Software Engineering Group Project

Testing Specification

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# Introduction

## Purpose of this Document

This document contains a testing specification for this project. The software engineering team will use this document to ensure the working system is functionally correct, robust and matches the client’s specification. Tests ensure designs are adhered to and implemented correctly and can identify more bugs within software earlier in development.

## Scope

This document covers the testing specification used during development. The intended readers are the Quality Assurance Manager, Project Manager Leader and all software engineers. The testing plan and procedures are specified in SE.QA.06 [1]

## Objectives

By the end of this document the reader should be informed of the nature of the tests and the methodology of testing. They should also be able to clearly identify the functional requirement [2] being tested, the purpose of that test and the expected outcome.

# Taskersrv / taskerman testing

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| --- | --- | --- | --- | --- | --- |
| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| Please note that all TaskerMAN tests are to be carried out in both Firefox and Chrome browsers | | | | | |
| TS1 | FR7 | Logging into system | Do not enter email address and click on login button | User is told to enter an email address | User access is prohibited |
| TS2 | FR7 | Logging into system | Enter email address “antibones123” and click on login button | User is told to enter a valid email address | User access is prohibited |
| TS3 | FR7 | Logging into system | Enter email address “abcde123@example.co.uk” and click on login button | User is told that the email is not recognised | User access is prohibited |
| TS4 | FR7 | Logging into the system | Enter email address “jec17@aber.ac.uk”  And click on the login button | User is told that the login was un-successful | User access is prohibited |
| TS5 | FR7 | Logging into system | Enter email address “mac81@example.co.uk”  And click on login button  (Test data has already been input into the database and so valid emails already exist) | User directed to main menu | User access is granted |
| TS6 | FR7 | Add new user | On the main menu click on add button Do not enter an email, first name or last name  Leave ‘Is manager?’ as default Click on submit button | User is told to enter an email | Email is rejected |
| TS7 | FR3 | Add new user | On the main menu click on add button  Enter email “johnsmith@example.com” Do not enter a first name, last name, leave ‘Is manager?’ as default and click on Submit button | User is told to enter a first name | First name is rejected |
| TS8 | FR3 | Add new user | Enter Email “johnsmith@example.com”  First name “John Smith” Do not enter a last name, leave ‘Is manager?’ as default and click on Submit button | User is told to enter a last name | Last name is rejected |

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| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS9 | FR3 | Add new user  (Relevant for later test) | Enter first name “Maurice”  Enter last name “Corriette”  Enter email “abc123@example.co.uk”  leave ‘Is manager?’ as default | Input accepted | User is added |
| TS10 | FR3 | Add new user(Relevant for later test) | Enter first name “Qi”  Enter last name “XI”  Enter email Qi123@example.co.uk  leave ‘Is manager?’ as default | Input accepted | User is added |
| TS11 | FR3 | Add new user(Relevant for later test) | Enter first name “Josh” Enter last name “Doyle”  Enter email “Doyle123@example.co.uk” | Input accepted | User is added |
| TS12 | FR3 | Add new user(Relevant for later test | Enter first name “Oliver”  Enter last name “Earl”  Enter email ole123@example.co.uk  leave ‘Is manager?’ as default | Input accepted | User is added |
| TS13 | FR3 | Add new user | Enter first name “M”  Enter last name “Tom”  Enter email “abc123@example.ac.uk”  leave ‘Is manager?’ as default | User is told that First name is too small | First name is rejected |
| TS14 | FR3 | Add new user | Enter name “Ma”  Enter last name “T”  Enter email “abc123@example.ac.uk”  leave ‘Is manager?’ as default | User is told that last name is too small | Last name is rejected |
| TS15 | FR3 | Add new user | Enter first name “Maurice$£%^”  Enter last name “Hardy”  Enter email “Maurice@example.co.uk”  leave ‘Is manager?’ as default | User is told that first name has invalid characters | First name is rejected |
| TS16 | FR3 | Add new user | Enter first name “Maurice”  Enter last name “%$^”  Enter email “abc123@example.ac.uk”  leave ‘Is manager?’ as default | User is told that last name has invalid characters | Last name is rejected |
| TS17 | FR3 | Add new user | Enter first name “abc”  Enter last name “cba” Enter email “abc123”  leave ‘Is manager?’ as default | User is told that email is invalid | Email is rejected |

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| Test Ref | Req being tested | Test content | Input | | Output | | Pass criteria | | |
| TS18 | FR3 | Add new user | | Enter first name “Josh” Enter Last name “Doyle”  Enter email “Josh123@example.co.uk”  leave ‘Is manager?’ as default | | Input accepted | | User is added |
| TS19 | FR3 | Add new user | | Enter first name “Mark”  Enter last name “Doyle”  Enter email “Doyle123@example.co.uk”  leave ‘Is manager?’ as default | | User is told that a member with that email already exists | | Email is rejected |
| TS20 | FR3 | Edit user | | Edit existing user “Maurice Corriette”  Change first name to blank | | User is told to enter a First name | | Change is rejected |
| TS21 | FR3 | Edit user | | Edit existing user “Maurice Corriette”  Change last name to blank | | User is told to enter a Last name | | Change is rejected |
| TS22 | FR3 | Edit team member | | Edit existing user “Maurice Corriette”  Change first name to “M” | | User is told that first name is too small | | Change is rejected |
| TS23 | FR3 |  | | Edit existing user “Maurice Corriette”  Change Last name to “C” | | User is told that Last name is too small | | Change is rejected |
| TS24 | FR3 | Edit team member | | Edit existing user “Maurice Corriette”  Change first name to “Maurice£$%” | | User is told that first name has invalid characters | | Change is rejected |
| TS25 | FR3 |  | | Edit existing user “Maurice Corriette”  Change last name to “Corriette£$%” | | User is told that Last name has invalid characters | | Change is rejected |
| TS26 | FR3 | Edit team member | | Edit Existing user “Maurice Corriette”  Change last name to “Jordan Corriette” | | Input accepted | | Change is successful |

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| --- | --- | --- | --- | --- | --- |
| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS27 | FR3 | Edit team member | Edit existing member “Maurice Jordan Corriette”  Change email to “abc123” | User is told that email is invalid | Change is rejected |
| TS28 | FR3 | Edit team member | Edit existing member “Maurice Jordan Corriette”  Change email to “Doyle123@example.co.uk” | User is told that that a member with that email already exists | Change is rejected |
| TS39 | FR3 | Edit team member | Edit existing member “Maurice Jordan Corriette”  Change email to “mac81@aber.ac.uk” | Input accepted | Change Is successful |
| TS30 | FR3 | Delete team member | Delete Existing member “Qi XI” | Input accepted | Deletion is successful |
| TS31 | FR3 | Delete team member | Delete existing member “John” | User is told that member does not exist | Deletion un-successful |
| TS32 | FR4 | Add new task | Do not enter task name  Allocated user  “Josh Doyle”  Enter start date “10/11/15  Enter end date “20/11/15”  Leave status as default ‘allocated’  Number of task elements “1” | User told to enter a name, | Creation of task is rejected |
| TS33 | FR4 | Add new task | Enter task name “java spike work”  Do not select an allocated user  Enter start date “10/11/15  Enter end date “20/11/15”  Number of task elements “3”  Leave status as default ‘allocated’ | User is told to select an allocated user | Creation of task is rejected |

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| Test Ref | Req being tested | Test content | Input | Output | | Pass criteria | |
| TS34 | FR4 | Add new task | Enter task name “java spike work  Allocated user “Josh Doyle”  Do not select a start date  Enter end date “20/11/15”  Leave status as default ‘allocated’  Number of task elements “2” | | User is told to enter a start date | | Creation of task is rejected |
| TS35 | FR4 | Add new task | Enter task name “java spike work”  Allocated user “Josh Doyle”  Enter start date “10/11/15  Do not enter an end date  Leave status as default ‘allocated’  Number of task elements “1” | | User is told to enter an end date | | Creation of task is rejected |
| TS36 | FR4 | Add new task | Enter task name “Q”  Allocated user  “Oliver Earl”  Select start date “26/10/15”  Select end date “13/11/15”  Enter description “Creation of testing specification”  Leave status as default ‘allocated’  Number of task elements “1” | | User told that Task name is too small | | Creation of task is rejected |

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| --- | --- | --- | --- | --- | --- |
| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS37 | FR4 | Add new task | Enter task name “QA”  Allocated user “Oliver Earl”  Select start date “26/10/15”  Select end date “13/11/15”  Enter description “Creation of testing specification”  Leave status as default ‘allocated’  Number of task elements “1” | User is told that task name is too small | Creation of task is rejected |
| TS38 | FR4 | Add new task | Enter task name “Testing specification”  Allocated user “Maurice Jordan Corriette”  Select start date “13/11/15”  Select end date “23/10/15”  Enter description “Creation of testing specification”  Leave status as default ‘allocated’  Number of task elements “1” | User is told that end date must be after the start date | Creation of task is rejected |
| TS39 | FR4 | Add new task | Enter task name “QAS”  Enter assigned task member “Oliver Earl”  Select start date “26/10/15”  Select end date “13/11/15”  Leave status as default ‘allocated’  Number of task elements “1” | Input accepted  And new modal window opened up for task elements | Task is successfully added |

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| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS40 | FR4 | Add new task | Task description “test description”  Task comment “test comment” | Task element accepted | Task is added successfully |
| TS41 | FR4 | Add new task  (relevant for later test) | Enter task name “Testing specification”  Enter assigned task member “Maurice Jordan Corriette”  Select start date “26/10/15”  Select end date “13/11/15”  Leave status as default ‘allocated’  Number of task elements “1” | Input accepted  And task elements modal window is opened | Task elements window opens |
| TS42 | FR4 | Add new task | Task description leave blank  Task comment “test comment | User is asked to please fill out task description field | Creation of task element is rejected |
| TS43 | FR4 | Add new task | Task description “test description”  Task comment leave blank | User is asked to fill out task comment field | Creation of task element is rejected |
| TS44 | FR4 | Add new task | Task description “test description”  Task comment “test comment” | Input accepted | Task is successfully created |
| TS45 | FR4 | Add new task (relevant for later test) | Enter task name “PostgreSQL spike work”  Allocated user “David Fairbrother”  Select start date “12/10/15”  Select end date “19/10/15”  Number of task elements “1”  Leave status as default ‘allocated’ | Input accepted  And Task elements window opens is opened | task elements window is opened |

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| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS46 | FR4 | Add new task | Task description “T”  Task comment “In Progress” | User is told that Task description is too short | Creation of task element is rejected |
| TS47 | FR4 | Add new task | Task description “TS”  Task comment “D” | User is told that task Comment is too short | Creation of task element is rejected |
| TS48 | FR4 | Add new task | Task description “Research into the PostgreSQL software”  Task comment “In progress” | Input accepted | Task is successfully added |
| TS49 | FR4 | Add new task (relevant for later test) | Enter task name “Expendable test”  Allocated user “Maurice Jordan Corriette”  Select start date “15/10/15”  Select end date “25/10/15”  Leave status as default “allocated”  Number of task elements “-1” | User is told that number of elements cannot be 0 or less | Creation of task is rejected |
| TS50 | FR4 | Add new task (relevant for later test) | Enter task name “Expendable test”  Allocated user “Maurice Jordan Corriette”  Select start date “15/10/15”  Select end date “25/10/15”  Leave status as default “allocated”  Number of task elements “0” | User is told that number of elements cannot be 0 or less | Creation of task is rejected |

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| --- | --- | --- | --- | --- | --- |
| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS51 | FR4 | Add new task (relevant for later test) | Enter task name “Expendable test”  Allocated user “Maurice Jordan Corriette”  Select start date “15/10/15”  Select end date “25/10/15”  Leave status as default “allocated”  Number of task elements “6” | User is told that this is too many elements and that they can add more manually later | Creation of task is rejected |
| TS52 | FR4 | Add new task (relevant for later test) | Enter task name “Expendable test”  Allocated user “Maurice Jordan Corriette”  Select start date “15/10/15”  Select end date “25/10/15”  Leave status as default “allocated”  Number of task elements “1” | Input accepted  And Task elements window is opened | Task elements window is opened |
| TS53 | FR4 | Add new task | Task description “£$”  Task comment “TS comment | User is told that Task description characters are invalid | Creation of task elements rejected |
| TS54 | FR4 | Add new task | Task description “TS desc”  Task comment “ £$%^ ” | User is told that Task comment characters are invalid | Creation of task elements rejected |
| TS55 | FR4 | Add new task | Task description three spaces  Task description “TS comment | User is told that task description must consist of at least 2 letters or numbers | Creation of task elements rejected |
| TS56 | FR4 | Add new task | Task description “TS desc”  Task comment three spaces | User is told that task comment must consist of at least 2 letters and numbers | Creation of task elements rejected |
| TS57 | FR4 | Add new task | Task description “TS expendable description”  Task comment “Delete me maybe” | Input accepted | Creation of task is successful |

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| --- | --- | --- | --- | --- | --- |
| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS58 | FR4 | Add new task | Enter task name “Testing specification”  Allocated user “Maurice Jordan Corriette”  Select start date “266/101/125”  Select end date “13/11/15”  Leave status as default ‘allocated’  Number of task elements “1” | User told that start date is invalid | Creation of task is rejected |
| TS59 | FR4 | Add new task | Enter task name “Testing specification”  Allocated user “Maurice Jordan Corriette”  Select start date “26/10/15”  Select end date “133/111/155”  Leave status as default ‘allocated’ Number of task elements “1” | User is told that end date is invalid | Creation of task is rejected |
| TS60 | FR4 | Add new task | Enter task name “Testing specification”  Allocated user “Maurice Jordan Corriette”  Select start date “10/26/15”  Select end date “13/11/15”  Leave status as default ‘allocated’  Number of task elements “1” | User is told that start date is invalid | Creation of task is rejected |
| TS61 | FR4 | Add new task | Enter task name “Testing specification”  Allocated user  “Maurice Jordan Corriette”  Select start date “26/10/15”  Select end date “11/13/15”  Leave status as default ‘allocated’  Number of task elements “1” | User is told that end date is invalid | Creation of task Is rejected |
| TS62 | FR4 | Add new task | Enter task name “Testing specification”  Allocated user  “Maurice Jordan Corriette”  Select start date “26/10/15”  Select end date “13/11/15”  Leave status as default ‘allocated’  Number of task elements “1” | User told that task name already exists | Creation of task is rejected |

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| --- | --- | --- | --- | --- | --- |
| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS63 | FR4 | Add new task | Enter task name “£$”  Select allocated user “Maurice Jordan Corriette”  Select start date “26/10/15”  Select end date “13/11/15”  Number of task elements “1”  Leave status as default ‘allocated’ | User is told that Task name contains invalid characters | Creation of task is rejected |
| TS64 | FR4 | Add new task | Enter task name “maintenance manual”  Select allocated user “Maurice Jordan Corriette”  Select start date “26/10/15”  Select end date “13/11/15”  Leave status as default ‘allocated’  Number of task elements “abc” | User is told that number of task elements can only consist of numbers | Creation of task is rejected |
| TS65 | FR4 | Add new task | Enter task name “maintenance manual”  Select allocated user “Maurice Jordan Corriette”  Select start date “26/10/15”  Select end date “13/11/15”  Leave status as default ‘allocated’  Number of task elements “£$%” | User is told that number of task elements can only consist of numbers | Creation of task is rejected |
| TS66 | FR5 | Edit existing task | Edit existing task “Testing specification”  Change task name to blank | User told to enter a task name. | Change is rejected |
| TS67 | FR5 | Edit existing task | Edit existing task “Testing specification”  Change task name to “T” | User is told that task name is too small | Change is rejected |

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| --- | --- | --- | --- | --- | --- |
| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS68 | FR5 | Edit existing task | Edit existing task “Testing specification”  Change task name to “£” | User told that task name has invalid characters | Change is rejected |
| TS69 | FR5 | Edit existing task | Edit existing task “QAS”  Change task name to “QA” | User told that task name is invalid | Change is rejected |
| TS70 | FR5 | Edit existing task | Edit existing task “Testing specification”  Change assigned task member to “Cartman” | User told that assigned task member does not exist | Change is rejected |
| TS71 | FR5 | Edit existing task | Edit existing task “Testing specification”  Change start date to “266/100/155” | User is told to enter a valid start date | Change is rejected |
| TS72 | FR5 | Edit existing task | Edit existing task “Testing specification”  Change end date “133/111/155” | User is told to enter a valid start date | Change is rejected |
| TS73 | FR5 | Edit existing task | Edit existing task “Testing specification”  Add a task element task description “A”  Task comment “test comment” | User is told that task description must be two characters or more | Change rejected |
| TS74 | FR5 | Edit existing task | Edit existing task “Testing specification”  Add a task element Task description “AS”  Task comment  “T” | User is told that task comment must be two characters or more | Change rejected |
| TS75 | FR5 | Edit existing task | Edit existing task “Testing specification”  Add a task element task description “AB”  Task comment “AC” | Input accepted | Change is successful |

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| --- | --- | --- | --- | --- | --- |
| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS76 | FR5 | Edit existing task | Edit existing task “Testing specification”  Change task name to “Design specification” | Input accepted | Change is successful |
| TS77 | FR5 | Edit existing task | Edit existing task “Design specification”  Change assigned task member to “Josh Doyle” | Input accepted | Change is successful |
| TS78 | FR5 | Edit existing task | Edit existing task “Design specification”  Change start date to “9/11/15” | Input accepted | Change is successful |
| TS79 | FR5 | Edit existing task | Edit existing task “Design specification” change end date to “7/11/15” | User told that end date cannot be before the start date | Change is rejected |
| TS80 | FR5 | Edit existing task | Edit existing task “Design specification”  Change end date to “30/11/15” | Input accepted | Change is successful |
| TS81 | FR5 | Edit existing task | Edit existing task “Design specification”  Change start date to “01/12/15” | User is told that the start date cannot be after the end date | Change is unsuccessful |
| TS82 | FR5 | Edit existing task | Edit existing task “Design specification”  Change description to “Creation of design specification” | Input accepted | Change successful |

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| --- | --- | --- | --- | --- | --- |
| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS83 | FR5 | Edit existing task | Edit existing task “Design specification”  Change task name to “PostgreSQL spike work” | User told that task name already exists | Change is rejected |
| TS84 | FR3 | Delete existing member | Delete member “Oliver Earl” | User is told that Member cannot be deleted as he still has task(s) assigned | Delete is unsuccessful |
| TS85 | FR6 / FR3 | Abandon task | Select existing task “QAS” and click on abandon button | In the status columns for the task “Abandoned” should be present” | Task is abandoned |
| TS86 | FR3 | Delete existing member | Delete member “Oliver Earl” | Input accepted | Deletion is successful |
| TS87 | FR4 | Delete task elements | Select existing task “Test specification” and delete task elements | No output | Deletion successful |
| TS88 | FR4 | Checking for deleted task elements | Select existing task “test specification” and view task elements | No task elements should be visible on task elements modal window | Task “Test specification” has no task elements |
| TS89 | FR4 | Delete task elements that do not exist | Select existing task “test specification” and click on delete elements | User is told that task does not have any tasks | Deletion is unsuccessful |

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| --- | --- | --- | --- | --- | --- |
| Test Ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS90 | FR6 | Abandoning task | Select existing task “PostgreSQL spike work”  Then click on the abandon button | In the Status column for the task, “Abandoned” should be present | Task is abandoned |
| TS91 | FR6 | Edit an abandoned task | Select abandoned task “PostgreSQL spike work”  Click on Edit button | User is told task cannot be edited as it has been abandoned | Ability to edit is denied |
| TS92 | FR6 | Delete task | Select allocated task “Expendable task”  And click on the delete button | User told that task cannot be deleted as it is still allocated and has not yet been abandoned | Deletion of task is unsuccessful |
| TS93 | FR6 | Abandon task | Select allocated task “Expendable task” and click on the abandon button | In the Status column for the task, “Abandoned” should be present | Task is abandoned |
| TS94 | FR6 | Abandon task | Select abandoned task “Expendable task” and click on delete button | Dialogue box appears asking user to confirm deletion | Task is deleted |
| TS95 | FR7 | View list of tasks | Gain access to main menu | Task “PostgreSQL Spike work” and “Design specification” are present in the list. | Tasks are visible and correct in the list |

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| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS96 | FR7 | Check list order | Gain access to menu | All Tasks should be ordered by their end date | List is in correct order filtered by end date |
| TS97 | FR7 | Check list order | Gain access to menu  Filter order via clicking on status column | All tasks should be ordered by status. Allocated being the highest, followed by completed followed by abandoned. | List in correct order sorted by status  Allocated ranked higher than abandoned |

# Taskercli testing

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| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS98 | FR8 | Logging into system | Open desktop application TaskerCLI Do not enter email address and click on login button | User is told to enter an email address | User access is prohibited |
| TS99 | FR8 | Logging into system | Enter email address “antibones123” and click on login button | User is told to enter a valid email address | User access is prohibited |
| TS100 | FR8 | Logging into system | Enter email address jjj123@aber.ac.uk and click on login button | User is told that the email is not recognised | User access is prohibited |
| TS101 | FR8 | Logging into system | Enter email address “Mac81@aber.ac.uk”  And click on login button | User directed to main menu | User access is granted |
| TS102 | FR8a | Tasks specific to login in user | Look through tasks specifically the assigned users | There should be no tasks that has a user assigned other than Maurice Jordan Corriette | Only tasks assigned to Maurice Jordan Corriette are visible |
| TS103 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL”db.dcs.ac.uk”  Enter Port number “3306” Enter Database name  “csgp\_5\_15\_16”  Enter Database username  “csgpadm\_5”  Enter database password “906BnQjD”  Then press on the connect button | Coloured Circle should remain Red  and error message should appear saying ”Error: Invalid Database URL entered” | TaskerCLI  Synchronisation with TaskerSRV Unsuccessful |

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| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test content | Input | Output | Pass criteria |
| 104 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL””  Enter Port number “3306” Enter Database name  “csgp\_5\_15\_16”  Enter Database username  “csgpadm\_5”  Enter database password “906BnQjD”  Then press on the connect button | Coloured Circle should remain Red  and error message should appear saying ”Error: Please enter a Database URL” | TaskerCLI  Synchronisation with TaskerSRV Unsuccessful |
| TS105 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL”db.dcs.ac.uk”  Enter Port number “330006” Enter Database name  “csgp\_5\_15\_16”  Enter Database username  “csgpadm\_5”  Enter database password “906BnQjD”  Then press on the connect button | Coloured Circle should remain Red and error message should appear saying ”Error: Invalid port number entered” | TaskerCLI  Synchronisation with TaskerSRV Unsuccessful |

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| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS106 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL”db.dcs.ac.uk”  Enter Port number “” Enter Database name  “csgp\_5\_15\_16”  Enter Database username  “csgpadm\_5”  Enter database password “906BnQjD”  Then press on the connect button | Coloured Circle should remain Red and error message should appear saying ”Error: Please enter a port number” | TaskerCLI  Synchronisation with TaskerSRV Unsuccessful |
| TS107 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL”db.dcs.ac.uk”  Enter Port number “3306” Enter Database name  “csgp\_5\_15\_16”  Enter Database username  “csgpadm”  Enter database password “906BnQjD”  Then press on the connect button | Coloured Circle should remain Red and error message should appear saying ”Error: invalid Database username” | TaskerCLI  Synchronisation with TaskerSRV Unsuccessful |

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| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS108 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL”db.dcs.ac.uk”  Enter Port number “3306” Enter Database name  “csgp\_5\_15\_16”  Enter Database username  “”  Enter database password “906BnQjD”  Then press on the connect button | Coloured Circle should remain Red and error message should appear saying ”Error: Please enter a Database username” | TaskerCLI  Synchronisation with TaskerSRV Unsuccessful |
| TS109 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL”db.dcs.aber.ac.uk”  Enter Port number “3306” Enter Database name  “”  Enter Database username  “csgpadm\_5”  Enter database password “906BnQjD”  Then press on the connect button | Coloured Circle should remain Red  and error message should appear saying ”Error: Please enter a Database name” | TaskerCLI  Synchronisation with TaskerSRV Unsuccessful |

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| Test ref | Req being tested | Test content | Input | Output | Pass criteria |
| 110 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL”db.dcs.aber.ac.uk”  Enter Port number “3306” Enter Database name  “csgp\_5\_15”  Enter Database username  “csgpadm\_5”  Enter database password “906BnQjD”  Then press on the connect button | Coloured Circle should remain Red  and error message should appear saying ”Error: invalid Database name” | TaskerCLI  Synchronisation with TaskerSRV Unsuccessful |
| 111 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL”db.dcs.aber.ac.uk”  Enter Port number “3306” Enter Database name  “csgp\_5\_15\_16”  Enter Database username  “csgpadm\_5”  Enter database password “”  Then press on the connect button | Coloured Circle should remain Red  and error message should appear saying ”Error: Please enter Database password” | TaskerCLI  Synchronisation with TaskerSRV Unsuccessful |

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| Test ref | Req being tested | Test content | Input | Output | Pass criteria |
| 112 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL”db.dcs.aber.ac.uk”  Enter Port number “3306” Enter Database name  “csgp\_5\_15\_16”  Enter Database username  “csgpadm\_5”  Enter database password “906adm”  Then press on the connect button | Coloured Circle should remain Red  and error message should appear saying ”Error: invalid Database password” | TaskerCLI  Synchronisation with TaskerSRV Unsuccessful |
| 113 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL ”abc”  Enter Port number “abc” Enter Database name  “abc”  Enter Database username  “abc”  Enter database password “abc”  Then press on the connect button | Coloured Circle should remain Red  and error message should appear saying ”Error: invalid Database details” | TaskerCLI  Synchronisation with TaskerSRV Unsuccessful |

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| Test ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS114 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button. | Coloured Circle should be green and “Connected” should be clearly visible in bold. | TaskerCLI  Synchronisation with TaskerSRV  Succesful |
| TS115 | FR11 | Checking for start-up synchronisation | Gain access to main menu and then click on the Connection setting button.  Enter Database URL”db.dcs.aber.ac.uk”  Enter Port number “3306” Enter Database name  “csgp\_5\_15\_16”  Enter Database username  “csgpadm\_5”  Enter database password “906BnQjD”  Then press on the connect button | Coloured circle should Turn green  And “Connected” should be clearly visible in bold | TaskerCLI successfully syncs with TaskerSRV |
| TS116 | FR11 | Checking for periodic synchronisation | Following previous test, close connection setting page and leave TaskerCLI running for 5 minutes  Then reopen the connection settings page. | On the connection setting page last synced should be “5 minutes ago” | TaskercLI successfully syncs with database after 5 minutes |
| TS117 | FR8a | Checking for local storage of tasks | Go to “TaskerCLI program directory” and then access subdirectory “data”  Open “Design specification” txt file | User should be able to view data of Design specification | Local storage of Design specification data confirmed |

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| Test ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS118 | FR10 | Select task to view | Gain access to main menu and select the task ‘Design specification’ | In quick view section of main menu, ‘Design specification’  details including task name, status , assigned task member, start/end date and task elements should be shown | Tasks are selectable and can be viewed in quick view |
| TS119 | FR10 | Select multiple tasks to view | Gain access to main menu and select the tasks ‘Design specification’ and ‘PostgreSQL spike work’ | In quick view section of main menu, ‘Design specification’  Details should be shown.  Click on the > icon and the second selected task ‘PostgreSQL spike work’ should be now viewable | Selected tasks can both be viewed in quick view using the  < > buttons |
| TS120 | FR10 | Edit task status | Edit task ‘Design specification’  Change task status to ‘Completed’  Then click save | Input accepted | Edit is successful |
| TS121 | FR10 | Edit task status | Edit task ‘Design specification’  Change task status to ‘Abandoned’  Then click save | User is told that he/she cannot set task to abandoned | Edit is rejected |

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| Test ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS122 | FR10 | Edit task step comments | Edit task ‘Design specification’  Change task elements to Blank  Then click save | User told to give a description for the task | Edit is rejected |
| TS123 | FR10 | Edit task step comments | Edit task ‘Design specification’  Change task elements to ‘Task has now been completed’  Then click save | Input accepted | Edit is successful |
| TS124 | FR10 | Edit task step comments | Edit ‘Design Specification’  Change task elements to ‘£$%^&’  Then click save | User is told that Task elements cannot contain only special characters | Edit is unsuccessful |
| TS125 | FR11 | Checking synchronisation timing  (Test to be carried out immediately after TS…) | Access main menu and click on Connection setting button | Connection setting window should display “last connected less than 1 minutes ago |  |
| TS126 | FR9 | Checking synchronisation of local storage of data and that of TaskerSRV | Following changes made to Design specification  Access TaskerMAN  And view Design specification | Status should now be “Completed”  And task elements should be “Task has now been completed” | Confirmation of synchronisation between local storage of data and TaskerSRV through TaskerMAN |

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| Test ref | Req being tested | Test content | Input | Output | Pass criteria |
| TS127 | FR11 | Checking synchronisation timing  (Test to be carried out immediately after TS…) | Access main menu and click on Connection setting button | Connection setting window should display “last connected less than 1 minutes ago | TaskerCLI synced immediately after task update |
| TS128 | FR9 | Checking synchronisation of local storage of data and that of TaskerSRV | Following changes made to Design specification  Access TaskerMAN  And view Design specification | Status should now be “abandoned” | TaskerCLI Successfully synced with TaskerSRV following edit of Design specification |
| 129 | FR8a | Checking for local storage of tasks | Disconnect the computer from the internet temporarily.  Then edit pre-existing task “Test report” changing the status from allocated to completed. | The change should be made on TaskerCLI and be evident | Change has been made on TaskerCLI |
| 130 | FR8a | Checking for local storage of tasks | Reconnect the computer to the internet and connect TaskerCLI to the database via appropriate credentials , as follows:  Enter Database URL”db.dcs.ac.uk”  Enter Port number “3306” Enter Database name  “csgp\_5\_15\_16”  Enter Database username  “csgpadm\_5”  Enter database password “906BnQjD” | On connection settings page, and main menu “Connected” should be visible | TaskerCLI reconnects and syncs with database |
| 131 | FR8a | Checking for local storage of tasks | Log into TaskerMAN with username “manager@example.com”  And view task “test specification” | The status of task “test report”  should be set as completed | TaskerCLI automatically updates database with locally stored changes. |

REFERENCES

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| --- | --- |
| [1] | N. W. Hardy, C. J. Price and B. P. Tiddeman, *SE.QA.06 - Test Procedure Standards,* Aberystwyth University: Software Engineering Group Project, 2015. |
| [2] | N. W. Hardy, *Tasker Team Tasking System - Requirement Specification,* Aberystwyth University: Software Engineering Group Project, 2015. |

DOCUMENT HISTORY

| *Version* | *CCF No.* | *Date* | *Changes made to document* | *Changed by* |
| --- | --- | --- | --- | --- |
| 0.1 | N/A | 2015-11-5 | Original Version | MAC81 |
| 0.2 | N/A | 2015-11-8 | Document up for review | MAC81 |
| 0.3 | N/A | 2015-11-11 | Corrected Template | DAF5 |