

# ***TEST PLAN***

## **Author**

- Vijayvargiya Sagar R. [ 15IT251 ]

## **Versions**

- Telephone Directory System 1.0

## **Modules**

- User
- Userfile
- Admin
- Directory

## **Scope and Objectives**

- The scope of this software extends to any person to get contact details or address information of other people living in the region and store the records in an efficient manner.
- It allows a user to maintain privacy, retrieve desired information quickly and enables them to save the contacts they would like to refer for future purposes.
- The motive of the software caters to maximizing the number of unique person records in the directory and minimizing the resource costs, ensuring reachability.

The Test Plan document is aimed at determining any loopholes, bugs or crashes that may generate from the system software and contains a set of test cases to analyze the functionality and performance of the product.

## **Entry/Exit Sections**

Entry criteria -

- The executable file of the software must be available.
- C++ Unit Testing module must be present.
- The gcc compiler must be present on the operating device.

Exit criteria -

- All test cases must produce output as expected from the software functionality.

## TEST CASES

ID	TC_1
Module	User
Purpose	To add a new user to the directory.
Steps	1. Enter name, contact number, address and PAN card number. 2. Login admin to verify user record. 3. Display directory to view
Expected Output	User details appear in the directory.
Test Result	Pass

ID	TC_2
Module	User
Purpose	Check if module handles invalid choice input.
Steps	1. Enter choice as characters.
Expected Output	User is asked to input the choice again.
Test Result	Pass

ID	TC_3
Module	Userfile
Purpose	To save a contact in user file corresponding to logged in user.
Steps	1. Login with user credentials. 2. Choose option of saved contacts services. 3. Choose save contact option. 4. Enter name and number of directory contact to be saved.
Expected Output	Contact is saved in the user file if it is present in the directory. User receives a message if the entered details are not present in the directory.
Test Result	Pass

ID	TC_4
Module	User
Purpose	To check if directory accepts add request with repeated contact number and also length of contact no. less than 10 while registration.

Steps	1. Proceed to registration section. 2. Enter a contact no. which already exists in the directory along with other necessary registration details.
Expected Output	Display message that contact no. is already exist in directory.
Test Result	Pass

ID	TC_5
Module	User
Purpose	To check if directory accepts add request with contact number of length less than 10 while registration.
Steps	1. Proceed to registration section. 2. Enter a contact no. which already exists in the directory along with other necessary registration details.
Expected Output	User is asked to input the contact no. of length 10.
Test Result	Pass

ID	TC_6
Module	User
Purpose	To check user credentials.
Steps	1. Proceed to login section. 2. Enter a user in Login Type. 3. Enter user_id and user_password.
Expected Output	If user credentials are correct then display login successful message otherwise display incorrect login credentials.
Test Result	Pass

ID	TC_7
Module	Admin
Purpose	To accept user registration request.
Steps	1. Login as admin in the login section. 2. Choose option of Add or skip user request. 3. Choose Add user option.

	4. Display directory to view added user details.
Expected Output	New user details appear in the directory.
Test Result	Pass

ID	TC_8
Module	Userfile
Purpose	To check if user can display saved contacts without logging in.
Steps	1. Log out the current user in the logout option. 2. Choose Saved Services option.
Expected Output	Display message reads user cannot manage saved contacts without logging in.
Test Result	Pass

ID	TC_9
Module	User
Purpose	To delete user information from the directory.
Steps	1. Login as the user with correct credentials. 2. Choose the delete record option in the menu. 3. Choose display directory option to view results.
Expected Output	User's details are removed from the directory.
Test Result	Pass

ID	TC_10
Module	User
Purpose	To check if directory accepts add request with PAN card number of length less than 10 while registration.
Steps	1. Proceed to registration section. 2. Enter a PAN number which already exists in the directory along with other necessary registration details.
Expected Output	Display message reads cannot add user due to length of PAN card number is less than 10.
Test Result	Pass

ID	TC_11
Module	Admin
Purpose	To check admin credentials.
Steps	1. Proceed to login section. 2. Enter a Admin in Login Type. 3. Enter admin_id and admin_password.
Expected Output	If admin credentials are correct then display login successful message otherwise display incorreect login credentials.
Test Result	Pass

ID	TC_12
Module	User
Purpose	To check user credentials.
Steps	1. Proceed to login section. 2. Enter a user in Login Type. 3. Enter user_id and user_password.
Expected Output	If user credentials are correct then display login successful message otherwise display incorreect login credentials.
Test Result	Pass