Test case specification

For team 3

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1) Introduction

This document provides the test cases to be carried out for the [Potatolk Client Application](#) based on [PotatoChatProtocol(PCP) specification](#). Each item to be tested is represented by an individual test case. Each case details the input and expected outputs.

2) Test Cases: Java Application (.jar)

Test ID	2.1
Title	Correct sign in
Feature	Sign in to the general topic chat room with Potatolk application
Objective	Sign in with valid username and then chat with other users of the room
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username: mrossi
	Topic(chat room topic):
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information (in this case we let the field topic empty in order to join the general room, the default one)
	3. Press "Sign In" button
Expected Results	Application displays Potatolk interface which provides to the user the list of all the online users in the chat room and allows him to send a text message to the chat room

Test ID	2.2
Title	Correct sign in to a specific chat room
Feature	Sign in to a specific topic chat room with Potatolk application
Objective	Sign in with valid username and then chat with other users of the room
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username: mrossi
	Topic(chat room topic): food
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information
	3. Press "Sign In" button
Expected Results	Application displays Potatolk interface which provides to the user the list of all the online users in the chat room and allows him to send a text message to the chat room

Test ID	2.3
Title	Username already taken
Feature	Sign in to a chat room with Potatolk application
Objective	Sign in with username already taken so the application denies the access
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username(we suppose that mrossi is already signed in): mrossi
	Topic(chat room topic): food
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information
	3. Press "Sign In" button
Expected Results	Application displays an error message and then gives to the user the possibility to sign in with different username

Test ID	2.4
Title	Short username error
Feature	Sign in to a chat room with Potatolk application
Objective	Confirm that username field is shorter than 6 characters which isn't allowed by the PCP specification
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username(we suppose that mrossi is already signed in): user
	Topic(chat room topic): food
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information
	3. Press "Sign In" button
Expected Results	Application displays a message dialog error and then gives to the user the possibility to click the button "ok" and sign in with admitted username

Test ID	2.5
Title	Long username error
Feature	Sign in to a chat room with Potatolk application
Objective	Confirm that username field is longer than 32 characters which isn't allowed by the PCP specification
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username(we suppose that mrossi is already signed in): thisUsernameIsTooLongAccordingToThePcpSpecs
	Topic(chat room topic): food
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information
	3. Press "Sign In" button

Test ID	2.5
Expected Results	Application displays a message dialog error and then gives to the user the possibility to click the button "ok" and sign in with admitted username

Test ID	2.6
Title	Short topic error
Feature	Sign in to a chat room with Potatolk application
Objective	Confirm that topic field is shorter than 3 characters which isn't allowed by the PCP specification
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username(we suppose that mrossi is already signed in): mrossi
	Topic(chat room topic): ab
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information
	3. Press "Sign In" button
Expected Results	Application displays a message dialog error and then gives to the user the possibility to click the button "ok" and sign in with admitted topic

Test ID	2.7
Title	Long topic error
Feature	Sign in to a chat room with Potatolk application
Objective	Confirm that topic field is longer than 64 characters which isn't allowed by the PCP specification
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username(we suppose that mrossi is already signed in): mrossi
	Topic(chat room topic): thisTopicIsTooLongAccordingToThePotatoChatProtocolSpecification__
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information
	3. Press "Sign In" button
Expected Results	Application displays a message dialog error and then gives to the user the possibility to click the button "ok" and sign in with admitted topic

Test ID	2.8
Title	Show usernames
Feature	Show chat room usernames of online users
Objective	Open the chat room list of online users
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username: mrossi
	Topic(chat room topic): food
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information
	3. Press "Sign In" button
	4. Click on the side tab at the bottom left
Expected Results	Application displays pop-up menu of the usernames list on the left side and the user can close it by clicking the side tab at the top left

Test ID	2.9
Title	Open profile view
Feature	Open profile menu of the logged user
Objective	Show profile information of the logged user
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username: mrossi
	Topic(chat room topic): food
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information
	3. Press "Sign In" button
	4. Click on the profile icon at the bottom left
Expected Results	Application displays all the profile information of the user

Test ID	2.10
Title	Change username
Feature	Allows user to change his username
Objective	Set new username for the user
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username: mrossi
	Topic(chat room topic): food
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information
	3. Press "Sign In" button
	4. Click on the profile icon at the bottom left
	5. Click on the button "Change username"
	6. Enter new username in the text field
	7. Click the button "Confirm"
Expected Results	Application displays Potatolk interface and user will see his username changed

Test ID	2.11
Title	Send a message
Feature	Allows user send a message in the chat room
Objective	Send a message to all the users of the chosen chat room
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username: mrossi
	Topic(chat room topic): food
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information
	3. Press "Sign In" button
	4. Type a message on the text field
	5. If you want to clear the text field because you write a wrong message click the red button with the icon of a cross or else go to the next step
	6. Click the green button with the icon of a paper airplane to send the message
Expected Results	Application displays Potatolk interface and user will send his message to the chat room, so after that he can see the text of it on the Potatolk interface preceded by "you:"

Test ID	2.12
Title	Correct logout
Feature	Allows the user to logout from the chat room
Objective	User can correctly logout from the chat room and the application
Setup	Windows PC has Potatolk application ready to run
Test Data	Sign in example information
	Username: mrossi
	Topic(chat room topic): food
Test Actions	1. Start Potatolk application by double clicking the file PCPClient.jar
	2. Enter your sign in information
	3. Press "Sign In" button
	4. Use the application as you want
	5. Click on the cross on the top right
	6. To cancel the operation click "No" or "X", to logout click "Yes"
Expected Results	User logs out and the application will be stopped