**Task1**

Propose a test strategy including a list of test cases (you can use this test form shown below but feel free to design your own form)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Project Name: PhoneBook Date and Time of Test: 19 May 2023 | | | | | | |
| Candidate Name: Oleksandr Bilytskyi Candidate ID: 20349619 | | | | | | |
| **Test Ref.** | **Description of Test** | **Test Item(s)** | **Input Data** | **Expected Output** | **Actual Output** | **Comments** |
| 1 | Test Password protection | Password Function | 123  111, 234,123; Null, null,123; Null, 321,123  111,234,321; y,t,u; | Access granted  Wrong password you have 2 more attempts  Wrong password you have 1 more attempt  Access granted  Wrong password you have 2 more attempts  Wrong password you have 1 more attempt  Access denied | OK  OK  OK |  |
| 2 | Menu selection test | Main Menu function | 1  2  3  4  5  6 | Display all the contacts  Search by Name  Search by Phone  Add new contact(s)  Remove contacts  Export and Exit | OK  OK  OK  OK  OK  OK |  |
| 3 | Test Search by letters | ReadMenu and SearchbyName | Ka  K  mAsK  ikAR | Kate Stevenson  Musaka Ngabe  Karen Johnson  Ikar Starr  Kate Stevenson  Robert Mask  Musaka Ngabe  Karen Johnson  Ikar Starr  Robert Mask  Ikar Starr | OK  OK  OK  OK |  |
| 4 | Test Search by Phone Number | ReadMenu and SearchbyPhone | 44  447  Null  -1  gg | 01415217744  02078634477  529564489  02078634477  All the list  The number is not found  The number is not found | OK  OK  OK  OK  OK |  |
| 5 | Test ADD Contact(s) | AddContact function | Number of contacts to add 0  Number of contacts to add -1  Number of contacts to add “iuyt”  For Name, Surname, Age, Gender, Address:  123  -234  Null  yt  Phone:  123  Yt  -234 | Return to MAIN menu  Return to MAIN menu  Return to MAIN menu  Accept and go to the next  Accept and go to the next  Demand to add digits | OK  OK  ERROR  OK  OK  Accepts to the Phone field | Should return to MAIN Menu  Should ask again and demand to enter DIGITS |
| 6 | Test Remove contact | RemoveContact funaction | If n or N  If p or P  Other | Open RemovebyName  Open RemovebyPhone  Return to Main Menu | OK  OK  OK |  |
| 7 | Test Remove by Name | RemovebyName | Ik  Ikar  iKaR  Starr  If the number is Added but not exported | No IK in the list! Deleting is CANCELLED  Ikar Star  Prompts to confirm DELETING by pressing Y  No Starr in the list! Deleting is CANCELLED  Prompts to confirm DELETING by pressing Y | OK  OK  OK  OK |  |
| 8 | Test Remove by Phone | RemovebyPhone | 01415217744  123  If the number is Added but not exported | Prompts to confirm Delete Nigel Anderson (y/n)  No 123 in the list! Deleting cancelled  Prompts to confirm DELETING by pressing Y | OK  OK  OK |  |
| 9 | Save changes and Exit | Export function and Exit(0) | Y, y  N, n  Null, 123,hty | Launches the Export function following by EXIT  Exits without saving  Prompt to make the valid choice | OK  OK  Accepts as N | Should ask to make a valid choice |

**Task 2**

Demonstration of the working application to the assessor