Alpha testing

Based on the project's development stage, it's possible that the "Find a Friend" project is currently undergoing alpha testing, which is typically performed by the developers or a select group of users. The purpose of alpha testing is to identify and fix any bugs or issues before the software is released to a wider audience.

During alpha testing, the testing team may perform various types of testing, including functional testing, performance testing, security testing, and usability testing. Once the testing is complete, the testing team will provide feedback to the development team, who will address the issues and make any necessary changes.

S.no	Test Case ID	Test Case Description	Precondition	Test Data	Expected Result	Post condition	Actual Result	status	Comments
1	TC001	Login Functionality Test	User is not registered	Name, Email, Number, password	User should be able to log in with valid credentials	Data added to the database	User was able to log in successfully	pass	-
2	TC002	Profile Creation Test	User must be registered	Name, Email, Number, Id proof, Address, photo	User should be able to create a profile with all required fields	Data added to database	User was able to create a profile successfully	pass	-
3	TC003	Search Functionality Test	Internet connection must be there	Username, Place of visit	User should be able to search for other users by name or location	Valid search retrieve data	Search results should be accurate and relevant	pass	Invalid searches will give error
4	TC004	Messaging Functionality Test	Both receiver and sender should be friends	Any messages	User should be able to send and receive messages with other users	Message sent	Messages should be delivered and displayed correctly	pass	-

5	TC005	Performance Test	Website must be working		System should be able to handle a high volume of users and activity		System became slow and unresponsive when tested with 100+ users	fail	Performance depends on many conditions

Beta testing

Beta testing is a type of software testing that occurs after alpha testing and before the software is released to the general public. During beta testing, the software is made available to a selected group of external users who are representative of the target audience. The purpose of beta testing is to gather feedback from real-world users and to identify and fix any issues or bugs that were missed during alpha testing.

S.no	Test Case ID	Test Case Description	Test steps	Expected Result	Actual Result	status	Comments
1	TC001	Login Functionality Test	1. Click on the "Login" button 2. Enter correct credentials 3. Click on "Submit"	User should be able to log in with valid credentials	User was able to log in successfully	pass	-
2	TC002	Profile Creation Test	1. Click on the profile button 2. Fill in the required fields 3. Click on "Submit"	User should be able to create a profile with all required fields	User was able to create a profile successfully	pass	-
3	TC003	Search Functionality Test	1. Click on the "search people" button 2. Search for a friends 3. Select the contact and start chatting	User should be able to search for other users by name or location	Search results should be accurate and relevant	pass	Invalid searches will give error
4	TC004	Notification Functionality Test	1. Send a message to a user who is offline 2. Wait for the user to come online 3. Verify that the user receives a notification about the message	User should be able to send and receive messages with other users	Messages should be delivered and displayed correctly	pass	-

| 5 | TC005 | Performance Test | 1. Simulate high user traffic by sending multiple messages and friend requests to the server
2. Measure the response time and server stability | The app should be able to handle a high volume of traffic without any significant degradation in performance or stability | The app was able to handle the traffic without any issues | pass | |