat Step 2 for other entries in the list.4. User-A select an entry and allocate a heat number to the entry.5. Repeat Step 4 for other entries in the list.
Exceptions	User-A tries to allocate a lane to 2 entries : System informs User-A of this with an error message

14. Calculate competitors that qualify for a semi-final/final

Use Case	Calculate competitors that qualify for a semi-final/final
Description	Calculate semi-final/final qualifiers for a race
Actors	User-A – A competition organiser who requires a list of competitors who qualify for finals
Assumptions	There is a result list for the event leading up to the finals
Steps	<ol style="list-style-type: none">1. User-A opens the result list2. User-A calculates the semi-final qualifiers.
Variations	2. b User-A calculates the final qualifiers.

15. Calculate start times for a handicap race

Description	A user calculates the start times for competitors in a handicap race according to the handicap times.
Actors	User-A – A race organiser who needs the start times for competitors in a handicap race
Assumptions	Handicap times have been recorded for all competitors in the race.
Steps	<ol style="list-style-type: none">1. User-A opens the list of handicap times of competitors.2. User-A select a handicap time or times.3. User-A calculates the start time(s) for competitor(s) according to the selected handicap time(s).

16. Calculate an efficient schedule for a competition (med priority)

Description	A user can automatically generate a schedule for a competition with applicable times.
Actors	User A – A competition organiser who requires a useable schedule for a full competition (i.e. Multiple events)
Assumptions	1. User-A has created a competition 2. User-A has added multiple events to the competition
Steps	1. User-A opens the competition that requires a schedule created 2. User-A clicks a button to calculate a schedule 3. A schedule is then created and is presented to the User
Variations	3b. The schedule is outputted to a file 3c. The schedule is outputted to a web interface
Issues	Shared Resources must be known

17. Produce an entries list

Description	A user produces an entries list for a particular event to assist recording results.
Actors	User-A – An event organiser who wants a list of competitors in a particular event
Assumptions	The event has been set up and competitors have been entered into it.
Steps	1. User-A selects (and open) one event 2. User-A produces a entries list.
Exceptions	1. There is no entry in the event: No list is produced.

18. Create an online competitor profile

Description	A User that is regularly entering the clubs events can create an online profile to enable him/her to quickly and easily enter events in the future and view personal statistics
Actors	User-A – A competitor seeking to set up a profile
Assumptions	User has internet access
Steps	<ol style="list-style-type: none">1. User-A navigates his/her way to the club website2. User-A clicks a button to register for a new online profile3. User-A fills in a form to gather information about the competitor4. User-A fills in a captcha to verify they are actually human5. User-A submits the form
Issues	<ol style="list-style-type: none">3. User-A may be already entered into the system with slightly different information

19. Log in to an online competitor profile to view and modify personal information

Description	A User with an online account can log on to a personal page to view and modify personal information.
Actors	User-A – The user seeking to modify their profile
Assumptions	User-A has correctly navigated to the website and has entered valid member details.
Steps	<ol style="list-style-type: none">1. User-A navigates their way to the club website2. User-A clicks logs into the club website with their unique username and password3. Users-A modifies their account profile or status
Exceptions	<ol style="list-style-type: none">1. Incorrect username and/or password

20. Enter into a race from the web interface

Description	A user wants to enter into a race that is open for online entries
Actors	User-A – The user entering the race online
Assumptions	User-A has correctly navigated to the website and has entered valid member details.
Steps	<ol style="list-style-type: none">1. User-A selects the option to sign up for a race from the web interface2. User-A fills in the required fields in the online registration form2. User-A submits the form

21. Sign in and view competitor statistics from the database

Description	A user wants to view personalised statistics of their previous races
Actors	User-A – The user wanting to view their statistics
Assumptions	1. User-A has correctly navigated to the website and has entered valid member details.
Steps	1. User-A selects the option to view personalised statistics from the web interface 2. User-A selects what statistics they want to view

22. Create a template for email advertisements (low priority)

Use Case	Create a template for email advertisements (low priority)
Description	Create a template advertisement email that is sent to past competitors to advertise races.
Actors	User-A – The user wanting to create a template for email advertisements
Assumptions	1. User-A has opened Project Coyote 2. User-A selects a new blank template from a menu 3. User-A configures/designs a template 4. User-A saves the template in Project Coyote

23. Send a mass email advertisement for a race (low priority)

Use Case	Send a mass email advertisement for a race (low priority)
Description	Send a mass email advertisement for a race
Actors	User-A – The user wanting to create and send a mass email advertisement
Assumptions	<ol style="list-style-type: none">1. User-A has opened Project Coyote2. The template has been finalized if pre selected3. The email list is not empty4. User-A has an email account
Steps	<ol style="list-style-type: none">1. User-A opens or creates a new template2. User-A enters details of the advertised race into appropriate fields of the template.3. User-A selects or manually enters a list of entries to incorporate in the mass advertisement.4. User-A sends the mass advertisement email.

24. Access a help menu

Use Case	Access a help menu
Description	Access a help menu which assists the user of Project Coyote.
Actors	User-A – The user wanting to access the help menu
Assumptions	User-A has opened Project Coyote.
Steps	<ol style="list-style-type: none">1. User-A clicks the “Help” menu of Project Coyote.
Variations	<ol style="list-style-type: none">1b. User-A clicks the question mark icon in Project Coyote.

Glossary

Competition	Is one or more events at a specific date, time and location
Event	A single competitive contest with multiple competitors usually grouped into age categories or ability
Race	A single competitive contest which involves sprinting/running
Heat	A preliminary sprinting/running race in which the competitor advances to a more important race