

Group 16

# Test Specification For The Final System

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## 1.0 Introduction

### 1.1 Purpose of this document

This is the test specification for the final system. The purpose of this document is to outline and describe the series of tests that have been designed to thoroughly test all aspects of our User application (Tasker CLI) and our web application (TaskerMan).

### 1.2 Scope

This document specifies how each individual test should be performed. It specifies what the input should be, what the output should be and describes the pass criteria that will allow us to determine whether or not each element being tested meets the required specification.

### 1.3 Objectives

The main objective of this document is to ensure that both of the applications are put through thorough tests to ensure that everything works correctly and that it meets the requirement specifications.

## 2.0 Test Specifications

Test Ref	Req being Tested	Test Content	Input	Output	Pass Criteria (Pass if)
SE-F-001	FR3	Does the database have the registered team member with their full name?	Click on any of the registered member on the member's page.	The database should output the team member's full name	The members page should be able to help display the registered member's info with their full name and email address
SE-F-002	FR4/FR7/FR3	Check that the user can navigate to the homepage of TaskerMan.	Click on the TaskerMan logo.	The user should be able to click on the TaskerMan logo which should take them to the main page of the website.	The logo should direct user to the main page.
SE-F-003	FR3	Main Page: TaskerMan Home Page Button (links to) Members Page	Click on the "Member Page".	When clicked on the "Member Page" button it should be able to take the user to the correct place, which is going to be Members Info Page.	The button should work and allocate the user to the right web.
SE-F-004	FR3	Members Page: Members details	Click on one of the members from the members list within the members page	The detail of the member should be able to display in members info page	The user should be directed to the detail of the members that they clicked

SE-F-005	FR3	Members Page: Navigation button (Team Member)	Click on the Team members navigation button.	The button should highlight when the mouse is hovered and when it is clicked it should direct the user to the members page	The button should work correctly by taking the user to the right page
SE-F-006	FR3	Members Info Page: Addition of the new member to the database (Add button)	Click on the Add button.	The user should be able to add the member by clicking the Add Button.	The button should be able to do the allocated task of taking the user to adding members section.
SE-F-007	FR3	Members Info Page: Remove of the member from the database. (Remove button)	Click on the Remove Button.	The user should be able to delete existing member by clicking the remove button.	The button should be able to do the allocated task of taking the user to removing members section.
SE-F-008	FR3	Edit Members Info Page: Checking if it gives error when using numbers/characters/going out of characters	Enter the full name with numbers/characters or without space. e.g. (max234) Repeat a letter numerous times. e.g. repeat "b" 46 times	An error should appear if anything except text is used exceptional to space within the text to output full name.	An error should tell the user that the name that they used does not match with the criteria
SE-F-009	FR3	Edit Members Info Page: Name Input Change	Enter the user's full name (e.g. John Doe)	The user should be able to change their name if they want to update their full name	The user should be able to type their name and it should have appropriate characters in

				within the database.	order to be able to register.
SE-F-010	FR3	Edit Members Info Page: Email Input Change	Enter the email id with appropriate format.  e.g. (john123@aber.ac.uk)	The user should be able to change their email id if they want to update their email id within the database.	The user should be able to type their email and it should have appropriate email id in order to be able to register.
SE-F-011	FR3	Edit Members Info Page: Checking if it gives error when not using @ symbol or using invalid form of email for the email id and also exceeding the length of the email id.	Enter the email id without @. Enter the email id with other symbols. Repeat the letter in email id to exceed the length of the email id.  e.g. (john/aber.ac.uk) Or (johnnnnn@aber.ac.uk)	An error should appear if anything except text is used exceptional to space within the text to output full name.	An error should tell the user that the name that they used does not match with the criteria.
SE-F-012	FR3	Edit Members Info Page: Checking that when the form is submitted the appropriate changes are made to the user's details.	Click on the submit button.	The user should be able to update changes of their name and email by clicking the submit button.	The submit button should be able to apply any changes made.
SE-F-013	FR3	Edit Members Info Page: Checking whether the error is given if field is empty	Do not enter any text/character in the fields and click on submit.	The user should see an error if there is nothing entered and submitted.	An error message should appear if there is nothing added to the fields.

SE-F-014	FR3	Edit Members Info Page: Checking the error message for the members page if one of the field is left blank when editing the members info.	Enter text only in the one of the two fields (Full name or E-mail) within the edit page.	The user should get an error stating that one of the missing fields is blank/missing.	An error message should appear to the user if one of the fields is left blank.
SE-F-015	FR3	Edit Members Info Page: Checking whether an error is given if one of the field is left blank	Leave one of the fields blank and submit	An error should occur if one of the fields is missing or left blank	An error message should warn the user about missing fields
SE-F-016	FR3	Edit Members Info Page: Checking whether an error is given when the full name field is left blank	Leave full name blank	The user should receive an error if this field is left blank/ignored	An error message should warn user that they need to input member name in this field
SE-F-017	FR3	Create Members Page: Creating a password. Should be more than 8 characters long and not complex.	Create a valid password (e.g. pass2321)	User should be able to set up password for new members.	Members should be able to be registered with password for later on purposes.
SE-F-018	FR3	Create Members Page: Creating a password. Members should face error if the valid password criteria is not met, or if the character input is too complex by using symbol	Enter (pa123) or (p@55W!#%&*&) to test if the character length if it is too short.	An error should be given to the user for the password being too short or if using symbol the password do not meet the criteria	An error message should warn the user that their password criteria needs to be met.
SE-F-019	FR3	Create Members Page: Using the profile picture	Click on the Choose file to add a profile picture.	A new window should pop up where user can select their upload	User can select a profile picture.

				picture for their profile picture.	
SE-F-020	FR3	Create Members Page: Using the default profile picture	Do not choose a profile picture	It should set a default profile with no photo of the member	User can use the default profile.
SE-F-021	FR3	Edit Members Info Page: Adding profile picture	Click on the Choose file to add a profile picture.	A new window should pop up where user can select their upload picture for their profile picture.	User can select a profile picture.
SE-F-022	FR3	Edit Members Info Page: Adding default profile picture	Do not choose a profile picture	It should set a default profile with no photo of the member	User can use the default profile.
SE-F-023	FR3	Members page (Remove member): Selecting to remove the members	After clicking the remove button, It should take the user to remove members section. Choose member from the dropdown list and click submit.	After selecting a member and clicking submit the user should be removed from the database. The dropdown list should work and display members that are registered on the database	User can be removed from database
SE-F-024	FR4	Main Page: TaskerMan Home Page Button (links to) Create Task	Click on the "Create Page".	When clicked on the "Create Task" button it should be able to take the user to the correct	The button should work and allocate the user to the right web.



				place, which is going to be Task Page.	
SE-F-025	FR7	Main Page: TaskerMan Home Page Button (links to) View Task	Click on the “View Task” Page.	When clicked on the “View Task” button it should be able to take the user to the correct place which is going to be Viewing Page	The button should work and allocate the user to the right web.
SE-F-026	FR1	Members Page: Members details	Click on one of the member from the member list within the members page	The detail of the member should be able to display in members info page	The user should be directed to the detail of the member that they clicked
SE-F-027	FR1	Members Page: Navigation button (Team Member)	Click on the Team member’s navigation button.	The button should highlight when the mouse is hovered and when it is clicked it should direct the user to the members page	The button should work correctly by taking the user to the right page
SE-F-028	FR4	Members Page: Navigation button (Create task)	Click on the Create task navigation button.	The button should highlight when the mouse is hovered and when it is clicked it should direct the user to the Create task page	The button should work correctly by taking the user to the right page

SE-F-029	FR4	Create task page: Checking whether the button works or not to be able to create and save the task	Click the Add button	The user should be able to create tasks after filling out all the fields	The Add button should work by adding the task that the user created
SE-F-030	FR4	Create task page: Checking whether when creating the task the user will be able to cancel the process.	Click the cancel button	The user should be able to cancel the task if needed or when they make a mistake or they realise that the task has already been created	The cancel button should be able to cancel the creation of the tasks for the user
SE-F-031	FR4	Create task page: Checking whether error occurs by leaving all the fields blank and adding the task using Add button.	Leave all of the fields blank and add it	An error should occur if all of the fields are missing or left blank	An error message should warn the user about missing fields
SE-F-032	FR4	Create task page: Checking whether the title accepts valid title.	Enter the Task Title e.g. ("Modify Changes")	The user should be able to add appropriate title on the field which will be used when creating the task	The field should work if the user includes valid title.
SE-F-033	FR4	Create task page: Checking whether the task can be allocated to registered members.	Choose the member that is allocated to the task from the drop down list.	The user should be able choose the names of the member from that dropdown list that has been allocated to the task.	The drop down list should work if member is registered within the database.

SE-F-034	FR4	Create task page: Checking that the start date of the task can be applied in correct date format.	Enter the start date with the appropriate format (dd/mm/yyyy). e.g. 12/05/2015	The user should be able to input the date that the task is going to start with the appropriate date layout	The field should be able to take the date. An error should occur if the field does not correspond to the appropriate date format
SE-F-035	FR4	Create task Page: Checking that the date completion can be applied with correct date format.	Enter the date completion with appropriate format (dd/mm/yyyy). e.g. 13/02/2015	The user should be able to input the date of the completion of their task in the appropriate date format.	The date of completion should work if the format of the date is correct.
SE-F-036	FR4	Create task Page: Checking whether comments can be used when creating the task	Enter the comments. i.e. write a sentence or more about the task and its info.	The user should be able to add free text on the field which will be used when creating the task	The field should work if the user includes insertion of comments.
SE-F-037	FR4	Members Info Page: The edit button on the Members Info page (links to) Edit Members Info Page	Click on the Edit Member button/image	The button/image should take the user to the Edit Members Info Page.	The button/image should work and allocate the user to the right web
SE-F-038	FR4	Create Task Page: Checking if the radio button lets the user choose the option.	Choose one of the options from the radio button. 1.Allocated 2.Abandoned 3.Completed	The user should be able to choose one of the options from the radio button which will allow them to know the	The user should be able to use the radio button and choose an option

				progress of the task	
SE-F-039	FR4	Create Task Page: Checking error if the task title field is left blank.	Leave the Task title field blank	The user should be given a warning about leaving this blank field.	An error message should warn user stating that this field is blank
SE-F-040	FR4	Create Task Page: Checking error if the allocated member field is left blank	Leave the Allocated Member field blank	The user should be given a warning about leaving this blank field or unchosen.	An error message should warn user stating that this field is blank/unchosen.
SE-F-041	FR4	Create Task Page: Checking error if the start date field is left blank.	Leave the start date field blank	The user should be given a warning about leaving this field blank and not entering the start date of the task.	An error message should warn user stating that this field is left blank.
SE-F-042	FR4	Create Task Page: Checking error if the start date field is left blank.	Leave the Date completion field blank	The user should be given a warning about leaving this field blank.	An error message should warn user stating that this field is blank
SE-F-043	FR4	Create Task Page: Checking error if the comment field is left blank.	Leave the Comment field blank	The user should be given a warning about leaving this blank field.	An error message should warn user stating that this field is blank
SE-F-044	FR6	Create Task Page: Checking error if the radio button is left unchosen.	Leave the radio button unchosen	The user should be given warning about leaving the	An error message should warn user stating that this field is left unchosen

				option unticked	
SE-F-045	FR4	Create Task: Checking if it gives error when Task title has exceeding length and also use of numbers/characters (symbols)	Enter the Task title with numbers and symbols. e.g. (!Design L0go) Repeat a letter in Task title to exceed the length of the Task title. Type “d” 45 times	An error should appear if anything except text is used exceptional to space within the text to output full name. An error should also appear for exceeding the length.	An error should tell the user that the Task title contains inappropriate characters and exceeded length.
SE-F-046	FR4	Create Task: Checking if it gives error when the start date field uses text/symbols within the date format	Use text/symbols within the start date field. (@s/?ds./?sd!)	An error should appear for the user for use of invalid date.	An error message should warn user stating that this field is incorrect
SE-F-047	FR4	Create Task: Checking if it gives error when the date completion field uses text/symbols within the date format	Use text/symbols within the date completion field. e.g. (@s/?ds./?sd!)	An error should appear for the user for use of invalid date.	An error message should warn user stating that this field is incorrect.
SE-F-048	FR5	Edit Task Page: Checking whether the Edit button works or not to be able to edit and save the task	Click the edit button after editing the task	The user should be able to edit tasks after filling out all the fields	The edit button should work by editing the task that the user has changed
SE-F-049	FR5	Edit Task Page: Checking whether error occurs by leaving all the fields blank and adding the task using Add button.	Leave all of the fields blank and add it	An error should occur if all of the field are missing or left blank	An error message should warn the user about missing fields
SE-F-050	FR5	Edit Task Page: Checking whether the title accepts valid title.	Enter the Task Title e.g. (“Data Changes”)	The user should be able to add appropriate title on the field which	The field should work if user includes valid title.

				will be used when creating the task	
SE-F-051	FR5	Edit Task Page: Checking whether the task can be allocated to registered members.	Choose the member that is allocated to the task from the drop down list.	The user should be able choose the names of the member from that dropdown list that has been allocated to the task.	The drop down list should work if member is registered within the database.
SE-F-052	FR5	Edit Task Page: Checking that the start date of the task can be applied in correct date format.	Enter the start date with appropriate format (dd/mm/yyyy). e.g. 12/05/2015	The user should be able to input the date that the task is going to start with appropriate date layout	The field should be able to take the date. An error should occur if the field does not correspond to the appropriate date format
SE-F-053	FR5	Edit Task Page: Checking that the date completion can be applied with correct date format.	Enter the date completion with appropriate format (dd/mm/yyyy). e.g. 13/02/2015	The user should be able to input the date of the completion of their task in appropriate date format.	The date of completion should work if the format of the date is correct.
SE-F-054	FR5	Edit Task Page: Checking whether Task element can be used when creating the task	Enter the task element. i.e. write a sentence or more about the task and its info.	The user should be able to add free text on the field which will be used when creating the task	The field should work if user includes insertion of task element.

SE-F-055	FR5	Edit Task Page: The edit button on the Members Info page (links to) Edit Members Info Page	Click on the Edit Member button/image	The button/image should take the user to the Edit Members Info Page.	The button/image should work and allocate the user to the right web page
SE-F-056	FR6	Edit Task Page: Checking if the radio button lets the user choose the option.	Choose one of the options from the radio button. 1.Allocated 2.Abandoned 3.Completed	The user should be able to choose one of the option from the radio button which will allow them to know the progress of the task	The user should be able to use the radio button and choose an option
SE-F-057	FR5	Edit Task Page: Checking error if the task title field is left blank.	Leave the Task title field blank	The user should be given a warning about leaving this blank field.	An error message should warn user stating that this field is blank
SE-F-058	FR5	Edit Task Page: Checking error if the allocated member field is left blank	Leave the Allocated Member field blank	The user should be given a warning about leaving this blank field or unchosen.	An error message should warn users stating that this field is blank/unchosen.
SE-F-059	FR5	Edit Task Page: Checking error if the start date field is left blank.	Leave the start date field blank	The user should be given a warning about leaving this field blank and not entering the start date of the task.	An error message should warn user stating that this field is left blank.

SE-F-060	FR5	Edit Task Page: Checking error if the start date field is left blank.	Leave the Date completion field blank	The user should be given a warning about leaving this blank field.	An error message should warn user stating that this field is blank
SE-F-061	FR5	Edit Task Page: Checking error if the task element field is left blank.	Leave the task element field blank	The user should be given a warning about leaving this blank field.	An error message should warn user stating that this field is blank
SE-F-062	FR6	Edit Task Page: Checking error if the radio button is left unchosen.	Leave the radio button unchosen	The user should be given warning about leaving the option unticked	An error message should warn user stating that this field is left unchosen
SE-F-063	FR5	Edit Task Page: Checking if it gives an error when the Task title has exceeding length and also the use of numbers/characters (symbols)	Enter the Task title with numbers and symbols. e.g. (!Design L0go) Repeat a letter in Task title to exceed the length of the Task title. Type "d" 45 times	An error should appear if anything except text is used exceptional to space within the text to output full name. An error should also appear for exceeding the length.	An error should tell the user that the Task title contains inappropriate characters and exceeded length.
SE-F-064	FR5	Edit Task Page: Checking if it gives error when the start date field uses text/symbols within the date format	Use text/symbols within the start date field. (@s/?ds./?sd!)	An error should appear for the user for use of invalid date.	An error message should warn user stating that this field is incorrect
SE-F-065	FR5	Edit Task Page: Checking if it gives error when the date completion field uses	Use text/symbols within the date completion field. e.g. (@s/?ds./?sd!)	An error should appear for the user for	An error message should warn user stating



		text/symbols within the date format		the use of invalid date.	that this field is incorrect.
SE-F-066	FR6	Edit Task Page: Checking error if the radio button is left unchosen.	Leave the radio button unchosen	The user should be given warning about leaving the option unticked	An error message should warn user stating that this field is left unchosen
SE-F-067	FR8	Application Login section: Checking if it gives error when one of the field is left blank and pressed login.	Leave either the user id or password unfilled	An error should be given telling that the user is missing/leaving one of the field blank.	An error is given to the user for blank field.
SE-F-068	FR8	Application Login section: Checking if it gives error when both of the field is left blank and pressed login.	Leave both of the user id and password unfilled	An error should be given telling that the user needs fill in the blank fields.	An error is given to the user for blank fields.
SE-F-069	FR8a	Local storage of tasks	Close the application	The program should automatically save the tasks	The tasks are saved in the correct folder
SE-F-070	FR8a FR11	Synchronised timing	Wait 5 minutes without internet	If the server is offline or the users don't have an internet connection, taskerCLI should save the tasks locally	The task can be accessed offline.
SE-F-071	FR9	Task synchronisation	Click save on edit task	The tasks should be saved locally and synchronised with the server	The tasks are synchronised

SE-F-072	FR9	Task synchronisation on login	Check tasks before and after login	The tasks should be synchronised with the server	The tasks are synchronised
SE-F-073	FR10	User Application: Edit task button	Click on the Edit task button	The user should be able click on the Edit task to go to the edit section within the application.	Edit button must function properly, open edit task section
SE-F-074	FR10	User Application: Task Details Panel	Use user application section	The Task Details Panel should be able to display the tasks that have already been created by the user.	Display the task correctly.
SE-F-075	FR10	User Application: Table	Use user application section	The table should display the database for the user.	Display the database correctly.
SE-F-076	FR10	User Application Editor: Display User	Click on the Edit Task button.	The task name should be displayed on the user application section to let them know that they are modifying.	The task name should be displayed correctly.
SE-F-077	FR10	User Application Editor: Radio Button	Click on one of the radio button provided. 1. Completed 2. On-going	The user should be able to click on one of the radio button and then be able to submit it.	User can change the task using radio button.

SE-F-078	FR10	Application Editor: Submit Button	Click on the submit button	The user should be able to edit and submit the comment using the submit button.	User can submit the changes
SE-F-079	FR11	Synchronisation timing	Wait 5 minutes with internet	The tasks should be synchronised with the server	The tasks are synchronised

## Change History

Version	CCF No.	Date	Changes Made To Document	Changed By
1.1	N/A	2015-11-12	Format changed to suit design specification. Changed release version. Edited text to be grammatically correct.	Robert Mouncer – rdm10