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|  |  | **Ref** | 0001 | **Type** | Functional |
| Description | | View and edit competitor data by using the system interface. | | | |
| Rationale | | To enable WECAN staff to make use of the system’s GUI to ensure competitor’s details are correct and up-to-date. | | | |
| Fit Criterion | | A user is able to view competitor data stored on the system using the interface provided. No external commands are necessary to access. | | | |
| Specific Test Case | | Log into the system, view and then edit Anna Glowacka | | | |
| Expected Output | | All data specific to Anna Glowacka is displayed and remains changed once edited | | | |
| Actual Output | | All data specific to Anna Glowacka is displayed and remains changed once edited | | | |

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|  |  | **Ref** | 0002 | **Type** | Functional |
| Description | | Add a competitor belonging to an existing team. | | | |
| Rationale | | To enable WECAN staff to add new players to existing teams, preventing security clearance issues on the match/training date. | | | |
| Fit Criterion | | A user is able to add a competitor to a team already established on the system. This action is repeatable for every team. | | | |
| Specific Test Case | | Add Danielle Williams to the Spain team. | | | |
| Expected Output | | Danielle Williams is successfully added to the WECAN system under the Spain team. | | | |
| Actual Output | | Danielle Williams is added and successfully registered to the Spain team. | | | |

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|  |  | **Ref** | 0003 | **Type** | Functional |
| Description | | Register a card for a competitor. | | | |
| Rationale | | To enable a WECAN system user to register a competitors card, enabling them to access the venue when appropriate. | | | |
| Fit Criterion | | User is capable of registering a card for a given competitor, that card remains registered for the correct period of time and this action is repeatable for any number of competitors. | | | |
| Specific Test Case | | Register a card for Jorge Vilda | | | |
| Expected Output | | Jorge Vilda card is registered automatically on competitor creation. | | | |
| Actual Output | | This card was automatically created. | | | |

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|  |  | **Ref** | 0004 | **Type** | Non-functional |
| Description | | Ensure that a card’s ‘valid-from’ and ‘valid-to’ dates are set appropriately. | | | |
| Rationale | | To prevent cards that are valid from accessing venues at an unauthorised time. | | | |
| Fit Criterion | | A competitor is refused access on attempting to gain entrance to venue(s) before or after their allocated dates. | | | |
| Specific Test Case 1 | | Anna Glowacka attempts to access Rotterdam on 2017-08-01 | | | |
| Expected Output 1 | | Access is denied to Anna Glowacka. | | | |
| Actual Output 1 | | Access is denied to Anna Glowacka. | | | |
| Specific Test Case 2 | | Anna Glowacka attempts to access Utrecht on 2017-07-19 | | | |
| Expected Output 2 | | Access is granted to Anna Glowacka. | | | |
| Actual Output 2 | | Access is granted to Anna Glowacka. | | | |

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|  |  | **Ref** | 0005 | **Type** | Functional |
| Description | | Display and authorise access to venues for team matches | | | |
| Rationale | | To allow a team to access the venue on their match date. | | | |
| Fit Criterion | | All records related to the matches played by a specific team are displayed, and the user is able to enter a new record to the matches table. | | | |
| Specific Test Case | | List all matches being played by Scotland and add authorisation for match against Spain in Deventer on the 27th July. | | | |
| Expected Output | | All matches in the table relating to Scotland are displayed. New record is added successfully to the matches table. | | | |
| Actual Output | | All matches in the table relating to Scotland are displayed. New record is added successfully to the matches table. | | | |

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|  |  | **Ref** | 0006 | **Type** | Functional |
| Description | | Expire a card for a team member. | | | |
| Rationale | | To enable WECAN to remove venue access for individuals who are no longer participating in the competition. | | | |
| Fit Criterion | | The valid card belonging to a competitor is expired and rendered unusable once put through this process. | | | |
| Specific Test Case 1 | | Eliminate Andrea Falcón and check her card has been expired. | | | |
| Expected Output 1 | | Andrea Falcón is eliminated and her card is set to expired. | | | |
| Actual Output 1 | | Andrea Falcón is eliminated and her card is set to expired. | | | |
| Specific Test Case 2 | | Eliminate England and check that Anna Glowacka’s card has been expired successfully. | | | |
| Expected Output 2 | | England is eliminated, Anna Glowacka is eliminated, and her card is expired. | | | |
| Actual Output 2 | | England is eliminated, Anna Glowacka is eliminated, and her card is expired. | | | |

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|  |  | **Ref** | 0007 | **Type** | Functional |
| Description | | Cancel authorisation for an expired card. | | | |
| Rationale | | To enable WECAN staff to prevent venue access using expired cards, preventing unauthorised individuals from entering the venue. | | | |
| Fit Criterion | | All cards subject to this process should be permanently cancelled and will cease to grant access. | | | |
| Specific Test Case | | Cancel the card assigned to Anna Glowacka and remove the card’s authorisations. | | | |
| Expected Output | | Anna Glowacka’s card is cancelled, therefore all authorisations for that card are automatically removed. | | | |
| Actual Output | | Anna Glowacka’s card is cancelled, access logic removes need for authorisations to be changed. | | | |

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|  |  | **Ref** | 0008 | **Type** | Functional |
| Description | | Add a competitor belonging to a new team. | | | |
| Rationale | | To enable WECAN staff to add a new player to a team that doesn’t already exist in the system. | | | |
| Fit Criterion | | A new team is created and a new competitor is added to it. | | | |
| Specific Test Case | | Add a new player ‘Jenny Thorpe’ to a new team ‘Jamaica’ | | | |
| Expected Output | | The team `Jamaica` is added to the system and then `Jenny Thorpe` is added to the `Jamaica` team. | | | |
| Actual Output | | The two steps required for this process are separate, therefore the team must be added before the competitor can be inserted (not in the same form). | | | |

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|  |  | **Ref** | 0009 | **Type** | Functional |
| Description | | Add match authorisation after a venue has changed | | | |
| Rationale | | To enable the system to cope with venue changes once authorisation has been established. To Avoid any errors/operational difficulties from arising as a result of such changes. | | | |
| Fit Criterion | | All changes subject to this process are successfully submitted and the associated authorisations updated | | | |
| Specific Test Case | | Change match venue for Spain vs Portugal game on 2017-07-19 from Tilburg to Deventer and update authorisations accordingly. | | | |
| Expected Output | | Match venue is updated and authorisations changed automatically. | | | |
| Actual Output | | Match venue is updated, access logic removes need for authorisations to be changed. | | | |

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|  |  | **Ref** | 0010 | **Type** | Functional |
| Description | | Add authorisation for all team competitors on progression to knock-out stage | | | |
| Rationale | | To simplify the process of adding authorisation for a large number of players (a whole team). To ensure that a whole team is able to access the venue when necessary | | | |
| Fit Criterion | | All players subject to this process are successfully given match authorisation and the appropriate tables are updated | | | |
| Specific Test Case | | Add a new match for Spain vs Scotland on 2017-07-29 at Tilburg. Add competitor authorisations accordingly. | | | |
| Expected Output | | All members of the two teams are successfully granted authorisation to this venue on this date. | | | |
| Actual Output | | All members of the two teams are successfully granted authorisation to this venue on this date. Access logic removes need for authorisations to be changed. | | | |

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|  |  | **Ref** | 0011 | **Type** | Functional |
| Description | | Expire cards for all competitors after team elimination | | | |
| Rationale | | To simplify the process of expiring cards for a large number of players (a whole team). To prevent unauthorised teams from entering the venue once they have been eliminated. | | | |
| Fit Criterion | | All teams subject to this process will have their access cards expired successfully. Authorisations table updated. | | | |
| Specific Test Case | | Expire all cards belonging to Spain. | | | |
| Expected Output | | Access cards belonging to all members of Spain are expired. Authorisations are removed. | | | |
| Actual Output | | Access cards belonging to all members of Spain are expired. Access logic removes need for authorisations to be changed. | | | |

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|  |  | **Ref** | 0012 | **Type** | Functional |
| Description | | All teams are eliminated at the end of the competition. | | | |
| Rationale | | Once the competition is over, none of the competitors should be authorised to access any of the venues. | | | |
| Fit Criterion | | Once the process has been completed every single competitor is set to eliminated, all valid cards are set to expired, and authorisations are all removed. | | | |
| Specific Test Case | | End the competition. | | | |
| Expected Output | | All competitors are set to eliminated, all valid cards are set to expired, and authorisations are all removed. | | | |
| Actual Output | | All competitors are set to eliminated, all valid cards are set to expired. Access logic removes need for authorisations to be changed. | | | |

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|  |  | **Ref** | 0013 | **Type** | Non-Functional |
| Description | | The system should prevent the registering of competitors more than once. | | | |
| Rationale | | Redundant data, duplicate authorisations, duplicate cards, risk of out of date information. | | | |
| Fit Criterion | | The system should warn the user about the existence of competitors with the same name as the one being entered. | | | |
| Specific Test Case | | Attempt to add `Anna Glowacka` as a new competitor, when `Anna Glowacka` is already present in the database. | | | |
| Expected Output | | A dialogue box should appear showing the user the details of existing similar data in the database, and ask if it is OK to continue. | | | |
| Actual Output | | A dialogue box should appear showing the user the details of existing similar data in the database, and ask if it is OK to continue. | | | |

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|  |  | **Ref** | 0014 | **Type** | Non-Functional |
| Description | | Feedback is provided after a user’s action. | | | |
| Rationale | | To provide the user with confirmation their action either failed or was successful. | | | |
| Fit Criterion | | Confirmation is given to the user when they submit the form, otherwise an explanation is given as to why the errors occurred. | | | |
| Specific Test Case 1 | | Add a new competitor `Terry Jones` to the system (all fields entered correctly). | | | |
| Expected Output 1 | | Browser navigates to competitors page, displaying newly added competitor, along with message `Your data has been successfully stored into the database.` | | | |
| Actual Output 1 | | Browser navigates to competitors page, displaying newly added competitor, along with message `Your data has been successfully stored into the database.` | | | |
| Specific Test Case 2 | | Add a new competitor `Barbara Gordon` to the system (fields `role` and `team name` not populated). | | | |
| Expected Output 2 | | Browser stays on form page, unpopulated fields highlighted red, message displayed stating ` The Role field is required.  The Team Name field is required.` | | | |
| Actual Output 2 | | Browser stays on form page, unpopulated fields highlighted red, message displayed stating ` The Role field is required.  The Team Name field is required.` | | | |

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|  |  | **Ref** | 0015 | **Type** | Non-Functional |
| Description | | Allow a card to enter because they have authorisation for a match | | | |
| Rationale | | To allow authorised competitors to access the venue when appropriate. To automate the process of restricting venue access. | | | |
| Fit Criterion | | Any competitor scanning a valid card will be granted access to their venue. Likewise, any unauthorised cards being scanned will be rejected by the system and access will not be granted. | | | |
| Specific Test Case 1 | | Andrea Falcón tries to enter the Doetinchem venue on 19/07/17 | | | |
| Expected Output 1 | | Andrea Falcón is granted access. Message ‘ACCESS GRANTED’ is displayed. | | | |
| Actual Output 1 | | Andrea Falcón is granted access. ‘ACCESS GRANTED’ is displayed. | | | |
| Specific Test Case 2 | | Carley Telford tries to enter the Tilburg venue on 26/07/2017 | | | |
| Expected Output 2 | | Carley Telford is denied access. Message ‘ACCESS DENIED’ is displayed. | | | |
| Actual Output 2 | | Carley Telford is denied access. ‘ACCESS DENIED’ is displayed. | | | |