

Software Engineering Group Project Testing Specification

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1. INTRODUCTION

1.1 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.

1.2 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]

1.3 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.

2. TASKERSRV / TASKERMAN TESTING

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

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

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

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 unsuccessful
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

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

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

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

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

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

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 "26/10/15" 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 "133/11/155" 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

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

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

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

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

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

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

3. TASKERCLI TESTING

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

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

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

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

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

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

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 Successful
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

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

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

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

- [1] N. W. Hardy, C. J. Price and B. P. Tiddeman, *SE.QA.06 1.8 - Test Procedure Standards*, Aberystwyth University: Software Engineering Group Project, 2015.
- [2] N. W. Hardy, *Tasker Team Tasking System - Requirement Specification 1.2*, Aberystwyth University: Software Engineering Group Project, 2015.

DOCUMENT HISTORY

<i>Version</i>	<i>CCF No.</i>	<i>Date</i>	<i>Changes made to document</i>	<i>Changed by</i>
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
1.0	N/A	2015-11-14	Document Release	MAC81
2.0	196	2016-02-13	Complete update of document	DAF5
2.1	188	2016-02-13	Added document versions to references	DAF5