Software Engineering Group Project

Word Template

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# 

# Introduction

## Purpose of this Document

This document will provide a specification for the testing of the program. The specification will include a number of different tests which will test each and every aspect of the Tasker. The tests will be able to be used by any user which will ensure that any user will be able to use the system without any bugs. In short the Test Specification is meant to ensure the system runs to the best of its ability with minimal bugs,

## Scope

The scope of this document will be specific with only one thing being covered; the test specification. The document will consist of one main section:

* Test Specification

The test specification will only be covering the testing aspect of the documentation. Although there will be some scope to the tests as they will all test different parts of the system. The TaskerCLI and the TaskerMAN will both need to be tested so this provides scope to the document.

## Objectives

The objective of this test specification is to provide an abundance of tests that will test the system on both its simple and complex aspects. The objectives of this document are:

* Provide the group with detailed tests.
* Provide the group with the input and output of the tests.
* Provide a pass condition for each tests.
* The document will provide tests for all aspects of the system.
* Tests will cater to all types of people who could use the system.

# Test Specification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test ref | Ref being tested | Test content | Input | Output | Passed if |
| T1 | FR3 | Do all the member in the team register in the data base holds the full name and output full name in web application | Enter privilege email id  Enter privilege password account.  User click “log in” button  Select “Member” from menu provided in web application. | ID: 262  Last Name: Jims  First Name Laurence  Field: Programmer  Email id: laj12@aber.ac.uk | Application output members details with their full name provided when added in the database. |
| T2 | FR3 | Do all the member in the team register in the data base holds the full name and output full name in desktop application | User launch desktop application  User enter valid Email id  User enter valid password account.  User click “log in” button  User select “task” option from desktop application. | ID:123  Task : Design Logo  Start Date:11/11/2015  End Date:11/12/2015  Employee: Laurence Jims | Application output members details with their full name provided when added in the database. |
| T3 | FR3 | Does web application output team member email id | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Member” from menu provided in web application. | ID: 262  Last Name: Jims  First Name Laurence  Field: Programmer  Email id: laj12@aber.ac.uk | Application output all member details with their email id added in it. |
| T4 | FR3 | Does desktop application output team member email id | User launch desktop application  User enter valid Email id  User enter valid password account.  User click “log in” button  User select “Task” option  User select “Employee” option from desktop application.  User select the employee i.e. Laurence Jims | Name: Laurence Jims  ID:12  Field: Designer  Email id: laj12@aber.ac.uk | Application output all member details with their email id added in it. |
| T5 | FR4 | Does web application output title for the task? | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task” from menu provided in web application. | Design Logo – Laurence Jims assigned | Application output task with its title added to it. |
| T6 | FR4 | Does desktop application output title for the task? | User launch desktop application  User enter valid Email id  User enter valid password account.  User click “log in” button  Select “task” option from desktop application. | ID:123  Task : Design Logo  Start Date:11/11/2015  End Date:11/12/2015  Employee: Laurence Jims | Application output task with its title added to it. |
| T7 | FR4 | Does web application output all task with member allocated to it. | Enter privilege email id  Enter privilege password account.  User click “log in” button  Select “Task” from menu provided in web application. | Design Logo – Laurence Jims assigned  Programming web page – Banks Igs, Jenna Simpsns, Rita Lau | Application output task with holding one or more member specified to work on it |
| T8 | FR4 | Does desktop application output all task with member allocated to it. | User launch desktop application  User enter valid Email id  User enter valid password account.  User click “log in” button  Select task option from desktop application. | ID:123  Task : Design Logo  Start Date:11/11/2015  End Date:11/12/2015  Employee: Laurence Jims | Application output task with holding one or more member specified to work on it |
| T9 | FR4 | Does web application output all task with stating date. when it needs to be started | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task status” from menu provided in web application. | Task : Design Logo  Start Date:11/11/2015  Completion Date:11/12/2015  Status: Ongoing | Application output task with starting date added to it. |
| T10 | FR4 | Does desktop application output all task with stating date. when it needs to be started | User launch desktop application  User enter valid Email id  User enter valid password account.  User click “log in” button  User select “Task” option from desktop application. | ID:123  Task : Design Logo  Start Date:11/11/2015  End Date:11/12/2015  Employee: Laurence Jims | Application output task with starting date added to it. |
| T11 | FR4 | Does web application output all task with Complete date. When it needs to be completed | Enter privilege email id  Enter privilege password account.  User click “log in” button  .  User select “Task status” from menu provided in web application. | Task : Design Logo  Start Date:11/11/2015  Completion Date:11/12/2015  Status: Ongoing | Application output task with completion date added to it. |
| T12 | FR4 | Does desktop application output all task with Complete date. when it needs to be completed | User launch desktop application  User enter valid Email id  User enter valid password account.  User click “log in” button  User can select task option from desktop application and check if the added member holds their full name | ID:123  Task : Design Logo  Start Date:11/11/2015  End Date:11/12/2015  Employee: Laurence Jims | Application output task with completion date added to it. |
| T13 | FR4 | When users complete task, task should be marked “Complete” and users should be able to see the marking on web application | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task status” option from the menu provided. | Task : Design Logo  Start Date:11/11/2015  Completion Date:11/12/2015  Status: Complete | Application needs to provide the task with their status. With the task that are marked “Complete” |
| T14 | FR4 | When users complete task, task should be marked “Complete” and users should be able to see the marking on desktop application | Launch Desktop application  User enter valid Email id  User enter valid password account.  User click “log in” button  User select “Task” option provided application | Task1: Design Logo  Employee: Laurence Jims  About: info about task  Last update: …  Start Date: 11/11/2015  End Date: 12/11/2015  Completed: Yes | Application needs to provide the task with their status. With the task that are marked “Complete: yes” |
| T15 | FR4 | When users no longer needs to work on task, task should be marked “Abandoned” and users should be able to see the marking on web application | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task status” option from the menu provided in application | Task : Design Logo  Start Date:11/11/2015  Completion Date:11/12/2015  Status: Abandoned | Application needs to provide the task with their status. With the task that are marked “Abandoned” |
| T16 | FR4 | When users no longer needs to work on task, task should be marked “Abandoned” and users should be able to see the marking on desktop application | User launch desktop application  User enter valid Email id  User enter valid password account.  User click “log in” button  User select “Task” option | Task1: Design Logo  Employee: Laurence Jims  About: info about task  Last update: Abandoned  Start Date: 11/11/2015  End Date: 12/11/2015  Completed: No | Application needs to provide the task with their status. With the task that are marked “Abandoned” |
| T17 | FR4 | When users are currently working on task, task should be marked “Ongoing” and users should be able to see the marking on web application | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task status” option from the menu provided in application. | Task : Design Logo  Start Date:11/11/2015  Completion Date:11/12/2015  Status: Ongoing | Application needs to provide the task with their status. With the task that are marked “Ongoing” |
| T18 | FR4 | When users are currently working on task, task should be marked “Ongoing” and users should be able to see the marking on desktop application | User launch desktop application  User enter valid Email id  User enter valid password account.  User select “Task” option | Task1: Design Logo  Employee: Laurence Jims  About: info about task  Last update: Ongoing  Start Date: 11/11/2015  End Date: 12/11/2015  Completed: NO | Application needs to provide the task with their status. With the task that are marked “Ongoing” |
| T19 | FR4 | Users used “task status” option provided in “Task status” page inside web application. It allows application to filters data and output task that are marked as “Ongoing”. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task status” option from the menu provided in application.  User select “Ongoing” from task status field provided in application Click on the search button. | Task : Design Logo  Start Date:11/11/2015  Completion Date:11/12/2015  Status: Ongoing  Task : Design web page  Start Date:11/11/2015  Completion Date:11/12/2015  Status: Ongoing | Application needs to filter out task that are marked as “Ongoing” from the rest of the other data and output it to the user. |
| T20 | FR3 | Entering proper value when adding new member in the database. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “member” option from the menu provided  User enter “programmer” in field.  User enter “Joe Gary” in Name.  User enter “451” in ID.  User enter [joe@aber.ac.uk](mailto:joe@aber.ac.uk) in email field.  Click “add” | ID:451  First Name: Joe  Last Name: Gary  Field: Programmer  Email ID: [joe@aber.ac.uk](mailto:joe@aber.ac.uk) | Application needs to validate. If appropriate data it should add the member details in the database and notify user that the user has been added in the database.  Now the user should be able to search for newly added member in “Member” section provided in menu option and select and get the details about him. |
| T21 | FR3 | Does dashboard link allows user to get to the dashboard page? | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Member” option from menu provided.  User select “Dashboard” option rom menu provided. | Navigate user to “Dashboard” page | If application navigate user to linked page which is “Dashboard” page. |
| T23 | FR3 | Recently needs to be updated with any new editing done in the data. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task status” from menu provided  User select “Design Logo”  User click “task status”  User select “Complete”. | Design logo has been marked “Complete”. | Recently holds all the latest updated data to notify members, data has been changed and updated. |
| T24 | FR3 | Does “Member” option in menu allows user to navigate to the Member page? | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Member” option from menu. | Navigate user to “Member” page | If application navigate user to linked page which is “Member” page. |
| T25 | FR3 | Does add button on the “Member” page allows user to add entered new member in the database. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Member” option from the menu provided in application.  User enter “11” on ID  User enter “Joe Gary” in Name.  User enter “Designer” on field  User enter [jog@aber.ac.uk](mailto:jog@aber.ac.uk) on Email ID  Click “add” button. | ID: 12  Last Name: Gary  First Name: Joe  Field: Designer  Email ID: [jog@aber.ac.uk](mailto:jog@aber.ac.uk) | If add button add new member with their details in the database. |
| T26 | FR3 | Does delete button on the “Member” page allows user to delete member from the database. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Member” option from the menu provided in application.  User select the “Gary Joe”  Click “delete” button. | Information message  “Gary Joe” is Deleted. | If delete button remove the selected member from the database thus the member details should no longer be stored in the database. And output the proper Information message |
| T27 | FR3 | Does “Task” option in menu allows user to get to the Task page? | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task” option from menu. | Navigate user to “Task” page | If application navigate user to linked page which is “Task” page. |
| T28 | FR3 | Does “Task Member” which is a drop down list field in “Task” page allows user to select the member and allocate them to the task | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task” option from menu  Click “Task Member” | Katy Parry  Laurence Jims  Joe Smith | If provides recommendation section with all the employees name on it and user needs to be able to select member to allocate him/her to task. |
| T | FR3 | Does “+” which is a button in “Task” page allows user to add new “Task Member” field so now user can allocate multiple members to a task | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task” option from menu  Click “+” button | Provides a new “Task Member” field. | Provides “Task Member” field so user can allocate more than one employee to a task. |
| T | FR3 | Does “Start Date” which is a calendar field in “Task” page allows user to select date and assigned it as a start date for the task. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task” option from menu  Click “Start Date” button  Select Date 11/11/2015 | Start Date: 11/11/2015 | Application needs to provide calendar for user to select date and assigned it as a start date for the application. |
| T | FR3 | Does “Complete Date” which is a calendar field in “Task” page allows user to select date and assigned it as a start date for the task. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task” option from menu  Click “Complete Date” button  Select Date 11/11/2015 | Complete Date: 11/11/2015 | Application needs to provide calendar for user to select date and assigned it as a Complete date for the application. |
| T | FR3 | Does add button on the “Task” page allows user to add new entered task in the database. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task” option from menu  User entered “Design Logo” on Task Title  User entered “Design a unique logo for the company” on Task Description  User select “Joe Gary” on Task Member  User select 1/12/2015 on start date  User select 20/12/2015 on complete date  click “add” button | Information message  New task added  “  Task: Design Logo  Start Date:1/12/201  Completion Date:20/12/2015  Member: Joe Gary  “ | Application needs to store the data in to the database so later when member synchronised database with the desktop application and web application users can find the task they added and also need to output proper information message. |
| T | FR3 | Does “Task status” allows users to set the status of the task.  i.e. “Allocated” or “Abandoned” if the task is abandoned. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “Task” option from menu  User entered “Design Logo” on Task Title  User entered “Design a unique logo for the company” on Task Description  User select “Joe Gary” on Task Member  User select 1/12/2015 on start date  User select 20/12/2015 on complete date  User select “Allocated” on the task status.  click “add” button |  |  |
| T | FR3 | Does “Task status” option in menu allows user to get to the Task status page? | Enter privilege email id  Enter privilege password account.  User select “Task status” option from menu | Navigate user to “Task status” page | If application navigate user to linked page which is “Task status” page. |
| T | FR3 | Does “Task status” shows all the task that has been added on the database | Enter privilege email id  Enter privilege password account.  User click “log in” button  User Select “Task status” option from menu | Needs to show all the task enter by the admin | Application should out all the task that has been added in the database with correct data. |
| T | FR3 | Does edit option on the “Task status” allows uses to edit task for the users. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User Select “Task status” option from menu  User clicked on “edit” link provided | User should be able to change the status, completion date | If application allows users to be able to change the data |
| T | FR3 | User left Name field blank when adding user to the database | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “member” option from the menu provided  User enter “11” on ID  User enter “Designer” on field  User enter [jog@aber.ac.uk](mailto:jog@aber.ac.uk) on Email ID  Click “add” button. | Error message:  “User not allowed to leave Name field blank” | New member registration is rejected from adding it to the database and should output proper error message that allows users to know what went wrong. |
| T | FR3 | When adding member in the database user can only enter three repeated chain character side by side none more than three.  User entered three repetitive character intentionally and ok option I warning message provided. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “member” option from the menu provided  User enter “11” on ID  User enter “paaam” for Name  User enter “Designer” on field  User enter [pah@aber.ac.uk](mailto:pah@aber.ac.uk) on Email ID  Click “add” button. | Warning message:  “Repeated character found!  Click “ok” if intended or else use ”cancel” option to discard user input”  User select ok option. So now the value user entered will be added in the database. | Application needs to provide user some warning to notify repetitive character is found in user input and needs to provide user option to select “ok” if intended or “cancel” if not intended and wants to discard it.  When user clicked ok application needs to save the data in the database. |
| T |  | When adding member in the database user can only enter three repeated chain character side by side none more than three.  User entered three repetitive character unintentionally and use cancel option in warning message provided. | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “member” option from the menu provided  User enter “11” on ID  User enter “paaam” for Name  User enter “Designer” on field  User enter [pah@aber.ac.uk](mailto:pah@aber.ac.uk) on Email ID  Click “add” button. | Warning message:  “Repeated character found!  Click “ok” if intended or else use ”cancel” option to discard user input”  User select cancel option. So now the value user entered will be discarded and the member will not be added in the database. | Application needs to provide user some warning to notify repetitive character is found in user input and needs to provide user option to select “ok” if intended or “cancel” if not intended and wants to discard it.  When user clicked cancel, application needs to discard the input user entered and reject member from adding it to the database. |
| T | FR3 | Entering inappropriate value in field when adding member in the database | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “member” option from the menu provided  User enter “11” on ID  User enter “Joe Gary” on Name  User enter ““”””$$%””” on field  User enter [jog@aber.ac.uk](mailto:jog@aber.ac.uk) on Email ID  Click “add” button. | Error message:  “User enter inappropriate value in Field “ | New member registration is rejected from adding it to the database and needs to provide proper error message for user to get knowledge of what went wrong. |
| T | FR3 | Entering inappropriate value for “ Name “when adding member in the database | Enter privilege email id  Enter privilege password account.  User select “member” option from the menu provided  User enter “11” on ID  User enter ““”””$$%””” on name  User enter “Programmer” on field  User enter [jog@aber.ac.uk](mailto:jog@aber.ac.uk) on Email ID  Click “add” button. | Error message:  “User enter inappropriate value in Name “  . | New member registration is rejected from adding it to the database and needs to provide proper error message for user to get knowledge of what went wrong. |
| T | FR3 | Entering in correct format but entering inappropriate value for “Email” when adding member in the database | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “member” option from the menu provided  User enter “11” on ID  User enter “Gary Smith” on name  User enter “Programmer” on field  User enter [$%$@”$%s.ac.uk](mailto:$%25$@) on Email ID  Click “add” button. | Error message:  “User enter inappropriate value in Email id “ | New member registration is rejected from adding it to the database and needs to provide proper error message for user to get knowledge of what went wrong. |
| T | FR3 | Entering value in invalid format for email id when adding team member in the database | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “member” option from the menu provided  User enter “11” on ID  User enter “Gary Smith” on First name  User enter “Programmer” on field  User enter joe.aber.ac.uk on Email ID  Click “add” button. | Error message:  “Email format is illegal  Should be in such format  aaa@aaa.aa.aa  “  . | New member registration is rejected from adding it to the database and output proper error message. |
| T | FR3 | Leaving field as a blank space when adding team member in the database | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “member” option from the menu provided  User enter “11” on ID  User enter “Gary Smith” on name  User left “field” blank  User enter [joe@aber.ac.uk](mailto:joe@aber.ac.uk) on Email ID  Click “add” button. | Error message:  “User left “Field” blank.  Field cannot be left blank” | New member registration is rejected from adding it to the database and needs to output proper error message. |
| T | FR3 | When editing the existing member leaving the provided input field as a blank space | Enter privilege email id  Enter privilege password account.  User click “log in” button  User select “member” option from the menu provided  User enter “11” on ID  User left “Name” blank  User left “Field” blank  User left “Email ID” blank  Click “add” button. | Error message:  “  Illegal user input.  Name cannot be left blank  Email ID cannot be left blank  Field cannot be left blank “ | Editing registered member is rejected and the data should not be changed and should output proper message to user to let the user know what went wrong. |
| T | FR3 | When editing existing member details inputting illegal character as input | User enter privilege email id  User enter privilege password  User click “log in” button  User select “member” option provided in the application  User Select the member Joe Gary  User click “edit”  User enter “11” on ID  User enter “$%$”on Name  User enter “”£$”%”on field  User enter ”$£%^£””@aber.ac.uk on Email ID  Click “add” button. | Error message:  “  User input illegal character for Name  User input illegal character for email  User input illegal character for field    “ | Editing registered member rejected, the data should not be changed and needs to out proper error message for user to let them know what went wrong. |
| T | FR3 | When editing existing member inputting illegal format for email field | User enter privilege email id  User enter privilege password  User click “log in” button  User select “member” option provided in the application  User Select the member Joe Gary  User click “edit”  User enter “11” on ID  User enter “Gary Smith” on Name  User left “field” blank  User enter joe.aber.ac.uk on Email ID  Click “add” button. | Error message:  “  User used Illegal format for email. Email should be in [aaaa@aaaa.aa.aa](mailto:aaaa@aaaa.aa.aa) format  “ | Editing registered member rejected and the data should not be changed and needs to output proper error message to let user know what went wrong. |
| T | FR3 | When editing existing member inputting the same data as the previously saved | User enter privilege email id  User enter privilege password  User click “log in” button  User select “member” option provided in the application  User Select the member Joe Gary  Previous “Joe Gary” Data  User tries to edit data for the member with details provided below  ID: “11”  Name: “Joe Smith”  Email:joe@aber.ac.uk  Field: Programmer  User click “edit”  User enter “11” on ID  User enter “Joe Smith” on Name  User left “Programmer” blank  User enter [joe@aber.ac.uk](mailto:joe@aber.ac.uk) on Email ID  Click “add” button. | Warning message:  “  User enter the same data as previously saved in database  ” | Editing member details is accepted but needs to output proper warning message to let user know what happen. |
| T | FR3 | User wants to delete existing member that are registered in the database | User enter privilege email id  User enter privilege password  User click “log in” button  User select “member” option provided in the application  User Select the member Joe Gary  User click “delete” button | Information message  “  Team member named Joe Gary is removed  “ | Delete member and notify user that deletion has taken place. |
| T | FR4 | User create task and allocate member to work on it with appropriate starting date and completion date | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task” option provided in the application  User enter “Design Logo” Task  User enter “Designing logo for the webpage” Description  User click “Task member”  User select “Joe Smith”  User click “Start Date”  User select “11/11/2015”  User click “Completion Date”  User select “11/12/2015”  User click “add” button | Information message  “New task has been created and added on the database” | Task accepted and saved in the database and notify user that new task is been added in the database. |
| T | FR4 | User Created task with appropriate starting date and completion date but with not allocating member to work on task | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task” option provided in the application  User enter “Design Logo” Task  User enter “Designing logo for the webpage” Description  User click “Start Date”  User select “11/11/2015”  User click “Completion Date”  User select “11/12/2015”  User click “add” button | Error message:  “  No member allocated for task.  Every task needs to have one or more member allocated to work on it.  “ | Creating task rejected and is not added to the database and needs to output proper error message. |
| T | FR4 | User created task without providing title and description about work but allocating member to work on it with appropriate starting date and completion date | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task” option provided in the application  User enter “Designing logo for the webpage” for task title  User click “Task member”  User select “Joe Smith”  User click “Start Date”  User select “11/11/2015”  User click “Completion Date”  User select “11/12/2015”  User click “add” button | Error message:  “User cannot leave “Task description” blank,  Every task needs to have task description  “ | Task creation rejected and is not added in database and needs to output proper error message to notify user something wrong with user input. |
| T | FR4 | User Created task and allocating member to work on it with appropriate starting date and completion date  But allocate same member multiple time. | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task” option provided in the application  User enter “Design Logo” Task  User enter “Designing logo for the webpage” Description  User click “Task member”  User select “Joe Smith”  Click “+” button  User click “Task member”  User select “Joe Smith”  User click “Start Date”  User select “11/11/2015”  User click “Completion Date”  User select “11/12/2015”  User click “add” button | Error message:  “  User cannot allocate one member to same task more than once.  ” | Task creation rejected and is not added in the database and needs to output proper error message to user. |
| T | FR4 | User created task and allocate member to work on it with inappropriate starting date and completion date | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task” option provided in the application  User enter “Design Logo” Task  User enter “Designing logo for the webpage” Description  User click “Task member”  User select “Joe Smith”  User click “Start Date”  User select “11/11/1111”  User click “Completion Date”  User select “11/12/2015”  User click “add” button | Error message  “Date user input for starting date is invalid” | Task creation rejected and is not added in the database and needs to provide proper error message to user. |
| T | FR4 | User created task and allocated member to work on it with valid starting date but invalid completion date | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task” option provided in the application  User enter “Design Logo” Task  User enter “Designing logo for the webpage” Description  User click “Task member”  User select “Joe Smith”  User click “Start Date”  User select “11/11/2015”  User click “Completion Date”  User select “11/10/2015”  User click “add” button | Error message:  “Date user input for Completion date is invalid” | Task creation rejected and is not added to the database and needs to output proper error message to user. |
| T | FR4 | User Created task and allocate member to work on it but left the starting date and completion date blank | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task” option provided in the application  User enter “Design Logo” Task  User enter “Designing logo for the webpage” Description  User click “Task member”  User select “Joe Smith”  User click “add” button | Error message:  “  User cannot leave Start date blank  User cannot leave Complete date blank  ” | Task creation rejected, so is not added to the database and needs to output proper error message to user. |
| T | FR4 | User created task with starting date and completion date and used Team member field which is a drop down list which should provide team members name as a recommendation thus user can select members to allocate to work for. | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task” option provided in the application  User enter “Design Logo” Task  User enter “Designing logo for the webpage” Description  User click “Task member” | Joe Smith  Rita Can  Mary White | Provide team member name as a recommendation for user to select and allocate for the task |
| T | FR4 | User can use “+” to allocate multiple team member for task | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task” option provided in the application  User enter “Design Logo” Task  User enter “Designing logo for the webpage” Description  User click “Task member”  User select “Joe Smith”  User click “+” button | New “Task member” field is added | User can add new team member and allocate more them to a specific task |
| T | FR5 | User can edit, change the team member/s working on it and allocate different member/s for the task | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task status” option from the menu provided in web application.  User Select task “Design Logo”  User click “Edit” button  Previously assigned member  Task: web application design GUI  Member:  Joe Gary  Jenna Simpson  User click “Task Member”  edits the data it holds click apply | Information message  “  “New member has been allocated for “Design Logo”  “ | Data is updated in database and now shows new members for it than previous one and also should output notification for user to know new changes has been made |
| T | FR5 | User Allocate same team member more than one time for same task when editing it | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task status” option from the menu provided in web application.  User Select task “Design Logo”  User click “Edit” button  Previously assigned member  Task: web application design GUI  Member:  Joe Gary  User edit “Task Member”  User type “John Harry”  User click “apply” button | Error message:  “  User cannot allocate one member twice for same task  ” | Allocating new task member to task rejected and is not added to the database and needs to output proper error message to user. |
| T | FR5 | User did not add any member for the specific task | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task status” option from the menu provided in web application.  User Select task “Design Logo”  User click “Edit” button  Previously assigned member  Task: web application design GUI  Member:  Joe Gary  User click “add” button | Error message:  “  User needs to allocate one or more members to work for task  ” | Allocating new task member to task is rejected and is not added to the database and needs to output proper error message for the user. |
| T | FR6 | User should be able to mark task “Abandoned” if task is abandon | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task status” option from the menu provided in web application.  User select task “Design GUI” and click “edit”  User type task to be “Abandoned”  User click “apply” button | Information message  “  Task – Design GUI has been marked Abandoned  “ | Task needs to be updated with marking added on it and save in database and also should notify user change. |
| T | FR7 | User can view task that are added in the database providing task title | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task status” option from the menu provided in web application.  User enter “Design Logo” on “Task” field  User click “search” button | Task: Design Logo  Start date: 11/11/2015  Completion date: 11/12/2015  Status: ongoing | Output the task that holds the same name. |
| T | FR7 | User can search and view task using team member name and the output needs to be sorted according to the completion date | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task status” option from the menu provided in web application.  User click “Task Member”  User select “Joe Gary”  User click “search” button | Task: Design webpage logo  Start date:11/11/2015  Completion date: 11/12/2015  Status  Task: Web application design GUI  Start date: 11/11/2015  Completion date: 29/12/2015 | Output the task the team member is working on and the output task should be sorted according to completion date |
| T | FR7 | User can search and view task using team member name | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task status” option from the menu provided in web application.  User click “Task Member”  User select “Joe Gary”  User click “search” button | Task: Design webpage logo  Start date:11/11/2015  Completion date: 11/12/2015  Status: Ongoing  Task: Web application design GUI  Start date: 11/11/2015  Completion date: 29/12/2015  Status: Ongoing | Output all task affiliated with provided member. |
| T | FR7 | User can search and view task by providing either task, team member and status but if user left all the field blank should output error | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task status” option from the menu provided in web application.  User click “search” button | Error message:  “  Search Filter not provided.  To search data user needs to enter value for either Task name, Team Member, Status or all.  ” | Viewing task is rejected and output proper error message instead. |
| T | FR7 | Data provided in application needs to be sorted according to date  Provided  (prioritise task which needs to be started first and completed it before starting another task) | User enter privilege email id  User enter privilege password  User click “log in” button  User select “Task status” option from the menu provided in web application.  User click “Task Status” | Task: Design webpage logo  Start date:11/11/2015  Completion date: 11/12/2015  Status: Abandoned  Task: Web application design GUI  Start date: 11/11/2015  Completion date: 29/12/2015  Status: Abandoned) | Output sorted data according to starting date and when it needs to be completed by |
| T | FR7 | Authentication needed to get access to application.  Email id is provided by the privilege user (admin) and password in chosen by them. These needs to added in the database so whenever user wants to log in to the application, they present their email id and password and then application validate it and if correct provide them access to application. | User enter “[Jod@aber.ac.uk](mailto:Jod@aber.ac.uk)” on Email ID field  User enter “L1f1ab90J” on password field  User click “log in” button | Granted access | Authorized user access to enter web application |
| T | FR7 | Authentication needed to get access to web application but needs to present email id provided by the privilege user not the other | User enter “[Joe.Maker@hotmail.co.uk](mailto:Joe.Maker@hotmail.co.uk)” on Email ID field  User enter “abcDEF” on password field  User click “log in” button | Error message:  “  User name and password user entered is incorrect  ” | Access denied to application as email id presented by user is not saved in database thus does not have any privilege to get access to application. |
| T | FR7 | Authentication needed to get access to web application but if user provided wrong password then user should not get access to application | User enter “[Jod@aber.ac.uk](mailto:Jod@aber.ac.uk)” on Email ID field  User enter “WrongPassword” on password field  User click “log in” button | Error message:  “  User name or password user entered is incorrect  ” | Access to application should be denied as user provided wrong password and should output proper error message instead. |
| T | FR7 | Authentication needed to get access to web application so if user left the provided field “user id” and “password” blank then should not provide access to user. | User left blank space for Email ID  User Left blank space for password  User click “log in” button | Error message  “  Enter user valid Email ID and password  ” | Access to application should be denied as user left the email id and password field blank and also should output proper error message instead. |
| T | FR8 | Authentication required to get access to the desktop application. So user needs to provide their email id possibly given by the privilege user admin and password chosen by the user himself. If the email id and password are correct when validate then should allow user access to the web application | User enter “[Jod@aber.ac.uk](mailto:Jod@aber.ac.uk)” on Email ID field  User enter “L1f1ab90J” on password field  User click “log in” button | Granted access | Application should grants user access to the application as user has input correct and valid input for the provided field. |
| T | FR8 | Authentication required to get access to the desktop application. So user needs to provide their email id possibly given by the privilege user admin and password chosen by the user himself. If the email id and password are correct when validate then should allow user access to the web application.  But user provides incorrect email id with correct password now the users should not be allowed access | User enter “[Joe.Maker@hotmail.co.uk](mailto:Joe.Maker@hotmail.co.uk)” on Email ID field  User enter “abcDEF” on password field  User click “log in” button | Error message:  “  User name and password user entered is incorrect  ” | Application should validate user input and should not grant access to user as the user has enter wrong email id as input. Instead should provide them the proper error message instead. |
| T | FR8 | Authentication required to get access to the desktop application. So user needs to provide their email id possibly given by the privilege user admin and password chosen by the user himself. If the email id and password are correct when validate then should allow user access to the application.  But user left both email id and password field blank. So the user should not be grant access. | User left blank space for Email ID  User Left blank space for password  User click “log in” button | Error message  “  Enter user valid Email ID and password  ” | Application should validate user input and should not grant access to user as the user has left both email id field and password field blank. Instead should provide them the proper error message instead. |
| T | FR8a | When user close the application it needs to save data on the local storage so the data can be accessed offline | User enter valid Email id  User enter valid password account.  User click “log in” button  User close the application | Information message  “  Saving the file locally  “ | Save the validation file and task related file locally so the data can be accessed locally offline and work on it and also needs to notify user that it is saving file locally. |
| T | FR8a | When user delete the local file can user login if there is no network provision | U User enter valid Email id  User enter valid password account.  User click “log in” button | Error message  “  Local files not found  No network provision  “ | User needs to have the authentication and task file save to work on it offline or has to have network provision. |
| T | FR9 | When application started it needs to go through synchronisation phase resulting outputting latest updated data instead of the previous copy. | User enter valid Email id  User enter valid password account.  User click “log in” button | Information message  “  Syncing file  Please wait  “ | Application needs to synchronise and update data if data was edited when starting the application, and notify all the new updates on the home section in application. |
| T | FR9 | When user wants to search for the task user can use search option provided in the task section inside the application. This should output related search result as a recommendation to the user. | User enter valid Email id  User enter valid password account.  User click “log in” button  User select “Task” from the provided menu  User enter “design logo” in search field. | ID: 1  Task name: Design logo  Start date: 28/10/2015  Completion date: 2/11/2015  Employee:  Jims Harrison | Application needs to output all the data related to the search option as a recommendation to the user to select from and the data needs to be synchronized and should be latest updated copy not the previous old copy. |
| T | FR9 | Every update made in the web application needs to update and needs to be stored in desktop application. And vice versa every update done in local desktop application needs to be updated in web application as well. | User enter valid Email id  User enter valid password account.  User click “log in” button  User select “Task” from the provided menu  User enter “Design Logo” in search field.  User select task “Design Logo”  User click “About” to edit  User enter Logo needs to be circle and colour needs to be green. User enter Ongoing. | Information message  “  New changes has been made  “ | If user edits data locally in the desktop application or the web application, it should be synchronise with the database and should output latest updated data available instead of the previous copy and should notify user |
| T | FR10 | Every editing user has done to the data will be updated before and after but if the data is not edit and there is a network available, data needs to be updated and synchronise every 5 minutes. So that user can have latest update data to work with this prevents user to waste time for old previous data. | User enter valid Email id  User enter valid password account.  User click “log in” button  User did noting and left application as it is for 5 minutes. | Information message  “  Application has been left idle.  Synchronising to the database  “ | Application needs to synchronise and update itself if no editing is taking place on the application. This should be repeated every 5 minutes and notify user if the latest update is found in application home section and notify user. |
| T | FR10 | Every editing user has done to the data will be updated before and after but if the data is not edit and there is a network available, data needs to be updated and synchronise every 5 minutes. So that user can have latest update data to work with this prevents user to waste time for old previous data. But in such case when the network provision is failed then should notify users. | User enter valid Email id  User enter valid password account.  User click “log in” button  User did noting and left application as it is for 5 minutes. | Error message  “  Application left idle for 5 minutes  Synchronizing to the database failed due to network connection.  Will try to synchronise after 5 minutes.  “ | Application needs to check whether users has been editing any data. If not application needs to check has it been 5 minutes if yes then tries to connect and synchronise with the database to update data to latest copy it holds. But in such case as network provision failure application needs to output user proper warning as what went wrong and try to connect to database and sync itself later every 5 minutes. |
| T | FR11 | What happens if the users edits data but there is a lack of network provision.  All the editing user has done on the data needs to be saved locally and later when network is present it needs to establish connection to the database, every edit on the data needs to be updated in the database.  And should also notify users if the application could not synchronise with the database to update data. | User enter valid Email id  User enter valid password account.  User click “log in” button  User enter “Design Logo” in search field  User select “Design Logo”  User click “About” to edit  User enter Logo needs to be circle and colour needs to be green. | Error message  “  Synchronizing failed due to no network connection  Saving locally and will try to synchronise and update the data when network connection is found  ” | Application needs to store and save all the editing user has done in data locally and synchronise and update it when the network is available and also needs to output proper warning message to user to notify there is no network provision |

1. REFERENCES

[1] N/A

1. DOCUMENT HISTORY

| *Version* | *CCF No.* | *Date* | *Changes made to document* | *Changed by* |
| --- | --- | --- | --- | --- |
| 1.0 | N/A | 20/10/2015 | Original Version | Kimit |
| 1.1 | N/A | 02/11/2015 | Updated to contain more tests | Kimit |
| 1.2 | N/A | 03/11/2015 | Put into document template & content added | Curtis |