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| Group Project 12 - System Tests Specification |
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| **2/27/2019** |
| **Version: v0.1**  **Status: Draft** |
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# 1 INTRODUCTION

## 1.1 Purpose of this Document

The purpose of this document is to provide a series of system tests that reliably tests the major functionalities of the desktop and mobile systems, once a complete system has been made for both.

## 1.2 Scope

This document species the system tests that are to be carried out once a complete system has been made for either the desktop program or the mobile program. It indicates multiple tests, their input, their expected outputs and pass criteria.

This document should be read by the person in charge of testing the complete systems and providing a test report.

## 1.3 Objectives

To provide detailed system tests that can be used on the desktop and mobile systems with given pass criteria to show what is required to pass/fail each test.

2 DESKTOP SYSTEM TESTS

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| Test Ref | Req being tested | Test Content | Input | Output | Pass Criteria |
| SE-F-001 | FRD1 | When the software starts, it should display a start screen, and give the list creator the choice of starting a new pub list, or restoring a past pub list. | The software is started. | A screen appears that has the option to start a new pub list or restore a past pub list. | A screen appears that has at least two user interface input objects. |
| SE-F-002 | FRD2 | The user chooses to start a new pub list. | The user uses the user interface input object that should allow the user to start a new pub list (found on the start screen). | An input textbox becomes available that allows the user to input the name of the town. | A user interface input textbox becomes available for the user. |
| SE-F-003 | FRD2 | If the list creator chooses to start a new pub list, then the software will ask for the name of the town, and will be ready to accept new pubs. | The user inputs the name of a town. | The input from the user should be stored as the town name for the new pub list. | The user input is stored correctly. |
| SE-F-004 | FRD3 | If the list creator chooses to restoring a past pub list, then they should be given a choice of past lists to load. | The user uses the user interface input object that should allow the user to restore a past pub list (found on the start screen). | An input user interface object becomes available that allows the user to select a past pub list. | The user can select a past pub list. |
| SE-F-005 | FRD3 | Having selected the first past pub list, it should be loaded, and the pubs that have already been created should be displayed. | The first past pub list is selected. | The first past pub list is now displayed, showing all the pubs that were in it. | The first past list of pubs is displayed correctly. |
| SE-F-006 | FRD3 | Having selected the last past pub list, it should be loaded, and the pubs that have already been created should be displayed. | The last past pub list is selected. | The last past pub list is now displayed, showing all the pubs that were in it. | The last past list of pubs is displayed correctly. |
| SE-F-007 | FRD3 | Having selected the middle past pub list, it should be loaded, and the pubs that have already been created should be displayed. | The middle past pub list is selected. | The middle past pub list is now displayed, showing all the pubs that were in it. | The middle past list of pubs is displayed correctly. |
| SE-F-008 | FRD4 | It should be possible to delete a pub from the list of pubs. | Clicks the ‘X’ next to the first pub name that is in the loaded pub list. | The previously first pub should no longer be in the list. And displayed accordingly. | The pub list should no longer display the previously first pub. |
| SE-F-009 | FRD4 | It should be possible to delete a pub from the list of pubs. | Clicks the ‘X’ next to the last pub name that is in the loaded pub list. | The previously first pub should no longer be in the list. And displayed accordingly. | The pub list should no longer display the previously last pub. |
| SE-F-010 | FRD4 | It should be possible to delete a pub from the list of pubs. | Clicks the ‘X’ next to the middle pub name that is in the loaded pub list. | The previously first pub should no longer be in the list. And displayed accordingly. | The pub list should no longer display the inputted pub. |
| SE-F-011 | FRD5 | It should be prevent the user from adding a pub to the list of pubs with the same name as a pub already in the list. | A pub’s details are inputted with a pub name that is already in the pub list. | An error should be displayed telling the user that a pub with the same name has already been added to the pub list. | Error message is displayed. |
| SE-F-012 | FRD5 | It should be possible to add a pub to the list of pubs | Input pub details of a pub not already in the pub list. | The new pub details should be added to the pub list. | The pub details are stored and displayed correctly. |
| SE-F-013 | FRD5 | It should be prevent the user from adding a pub to the list of pubs without a pub name inputted. | Input pub details except the pub name. | An error should be displayed saying that a pub name is required. | Error message is displayed. |
| SE-F-014 | FRD5 | It should allow the user to not input any description of a pub. | Input pub details except the pub description. | A pub is added with an empty description. | A pub is added with an empty description. |
| SE-F-015 | FRD5 | It should allow the user to not input any GPS location for a pub. | Input pub details except the GPS location. | A pub is added without a GPS location. | A pub is added with an empty GPS location. |
| SE-F-016 | FRD5 | It should prevent the user from adding a pub without at least one photo. | Input pub details except a photo. | An error should be displayed saying that a pub photo is required. | Error message is displayed. |
| SE-F-017 | FRD5 | It should allow the user to not input any characteristics for a pub. | Input pub details except a list of characteristics. | A pub is added without a list of characteristics. | A pub is added without a list of characteristics. |
| SE-F-018 | FRD5 | It should only display 1 error message if both a photo and a pub name aren’t inputted when adding a pub. | Input pub details except a pub name and a photo. | A single error message is displayed saying that both fields are required. | A single error message is displayed. |
| SE-F-019 | FRD5 | It should prevent files that aren’t image files from being inputted when adding a pub. | Input a non-image file into a pubs photo input field. | An error message should display saying it’s not a valid input type. | An error message is shown. |
| SE-F-020 | FRD5 | It should prevent images that are too big from being inputted in the pubs photos input field. | Input an image file into a pubs photo input field that is larger than allowed. | An error message should display saying it’s not a valid input type. | An error message is shown. |
| SE-F-021 | FRD8 | It should be possible to select the first existing pub for editing its details. | Select the first pub. | Its contents are displayed as when the user finished inputting the pub details when adding the pub. | Its contents are displayed as when the user finished inputting the pub details when adding the pub. |
| SE-F-022 | FRD8 | It should be possible to select the last existing pub for editing its details. | Select the last pub. | Its contents are displayed as when the user finished inputting the pub details when adding the pub. | Its contents are displayed as when the user finished inputting the pub details when adding the pub. |
| SE-F-023 | FRD8 | It should update the first pub in the list with new details after editing. | Input new pub details for each field as desired/expected. | The last pub in the pub list has new pub details which are the same as what the user inputted for editing. | The last pubs details have been correctly changed. |
| SE-F-024 | FRD8 | It should update the last pub in the list with new details after editing. | Input new pub details for each field except pub name. | The first pub in the pub list has new pub details which are the same as what the user inputted for editing. | The first pubs details have been correctly changed. |
| SE-F-025 | FRD6 | It should be possible to save a changed/new pub list. | Click the save changes button. | It should display a notification saying the list has been saved and the list should now be an option after clicking the restore a past pub list button found on the start screen. | The list should now be an option after clicking the restore a past pub list button found on the start screen. |
| SE-F-026 | FRD6 | It should be possible to cancel a changed/new pub list. | Click the cancel changes button. | It should display a notification saying the list has been cancelled and the list should now be the same as when the app first started running. | The list should now be the same as when the app first started running. |
| SE-F-027 | FRD7 | The list creator chooses to package all of the details of a pub list so that they can be displayed in a mobile system. | The user chooses to package all the details of a pub list. | The details of a pub list should be packaged so that they can be displayed in a mobile system. | The details of a pub list should be packaged so that they can be displayed in a mobile system. |

# 3 MOBILE SYSTEM TESTS

# 4 REFERENCES

[1] QA Document SE.QA.01 Quality Assurance Plan

[2] QA Document SE.QA.02 Documentation Standards

[3] QA Document SE.QA.06 Test Procedure Standards

[4] QA Document SE.QA.08 Operating Procedures and Configuration Management Standards

# 5 DOCUMENT CHANGE HISTORY

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| Version | CCF No. | Date | Changes made to document | Changed by |
|  |  |  |  |  |