Test Case Specification for Team 5

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1) Introduction This document provides the test cases to be carried out for the Project: Chat Protocol application. Each item to be tested is represented by an individual test case. Each case details the input and expected outputs.

Test ID	1.1
Title	Correct Login
Feature	Login to the chat server with the application
Objective	Confirm that proper username and password input leads to access to the chat server
Setup	Windows device has the Project: Chat Protocol code and a proper python interpreter
Test Data	Login information Username = LoginTest Password = Pr0ject
Test Actions	1. Start the Chat Application 2. Enter the valid Login information in the login page 3. P
Expected Results	System displays the main page with Chat, View Users and Logout options.

Test ID	1.2
Title	Incorrect Password
Feature	Login to the chat server with the application

Test ID	1.2
Objective	Confirm that valid username but invalid password denies access to the website and promp
Setup	Windows device has the Project: Chat Protocol code and a proper python interpreter
Test Data	Correct username, incorrect password Username = LoginTest Password = Pro!ect
Test Action	1. Start the Chat Application 2. Enter the invalid Login information in the login page 3.
Expected Results	System displays error alert and prompts the user to either retry or close the app, then dis

Test ID	1.3
Title	Incorrect User Data
Feature	Login to the chat server with the application
Objective	Confirm that invalid username and password denies access to the website and prompts a
Setup	Windows device has the Project: Chat Protocol code and a proper python interpreter
Test Data	Incorrect username, incorrect password Username = L0ginTest Password = Pro!ect
Test Action	1. Start the Chat Application 2. Enter the invalid Login information in the login page 3.
Expected Results	System displays error alert and prompts the user to either retry or close the app, then dis

2) Test Cases: Windows Application Test ID | 1.4 —|— Title | Select Option “Chat” Feature | Select a user and start a chat with them Objective | Confirm that the app is able to recognize the target username and send a text message Setup | Two Windows devices connected to the same network, the app code and an interpreter Test Data | Test Action | 1. Start the Chat Application on both devices 2. Have both devices logged into different accounts 3. Have one of the users type the other’s username in the provided form and press “chat”, then type a test message and send it 3. have the other user check for messages to retrieve the test message Expected Results | User 1’s message arrives to User 2, who’s notified of this, can see the message and is prompted to reply if he so chooses.

Test ID | 1.5 —|— Title | Select Option “Check Users” Feature | Obtain a view containing all online Users Objective | Confirm that the app is able to recognize all online users, create a list of them and send it to a user that asked for it. Setup | Five devices connected to the same network, the app code and an interpreter Test Data | Test Action | 1. Start the application on all devices and have each of them log into a different account2. Have User1 click the “Check Users” option next to the “Chat” option3. Check the list the server sends to User1 to see if it contains all of the other users used in the test. Expected Results | User1 can view a list of all other users (from User2 to User5)