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| **Project Name: Phone book** | | | | | | | |
| **Test Case Template** | | | | | | | |
| **Test Case ID:** | | TC\_NO: 1 | | **Test Designed by:** *Ritam and Sudeshna* | | | |
| **Test Priority**  **(Low/Medium/High):** | | High | | **Test Designed Date:***21-10-2015* | | | |
| **Module Name:** | | Valid Name | | **Test Executed by :***<Name>* | | | |
| **Test Title:** | | Validation of name and number | | **Test Execution Date:***<Date>* | | | |
| **Description:** | | To check if the details of the contact entered by user is valid | |  | | | |
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| **Pre-Conditions:** User has entered valid username and phone number | | | | | | | |
| **Dependencies:** | | | | | | | |
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| **Step** | **Test Steps** | | **Expected Result** | | **Actual Result** | **Status(Pass/Fail)** | **Notes** |
| 1 | Provide valid username | | Anil1- Invalid user | |  |  | The name must not contain number or special characters. |
| 2 | Provide valid username | | Anil- Valid  user | |  |  | The name should only contain alphabets. |
| 3 | Provide valid  Phone number | | 9856asd2a- Invalid  Number | |  |  | The number should contain only digits and 10 characters. |
| 4 | Provide valid  Phone number | | 9874563210- Valid  Number | |  |  | The number has only digits. |
| **Post Conditions:** Contact number Information has to be valid before it can enter the file. | | | | | | | |

**Phone Book module** is implemented using **Linked list** as storing data from file is easiest if linked list is used and modifications are easy to specially in a case where the total number of contacts is unknown.

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| **Project Name: Phone book** | | | | | | | |
| **Test Case Template** | | | | | | | |
| **Test Case ID:** | | TC\_NO: 2 | | **Test Designed by:** *Ritam and Sudeshna* | | | |
| **Test Priority**  **(Low/Medium/High):** | | Medium | | **Test Designed Date:***21-10-2015* | | | |
| **Module Name:** | | L\_Insert | | **Test Executed by :***<Name>* | | | |
| **Test Title:** | | Insertion of contact details into the file | | **Test Execution Date:***<Date>* | | | |
| **Description:** | | To check if the details of the contact entered by user is already present in the file | |  | | | |
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| **Pre-Conditions:** User has entered valid username and password | | | | | | | |
| **Dependencies: The file is present which contains all the names and numbers** | | | | | | | |
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| **Step** | **Test Steps** | | **Expected Result** | | **Actual Result** | **Status(Pass/Fail)** | **Notes** |
| 1 | Provide unique username | | Anil-Name entered for the first time | |  |  | The name is not present in the file so it should be entered into the linked list |
| 2 | Provide valid  username | | Anil-Same name entered again | |  |  | The name entered is duplicate so prompt for change of name or number as in TC\_NO:3 |
| **Post Conditions:** The list has to be sorted so that all the names are available in a sorted order. | | | | | | | |

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| **Project Name: Phone book** | | | | | | | |
| **Test Case Template** | | | | | | | |
| **Test Case ID:** | | TC\_NO: 3 | | **Test Designed by:** *Ritam and Sudeshna* | | | |
| **Test Priority**  **(Low/Medium/High):** | | Medium | | **Test Designed Date:***21-10-2015* | | | |
| **Module Name:** | | L\_Search | | **Test Executed by :***<Name>* | | | |
| **Test Title:** | | Existence of name in file | | **Test Execution Date:***<Date>* | | | |
| **Description:** | | To replace the details of the file for duplicate names | |  | | | |
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| **Pre-Conditions:** User has entered valid username and password | | | | | | | |
| **Dependencies: The file is present which contains all the names and numbers** | | | | | | | |
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| **Step** | **Test Steps** | | **Expected Result** | | **Actual Result** | **Status(Pass/Fail)** | **Notes** |
| 1 | Provide unique username and number | | Anil  9865452532  (Duplicate name) | |  |  | The name entered is duplicate so prompt for change of name or number |
| 2(a) | Provide different  username | | Ajay-  ( Valid name entered) | |  |  | New name will replace the old name but the number remains the same |
| (b) | Provide unique name after prompting | | Anil-  ( Same name has been entered again) | |  |  | Check if the new name that has been entered is same as the previous name or any other name in the file. |
| 3(a) | Provide different number | | 9865525329  ( Valid  Number) | |  |  | New number will replace the old number but the name remains the same |
| (b) | Provide unique number after prompting | | 9865452532  (Same number has been entered again) | |  |  | Check if the new number that has been entered is same as the previous number or any other number in the file. |
| **Post Conditions:** The list has to be sorted so the all the names are available in a sorted order. | | | | | | | |

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| **Project Name: Phone book** | | | | | | | |
| **Test Case Template** | | | | | | | |
| **Test Case ID:** | | TC\_NO: 4 | | **Test Designed by:** *Ritam and Sudeshna* | | | |
| **Test Priority**  **(Low/Medium/High):** | | Medium | | **Test Designed Date:***21-10-2015* | | | |
| **Module Name:** | | LDELETE | | **Test Executed by :***<Name>* | | | |
| **Test Title:** | | Deletion of contact from file | | **Test Execution Date:***<Date>* | | | |
| **Description:** | | To delete the details as per user's requirement | |  | | | |
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| **Pre-Conditions:** User has entered valid username and password | | | | | | | |
| **Dependencies: The file is present which contains all the names and numbers** | | | | | | | |
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| **Step** | **Test Steps** | | **Expected Result** | | **Actual Result** | **Status(Pass/Fail)** | **Notes** |
| 1 | Provide valid username | | Anil-  (Trying to delete when no names exists in phonebook) | |  |  | There should be contacts present in the phonebook for deletion. |
| 2 | Provide valid username | | Suresh-  ( No such name available) | |  |  | The name should be present. |
| 3 | Provide valid  username | | Ajay-  (Valid user name) | |  |  | The contact will be deleted. |
| **Post Conditions:** Contact number Information has to be valid before it can enter the file. | | | | | | | |

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| **Test Case Template** | | | | | | | |
| **Test Case ID:** | | TC\_NO: 5 | | **Test Designed by:** Ritam and Sudeshna | | | |
| **Test Priority**  **(Low/Medium/High):** | | Medium | | **Test Designed Date:**21-10-2015 | | | |
| **Module Name:** | | LMODIFY | | **Test Executed by :**<Name> | | | |
| **Test Title:** | | Modification of details from file | | **Test Execution Date:***<Date>* | | | |
| **Description:** | | To modify the details as per user's requirement | |  | | | |
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| **Pre-Conditions:** User has entered valid username and password | | | | | | | |
| **Dependencies: The file is present which contains all the names and numbers** | | | | | | | |
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| **Step** | **Test Steps** | | **Expected Result** | | **Actual Result** | **Status(Pass/Fail)** | **Notes** |
| 1 | Provide valid username | | Anil-  ( List is empty) | | List is empty | Pass | There should be contacts present in the phonebook for modification. |
| 2 | Provide valid username | | Ajay-  ( Valid user) | | Ajay | Pass | The details will be modified.. |
| 3 | Provide valid username | | Suresh-  ( Search not matched) | | Search not matched | Pass | The name should be present. |
| **Post Conditions: Contact number Information has to be valid before it can enter the file.** | | | | | | | |

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| **Test Case Template** | | | | | | | |
| **Test Case ID:** | | TC\_NO: 6 | | **Test Designed by:** Ritam and Sudeshna | | | |
| **Test Priority**  **(Low/Medium/High):** | | Low | | **Test Designed Date:**21-10-2015 | | | |
| **Module Name:** | | Display | | **Test Executed by :**<Name> | | | |
| **Test Title:** | | Display all the contacts. | | **Test Execution Date:***<Date>* | | | |
| **Description:** | | Display all the contacts in the phonebook | |  | | | |
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| **Pre-Conditions:** User has entered valid username and password | | | | | | | |
| **Dependencies: The file is present which contains all the names and numbers** | | | | | | | |
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| **Step** | **Test Steps** | | **Expected Result** | | **Actual Result** | **Status(Pass/Fail)** | **Notes** |
| 1 | Ask for printing the contact list | | Displaying 0 contacts | |  |  | No contacts to be displayed for empty list. |
| 2 | Ask for printing contact list | | Display all contacts | |  |  | Accurate number of contacts in alphabetical order to be displayed |
| **Post Conditions: Contact number Information has to be valid before it can enter the file.** | | | | | | | |