Enterprise Chat System

Acceptance Test Plan

Version: 1.2

Date: 2/06/2016

Team Name:
Invictus

Team Members:

1.   **Balusu, Geethanjali**
2.   **Budda, Shiva Tarun**
3.   **Byreddy, Sreenibha Reddy**
4.   **Kalaparti, Adithya**
5.   **Mamidi, Mounica**
6.   **Mara, Nikhil**
7.   **Mohammed, Zaahid Mukarram**
8.   **Neelam, Sankeerthana**
9.   **Sanagari, Vivek**
10.   **Srinivas, Sri Krishna**
11.   **Yerrapragada, Sita Rama Suryateja**

1. Preface

Product "Enterprise chat system" is developed for safe and secure communication between its users. This document shall cover the tests and results conducted to determine if the requirements and specification of the customer are met.

Release v1.1 on 22-05-2016

-Changes were made in section 3 updated the results of various component tests

Release   v1.0   on   07-05-2016
-initial release

The remainder of the document is organized as follows. In Section 2, Glossary and Abbreviations used in the document is provided. Section 3 adds acceptance test plan and the results of the tests are summarized. In Section 4, References are added.

2. Glossary and Abbreviations

- **PHP**: Hypertext Preprocessor
  PHP is general-purpose scripting language and used for web development and can be embedded into HTML.

- **HTML5:** Hyper Text Markup Language, version-5
  It is markup language used to create web pages.

- **AJAX**: Asynchronous JavaScript and XML
  It is implemented to reload only a part of web page without reloading the entire web page.

- **GUI**: Graphical User Interface
  GUI creates a User-friendly Interface to the user.

- **SQL:** Structured Query Language
  A **SQL** is used for inserting, selecting and editing information from a database.

- **API**: Application Programming Interface
  It is a set of program code or routine to build web-based applications.

3. Acceptance Test Plan:

3.1. Signup tests:

Test:	Signup-T1
Purpose:	Successfully creating an account
Requirements:	UR1
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written

	in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. Click "create an account" it will be redirected to signup page Enter your credentials and product key as specified in user manual in sign up page and click "sign up" button.
Expected Result:	Registration of the user (informed by a feedback message). Feedback message is displayed in signup page. User credentials will be stored in the database on successful registration.
Result:	Success
Comment:	

Test:	Signup-T2
Purpose:	Feedback mail on successful registration..
Requirements:	U17
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. Click "create an account" it will be redirected to signup page Enter your credentials and product key as specified in user manual in sign up page and click "sign up" button.
Expected Result:	On successful registration a feedback mail will be sent to user stating his login credentials to the registered e-mail.
Result:	Success
Comment:	This function will work only when the server system is connected to internet. This functionality work based on the mail system settings.

Test:	Signup-T3
Purpose:	Registration failure in signup page due to wrong key.
Requirements:	UR1
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided

	by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. Click create an account it will be redirected to signup page Enter your credentials and product key as specified in user manual in sign up page and click "sign up" button.
Expected Result:	Feedback message is displayed in signup page stating "The entered key is not valid. This page is only for Extreme Security User" in case of entering wrong product key.
Result:	Success
Comment:	Feedback message will be displayed.

Test:	Signup-T4
Purpose:	Registration failure in signup page due to already existing username.
Requirements:	UR1
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. Click create an account it will be redirected to signup page Enter your credentials and product key as specified in user manual in sign up page and click "sign up" button.
Expected Result:	Feedback message is displayed in signup page stating existing username. Feedback message is "user already exists with same username or email id, plz use other"
Result:	Success
Comment:	Feedback message will be displayed.

Test:	Signup-T5
Purpose:	Registration failure in signup page due already existing mail id.
Requirements:	UR1
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path

	in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. Click create an account it will be redirected to signup page Enter your credentials and product key as specified in user manual in sign up page and click "sign up" button.
Expected Result:	Feedback message is displayed in signup page "already email id exists use another mail id".
Result:	Success
Comment:	Feedback message will be displayed.

Test:	Signup-T6
Purpose:	Registration failure in signup page due already existing username and mail id.
Requirements:	UR1
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. Click create an account it will be redirected to signup page Enter your credentials and product key as specified in user manual in sign up page and click "sign up" button.
Expected Result:	Feedback message is displayed in signup page "user already exists with same username or email id, plz use other"
Result:	Success
Comment:	Feedback message will be displayed.

3.2. Login tests:

Test:	Login-T1
Purpose:	Failed authentication due to wrong mail id or password in login page
Requirements:	UR2
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. Enter the user credentials in the corresponding fields.

Expected Result:	Feedback message is displayed in signup page "wrong username or password".
Result:	Success
Comment:	Feedback message will be displayed.

Test:	Login-T2
Purpose:	Successful login
Requirements:	UR2
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. Enter the user credentials in the corresponding fields.
Expected Result:	Login page will be redirected to home page.
Result:	Success
Comment:	Home page will be displayed.

3.3. After login tests:

Test:	Afterlogin-T1
Purpose:	Enabling User to manage status.
Requirements:	UR15.
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. The user have an option to manage his status.
Expected Result:	The user can manage his status between Available and Busy, by selecting the same options in manager status
Result:	Success
Comment:	Respective change will be updated in the database.

Test:	Afterlogin-T2
Purpose:	Delete account
Requirements:	UR1
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. On selecting delete your account the account will be deleted.
Expected Result:	The user should be able to delete his account
Result:	Success
Comment:	Respective change will be updated in the database.

Test:	Afterlogin-T3
Purpose:	Configure account Case-Password Mismatch
Requirements:	UR3
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. On clicking configure account you will be redirected to another page where in you have to enter your new credentials. You have to enter your password twice in order to commit changes.
Expected Result:	In case the passwords do not match, feedback will be given to the user
Result:	Success
Comment:	Feedback message will be displayed

Test:	Afterlogin-T4
Purpose:	Configure account Case: Redirect to login page on successful account configure

Requirements:	UR3
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. On clicking configure account you will be redirected to another page where in you have to enter your new credentials. You have to enter your password twice in order to commit changes.
Expected Result:	If the passwords are matched, the corresponding changes will be updated in the database. The user will be redirected to login page where the user needs to enter his new credentials
Result:	Success
Comment:	Respective change will be updated in the database. The user will be redirected to login page on successful account configure.

Test:	Afterlogin-T5
Purpose:	Dynamic Search
Requirements:	UR8
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. When the user searches for other users in the search box, he will be provided with predictions of existing users from database.
Expected Result:	Predictions shall be provided while searching
Result:	Success
Comment:	Predictions of existing users shall be displayed.

Test:	Afterlogin-T6
Purpose:	Add User.
Requirements:	UR4,5,6,7
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL

	database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. On pressing the add button after the dynamic search, the user should be able to add the searched contact in his contacts book
Expected Result:	The searched contact should be added to contacts book of the user
Result:	Success
Comment:	Contacts book gets updated

Test:	Afterlogin-T7
Purpose:	Status
Requirements:	UR9
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page
Expected Result:	If the user logs in to his account his status must be available, he can change status manually to busy, if he is inactive for certain time then he is idle (in product it is 30seconds) and if he is not logged in he is offline. This information must be updated in database.
Result:	Success
Comment:	User can change his state between available and busy. User is offline if he hits signoff button. It the tab or window is closed his status will not be updated.

3.4. Chat Tests:

Test:	Chat-T1
Purpose:	Sending messages failed if the person is not in contacts
Requirements:	UR13
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. On selecting chat with particular user the chat page will be displayed. If the user begins a conversation with another person who is not in contacts, then the messages should not be sent.
Expected Result:	If the user begins a conversation with another person who is not in contacts, then the messages should not be sent.
Result:	Success
Comment:	A notice is displayed that message cannot sent because the user is not in your contacts.

Test:	Chat-T2
Purpose:	The user should be able to send messages to his contacts.
Requirements:	UR13
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. On selecting chat with particular user the chat page will be displayed. After selecting a contact to begin a conversation, the page will be redirected to chatbox. In this window, the user should be able to send and receive the messages from the contacts.
Expected Result:	The messages should be sent and received. They are also stored in database
Result:	Success
Comment:	The messages should be sent and received. They are also stored in database

Test:	Chat-T3
Purpose:	The user should be able to delete his chat with his contact
Requirements:	UR13
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. On selecting chat with particular user the chat page will be displayed. If the user wish to clear the conversation he had with his contact, "delete" option is available below the send button of the chat box. On pressing this option, the entire conversation along with time stamp will be deleted. Corresponding changes are also updated in database.
Expected Result:	The user should be able to clear his conversation with his contact. This conversation should also be deleted in the database.
Result:	Success
Comment:	The database is being updated.

Test:	Chat-T4
Purpose:	Displaying timestamp information of the message.
Requirements:	UR6
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. On selecting chat with particular user the chat page will be displayed. When the user sends a message to his contact, along with the message timestamp information is also sent and displayed. This information is also stored in the database.
Expected Result:	The users should be able to see when the message has been sent.

Result:	Success
Comment:	The users should be able to see when the message has been sent.

Test:	Chat-T5
Purpose:	Signoff button will be available in the chat page.
Requirements:	UR1
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. On selecting chat with particular user the chat page will be displayed. If the user wishes to sign out, the signout option will be available at the top right corner of the page.
Expected Result:	On selecting signout option the page will be redirected to login page and his status will be changed to offline in the database.
Result:	Success
Comment:	Respective change will be updated in the database.

Test:	Chat-T6
Purpose:	Offline Users should receive a mail regarding message to reduce the delay
Requirements:	UR16
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. On selecting chat with particular user the chat page will be displayed. If the user intends to send a message to offline user, he should be intimated with a mail to reduce the delay.
Expected Result:	Offline Users should receive a mail regarding message to reduce the delay
Result:	Success
Comment:	Offline Users should receive a mail regarding message to reduce the delay

Test:	Chat-T7
Purpose:	Text file of upto 4KB (4095 characters)
Requirements:	UR13
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After entering the correct credentials you will be redirected to home page. On selecting chat with particular user the chat page will be displayed. After selecting a contact to begin a conversation, the page will be redirected to chatbox. In this window, the user should be able to send and receive the messages from the contacts. Text upto 4Kb should be sent and received.
Expected Result:	The messages should be sent and received of 4kb. They are also stored in database.
Result:	Success
Comment:	4kb text should exchanged.

3.5 Contacts Tests:

Test:	Contacts-T1
Purpose:	Show contact list (phone book).
Requirements:	UR8
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page.

Expected Result:	Phone book containing the details like username, last seen, un read messages etc will be displayed.
Result:	Success
Comment:	Phone book will be displayed.

Test:	Contacts-T2
Purpose:	Dynamic status update in phone book..
Requirements:	UR4
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page.
Expected Result:	Status of the user in the contacts in phone book will be dynamically updated from the database.
Result:	Success
Comment:	Status of the users in the phone is dynamically displayed.

Test:	Contacts-T3
Purpose:	Number of unread messages.
Requirements:	UR5
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page.
Expected Result:	Number of unread messages from the contacts in the phone book will be displayed.
Result:	Success
Comment:	Number of unread messages will be displayed and updated to database.

Test:	Contacts-T4
Purpose:	Last seen information.
Requirements:	UR6
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page.
Expected Result:	When user clicks chat button ,the seen information of the users in the contact book will be updated.
Result:	Success
Comment:	Last seen information will be displayed in the contact book.

Test:	Contacts-T5
Purpose:	Block a contact by a user.
Requirements:	UR7
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page. Click on "block" button
Expected Result:	The contact will be blocked and the contact will not receive any message or file from the user.
Result:	Success
Comment:	Contact will be blocked.

Test:	Contacts-T6
Purpose:	File upload
Requirements:	UR14
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided

	by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page. Click on "files" on the phone book. The page will be redirected and the user have to browse the files from his local system and click upload.
Expected Result:	Files will be uploaded and sent to the corresponding contact.
Result:	Success
Comment:	Files will be uploaded and sent to the corresponding contact which is of any extension.

Test:	Contacts-T7
Purpose:	Number of files received
Requirements:	UR14
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page.
Expected Result:	Files will be uploaded and sent to the corresponding contact. The number of files exchanged between the user and his contact will be displayed.
Result:	Success
Comment:	Files will be uploaded and sent to the corresponding contact

Test:	Contacts-T8
Purpose:	File download (in .bin format)

Requirements:	UR14
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page. Select 'files' in corresponding contacts. Select the file you want to download form the list.
Expected Result:	Corresponding file will be downloaded in .bin format.
Result:	Success
Comment:	Required Binary file is downloaded.

3.6 Admin Tests:

Test:	Admin-T1
Purpose:	Create Admin account. Case: entered wrong key.
Requirements:	UR1
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. Click on "new admin" in admin page. Enter the credentials along with the product key in the respective fields and click submit.
Expected Result:	A feedback message "authentication error" will be displayed in case of entering wrong key.
Result:	Success
Comment:	Feedback message for entering wrong key.

Test:	Admin-T2
Purpose:	Create Admin account. Case: successfully created.
Requirements:	SR1,SR3,SR2,UR2,UR1
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written

	in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. Click on "new admin" in admin page. Enter the credentials along with the product key in the respective fields and click submit.
Expected Result:	A feedback message "you have successfully registered" will be displayed in case of entering correct key.
Result:	Success
Comment:	Feedback message will be displayed in case of entering correct key stating "you have successfully registered"

Test:	Admin-T3
Purpose:	Broadcast mail
Requirements:	UR10
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page. Sign in as admin from admin login page. Select the "broadcast mail". Type the subject and message in the respective fields.
Expected Result:	Mails will be sent to users.
Result:	Success
Comment:	Mail functioning may change depending on mail server system.

Test:	Admin-T4
Purpose:	To display chat history
Requirements:	UR11

Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page. Sign in as admin from admin login page. Select the "chat history". Select any two different users to view chat details.
Expected Result:	Sender, receiver, message & timestamp will be displayed of the selected users.
Result:	Success
Comment:	In case you have selected same user a pop up states "select different users"

Test:	Admin-T5
Purpose:	To display database records.
Requirements:	UR11
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page. "Sign in as admin" from admin login page. Select the view records. Select any table from the list.
Expected Result:	Corresponding database tables will be displayed (namely, credentials, infobase and contacts).
Result:	Success
Comment:	Database records are displayed.

Test:	Admin-T6
Purpose:	Admin Block/Unblock an user.
Requirements:	UR1

Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page. Sign in as admin from admin login page. Select the view records. Select table 1 (credentials) from the list. Select "Block" or "Unblock" option to block/unblock an user.
Expected Result:	Admin can block and unblock a user from this page. If he is blocked the user cannot receive message and files and even cant login after current session.
Result:	Success
Comment:	User cant be blocked during the current session.

Test:	Admin-T7
Purpose:	Admin Delete an user.
Requirements:	UR1
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page. Sign in as admin from admin login page. Select the view records. Select table 1 (credentials) from the list. Select "delete" option to delete an user.
Expected Result:	The user is removed from all database tables (namely, credentials, infobase & contacts)
Result:	Success
Comment:	The user has to signup after his account is deleted.

Test:	Admin-T8

Purpose:	To display database statistics –individual statistics.
Requirements:	UR12
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page. Sign in as admin from admin login page. Select the view record statistics. Select individual statistics.
Expected Result:	Individual user statistics are displayed (namely, messages sent and received, binary files sent and received and total volume traffic)
Result:	Success
Comment:	Individual user statistics is tabulated as output.

Test:	Admin-T9
Purpose:	To display integrated statistics
Requirements:	UR12
Environment:	XAMPP software is installed and necessary code(PHP/SQL) is written in text editor and saved. Make sure whether apache server and MYSQL database is running which can be done simply by control panel provided by software. Required databases are connected using these scripts and tables are created and configured using URL http://ip_server/file_path in browser.
Operation:	Type IP of the server system in the browser. A login page will be displayed. After login with correct credentials you will be redirected to home page. Sign in as admin from admin login page. Select the view record statistics. Select integrated statistics.
Expected Result:	Integrated statistics are displayed (namely, messages sent and received, binary files sent and received and total volume traffic)
Result:	Success
Comment:	Integrated statistics is tabulated as output.

4. References

[1]. Ian Sommerville. Software Engineering. 9th ed.
[2]. Xtreme Security Project Request, available at link
https://drive.google.com/file/d/0B-IPzXOrtPFSeWZVY1pzSnRIV0E/view