***Enterprise Chat System***

**Acceptance test plan v1.2** Date: 06-06-2017

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**Wireshark**

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**1.Preface:**

Aim of this project is to develop an Enterprise Chat System such that the employees of Xtreme Security can communicate safely. This document is organised such that it shows the tests and results conducted for each of the user requirement.

**Release versionv1.2 on 06-06-2017**

* Tests are updated when compared to previous version and few tests are added to make the test plan more detail.
* Results are shown as fail/success for every test

**Release versionv1.1 on 28-05-2017**

* Updated tests
* Results are shown as fail/success for every test
* Changes made in operations such that customer will know what kind of operation can be done in the tests accordingly.

**Release version v1.0 on 14-05-2017**

* Initial release

Remainder of the document is organised as follows:

* **Section 2:** Glossary and abbreviations used in the document
* **Section 3:** Acceptance test plan i.e., test for each of the user requirements from the approved SRS

**2.Glossary and abbreviations**

**GUI:** Graphical User Interface.

**API:** Application programming interface

**SQL**: Standard Queuing Language.

**IP ADDRESS**: Internal Protocol Address.

**PHP:** Hypertext Pre-processor

**HTML:** Hyper Text Mark-up Language

**JSON:** JavaScript Object Notation

**REST:** Representational State Transfer

**API:** Application program interface

**MYSQL:** An open source relational database management system

**3.Acceptance Test Plan:**

**Test: F-T1**

**Purpose**: It is used to describe the GUI for the users.

**Requirements: UR1,SR1,SR2**

**Environment**: XAMPP is the integrated frame work for PHP. It will have APACHE server and MYSQL database. In the project HTML, CSS &JAVASCRIPT is used for the display of the GUI. In the project, PHP version 5 is used and it is embedded with the HTML code. MYSQL database is used to store the users details and a friendly GUI has been included in the XAMPP frame work to access the database through the following link: https://localhost/phpmyadmin and PHP scripts will be stored in XAMPP/ht docs from the web browser. We can access the through the following link <https://localhost/wireshark>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php> . The user can login or signup according to his choice to enter the chat system.

**Expected result**: Web pages can be accessed by the user.

**Result:** Success

**Comment**:

**Test: F-T2**

**Purpose**: To provide user registration option through the webpage

**Requirements: UR2,SR1,SR2**

**Environment**: XAMPP is the integrated frame work for PHP. It will have APACHE server and MYSQL database. In the project HTML, CSS &JAVASCRIPT is used for the display of the GUI. In the project, PHP version 5 is used and it is embedded with the HTML code. MYSQL database is used to store the users details and a friendly GUI has been included in the XAMPP frame work to access the database through the following link: https://localhost/phpmyadmin and PHP scripts will be stored in XAMPP/ht docs from the web browser. We can access the through the following link <https://localhost/wireshark>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php> Users can register by filling the following data and the credentials are saved into the database

**Expected result**: User must be able to provide respective credentials to register himself through the webpage.

**Result:** Success

**Comment**:

**Test: F-T3**

**Purpose**: Registration form validations.

**Requirements: UR7 ,SR1,SR2**

**Environment**: XAMPP is the integrated frame work for PHP. It will have APACHE server and MYSQL database. In the project HTML, CSS &JAVASCRIPT is used for the display of the GUI. In the project, PHP version 5 is used and it is embedded with the HTML code. MYSQL database is used to store the users details and a friendly GUI has been included in the XAMPP frame work to access the database through the following link: https://localhost/phpmyadmin and PHP scripts will be stored in XAMPP/ht docs from the web browser. We can access the through the following link <https://localhost/wireshark>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php> Users need to register by filling the following data according to the validations and the credentials are saved into the database

**Expected result**: User need to enter the data as per the validations in the registration form else the data need to be re-entered according to the validation so that user can register themselves into the chat system

**Result:** Success

**Comment:**

**Test: F-T4**

**Purpose**: Activation link is sent as email provided by the user while registration.

**Requirements:** UR23,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the path of registration page in the browser i.e., https://localhost/index.php

**Expected result:** User account is validated through email.

**Result**: Success

**Comments**:

**Test: F-T5**

**Purpose**: User needs to activate the account then only user can login into the chat system.

**Requirements:** UR23,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the path of registration page in the browser i.e., <https://localhost/index.php>

**Expected result:** User need to click the activation link sent to email then only the user account gets activated and user can login into the chat system successfully

**Result**: Success

**Comments**:

**Test: F-T6**

**Purpose**: To provide user login option through the webpage

**Requirements: UR3, SR1, SR2**

**Environment**: XAMPP is the integrated frame work for PHP. It will have APACHE server and MYSQL database. In the project HTML, CSS &JAVASCRIPT is used for the display of the GUI. In the project, PHP version 5 is used and it is embedded with the HTML code. MYSQL database is used to store the users details and a friendly GUI has been included in the XAMPP frame work to access the database through the following link: https://localhost/phpmyadmin and PHP scripts will be stored in XAMPP/ht docs from the web browser. We can access the through the following link <https://localhost/wireshark>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php> User after registering can directly log into the chat system by providing the details.

**Expected result**: User must be able to provide respective credentials to login himself through the webpage.

**Result:** Success

**Comment**:

**Test: F-T7**

**Purpose**: Login Validations

**Requirements: UR7 ,SR1, SR2**

**Environment**: XAMPP is the integrated frame work for PHP. It will have APACHE server and MYSQL database. In the project HTML, CSS &JAVASCRIPT is used for the display of the GUI. In the project, PHP version 5 is used and it is embedded with the HTML code. MYSQL database is used to store the users details and a friendly GUI has been included in the XAMPP frame work to access the database through the following link: https://localhost/phpmyadmin and PHP scripts will be stored in XAMPP/ht docs from the web browser. We can access the through the following link <https://localhost/wireshark>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php> User after registering can directly log into the chat system by providing the correct details while login.

**Expected result**: User must be able to provide respective correct credentials as per the registration to login himself through the webpage.

**Result:** Success

**Comment**:

**Test: F-T8**

**Purpose**: Blocked users cannot login

**Requirements: UR19 ,SR1,SR2**

**Environment**: XAMPP is the integrated frame work for PHP. It will have APACHE server and MYSQL database. In the project HTML, CSS &JAVASCRIPT is used for the display of the GUI. In the project, PHP version 5 is used and it is embedded with the HTML code. MYSQL database is used to store the users details and a friendly GUI has been included in the XAMPP frame work to access the database through the following link: https://localhost/phpmyadmin and PHP scripts will be stored in XAMPP/ht docs from the web browser. We can access the through the following link <https://localhost/wireshark>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php> User after registering can directly log into the chat system by providing the details.

**Expected result**: Users who are blocked by the admin cannot login into the chat system

**Result:** Success

**Comment**:

**Test: F-T9**

**Purpose**: Selecting a user from a contact list to start a chat

**Requirements:** UR4,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php User after signing up can select any other user and start a conversation.

**Expected result:** A user must be selected to start a chat to send and receive messages.

**Result:** Success

**Comments:**

**Test: F-T10**

**Purpose**: Sending messages

**Requirements:** UR5 ,SR1, SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php User can send and receive messages

**Expected result:** User must be able send messages to other selected user in the contact list

**Result:** Success

**Comments:**

**Test: F-T11**

**Purpose**: Receiving messages

**Requirements:** UR6, SR1, SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php User can send and receive messages

**Expected result:** User must be able to receive messages from other user.

**Result:** Success

**Comments:**

**Test: F-T12**

**Purpose**: Message read status

**Requirements:** UR15,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php User is able to view status of the messages sent to other user.

**Expected result:** User must be able to view read status of messages sent to other users.

**Result:** Success

**Comments:** User can view read status of messages sent to other users.

**Test: F-T13**

**Purpose**: Message unread status

**Requirements:** UR15 ,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php User is able to view status of the messages sent to other user.

**Expected result:** User must be able to view unread status of messages sent to other users.

**Result:** Success

**Comments:** User can view unread status of messages sent to other users.

**Test: F-T14**

**Purpose**: Message history.

**Requirements:** UR16,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php> .User is able to view history of the messages sent to other user.

**Expected result:** User must be able to view history of messages sent to other users.

**Result:** Success

**Comments:**

**Test: F-T15**

**Purpose**: Timestamp of the sent/received messages

**Requirements:** UR17, SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php User when sends a message and receives a message the timestamp is shown to the user.

**Expected result:** User must be able to view the timestamp of the sent and received messages

**Result:** Success

**Comment:** User canview the timestamp of the sent and received messages.

**Test: F-T16**

**Purpose**: Upload file

**Requirements:** UR9,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php>

**Expected result:** File must be selected to upload such that it can be sent to other user.

**Result:** Success

**Comments:**

**Test: F-T17**

**Purpose**: Send files

**Requirements:** UR9,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php

**Expected result:** Uploaded files must be sent from one user to other

**Result:** Success

**Comments:**

**Test: F-T18**

**Purpose**: View sent files

**Requirements:** UR20,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php>

**Expected result:** Sent files can be viewed in the sent files dashboard. This also gives the identification that to which user the file is sent.

**Result:** Success

**Comments:**

**Test: F-T19**

**Purpose**: Receive files

**Requirements:** UR9 ,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php>

**Expected result:** Files received are shown in the received files dashboard.

**Result:** Success

**Comments:**

**Test: F-T20**

**Purpose**: View received files

**Requirements:** UR20 ,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php>

**Expected result:** Received files can be viewed in the received files dashboard. This also gives the identification from which user the files is received.

**Result:** Success

**Comments:**

**Test: F-T21**

**Purpose**: File history

**Requirements:** UR20,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php>

**Expected result:** Received files and sent files can be viewed in the received files and sent files dashboard. This also gives the identification from which user the files is received or to which user the file is sent.

**Result:** Success

**Comments:**

**Test: F-T22**

**Purpose**: Manage status (i.e., busy; available)

**Requirements:** UR22 ,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php User can set his chat status like available and busy. When the user will logout then the status of the user will be shown as offline.

**Expected result:** User must be able to manage his chat status like offline, available, busy.

**Result:** Success

**Comments:** The user can change his chat status like offline, available, busy.

**Test: F-T23**

**Purpose**: Email offline Users

**Requirements:** UR8,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php When a user sends a message and other user is offline then the messages are sent through email such that there is no delay in sending the information to other user.

**Expected result:** Message must be sent as email if the user is offline or busy and also link is sent to the user to view the message in the chat system.

**Result:** Success

**Comments:** Messages are sent as email if the user is offline

**Test: F-T24**

**Purpose**: To provide Admin registration option through the webpage

**Requirements: UR25 ,SR1,SR2**

**Environment**: XAMPP is the integrated frame work for PHP. It will have APACHE server and MYSQL database. In the project HTML, CSS &JAVASCRIPT is used for the display of the GUI. In the project, PHP version 5 is used and it is embedded with the HTML code. MYSQL database is used to store the users details and a friendly GUI has been included in the XAMPP frame work to access the database through the following link: https://localhost/phpmyadmin and PHP scripts will be stored in XAMPP/ht docs from the web browser. We can access the through the following link <https://localhost/wireshark>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php> .Admincan register by filling the following data and the credentials are saved into the database

**Expected result**: Admin must be able to provide respective credentials to register himself through the webpage.

**Result:** Success

**Comment**:

**Test: F-T25**

**Purpose**: Admin Registration form validations.

**Requirements: UR7 ,SR1,SR2**

**Environment**: XAMPP is the integrated frame work for PHP. It will have APACHE server and MYSQL database. In the project HTML, CSS &JAVASCRIPT is used for the display of the GUI. In the project, PHP version 5 is used and it is embedded with the HTML code. MYSQL database is used to store the users details and a friendly GUI has been included in the XAMPP frame work to access the database through the following link: https://localhost/phpmyadmin and PHP scripts will be stored in XAMPP/ht docs from the web browser. We can access the through the following link <https://localhost/wireshark>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php> .Admin need to register by filling the following data according to the validations and the credentials are saved into the database

**Expected result**: Admin need to enter the data as per the validations in the registration form else the data need to be re-entered according to the validation so that admin can register and have access themselves into the chat system

**Result:** Success

**Comment:**

**Test: F-T26**

**Purpose**: To provide admin login option through the webpage

**Requirements: UR13,SR1,SR2**

**Environment**: XAMPP is the integrated frame work for PHP. It will have APACHE server and MYSQL database. In the project HTML, CSS &JAVASCRIPT is used for the display of the GUI. In the project, PHP version 5 is used and it is embedded with the HTML code. MYSQL database is used to store the users details and a friendly GUI has been included in the XAMPP frame work to access the database through the following link: https://localhost/phpmyadmin and PHP scripts will be stored in XAMPP/ht docs from the web browser. We can access the through the following link <https://localhost/wireshark>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php> Admin after registering can directly log into the chat system by providing the details.

**Expected result**: Admin must be able to provide respective credentials to login himself through the webpage.

**Result:** Success

**Comment**:

**Test: F-T27**

**Purpose**: Admin -Login Validations

**Requirements: UR13,UR7 ,SR1,SR2**

**Environment**: XAMPP is the integrated frame work for PHP. It will have APACHE server and MYSQL database. In the project HTML, CSS &JAVASCRIPT is used for the display of the GUI. In the project, PHP version 5 is used and it is embedded with the HTML code. MYSQL database is used to store the users details and a friendly GUI has been included in the XAMPP frame work to access the database through the following link: https://localhost/phpmyadmin and PHP scripts will be stored in XAMPP/ht docs from the web browser. We can access the through the following link <https://localhost/wireshark>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., <http://localhost/filepath.php> Admin after registering can directly log into the chat system by providing the correct details while login.

**Expected result**: Admin must be able to provide respective correct credentials as per the registration to login himself through the webpage.

**Result:** Success

**Comment**:

**Test: F-T28**

**Purpose**: View all users registered/available users from database

**Requirements:** UR10,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php Admin can view all the users from the database and perform the operations given to admin.

**Expected result:** Admin must be able to view all users from database.

**Result:** Success

**Comments:** Admin can view all users successfully

**Test: F-T29**

**Purpose**: To Delete users

**Requirements:** UR11,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php

**Expected result:** Admin must be able to delete users

**Result:** Success

**Comments:** Admin can delete user/user details successfully

**Test: F-T30**

**Purpose**: To block/deactivate users successfully

**Requirements:** UR12 ,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php

**Expected result:** Admin must be able to block/deactivate users.

**Result:** Success

**Comments:** Admin can block/deactivate users successfully.

**Test: F-T31**

**Purpose**: To unblock/activate users successfully by Admin

**Requirements:** UR14,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php

**Expected result:** Admin must be able to unblock/activate users.

**Result:** Success

**Comments:** Admin can unblock/activate users successfully.

**Test: F-T32**

**Purpose**: Able to view the records of the system or data base and user statistics

**Requirements:** UR24,SR2, SR1

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the file path of localhost in the browser i.e., http://localhost/filepath.php

**Expected result:** Admin must be able to see the database of the system and the statistics between the users. Admin must also be able to view user statistics in a tabular/graphical view.

**Result:** Success

**Comments:** Functionality in progress

**Test: F-T33**

**Purpose**: Encryption of web server

**Requirements:** UR18,SR1,SR2

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by typing the path of localhost in the browser i.e., https://localhost/

**Expected result:** The server must be setup with necessary certificates.

**Result:** Success

**Comments:** The server is set up with necessary certificates

**Test: F-T34**

**Purpose**: RESTFUL API

**Requirements:** UR21,SR1,SR2,SR3

**Environment:** XAMPP software must be installed from https://www.apachefriends.org and necessary code in PHP must be written in an editor and saved. Make sure whether apache server and MYSQL the database is running before accessing server which can be done by control the panel provided by software. Required databases and tables are created and connected using scripts and are configured using URL <http:///localhost/phpmyadmin>

**Operation:** It can be operated by server run command ‘curl – I http://localhost/example.php’

**Expected result:** GET is to retrieve the users data , PUT is to update the username , POST is to insert data to chat table and DELETE is to delete the messages in the chat.

**Result :** Success

**Comments:**