Requirement

The objective is to provide a program which will simplify the up load of weekly race results onto the Team Cambridge club website. The program needs to integrate into the existing website databases used to display club's programme of events and race results.

Background

Rider participation at Team Cambridge's club events sees riders from many different clubs attending. For riders outside of Team Cambridge we only provide a time for their ride. Depending on the type of event Team Cambridge riders will not only be receive a ride time but their results may count towards up to 3 additional season long competitions, therefore additional points or handicap times will be required to be provided.

The current system relies on the race results being calculated in a complex Microsoft Excel spread sheet. The data is then manipulated and then copied into a second spreadsheet where additional information is added to create the final data format. This is then converted into a csv file and uploaded, via the online database web portal (phpMy Amin), onto the website databases. This information will then be displayed on a range of webpages for the events result and various competitions.

Website structure

The website relies on a series of databases which are SQL in format. The following databases provide the various functions:

Results: hold the actual riders details and their results for any particular event

Events: hold details of the events the club is promoting

Configuration: holds information required by some of the club competitions to calculate results

Courses: holds map hyperlink information for the courses the club uses – not currently in use.

For the 'Results' pages a series of unique event codes are used to ensure the correct information is used and displayed. Each event code will dictate what information will be drawn from the database and displayed on the web page. Table 1 details the event codes used with all information required for each type of event or competition.