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| Use Case Id | 1 |
| Version | 1.0 |
| Name | **Connection** |
| Actors | local user |
| Description | This use case describes the connection to the system of a local user |

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| Purpose/Overview | This use case is aimed at allowing the local user to connect to the system. The user press the connect button after providing a valid login or user name. The system indicates to the user if the connection is sucessful or not. |
| Triggers | connect button |
| Preconditions | - a username has been provided - the user is not already connected (he is disconnected) |
| Post-conditions | the user is connected |
| Business rules | - a valid username is an unique identifier for the user - when a user gets connected, all the other users already connected need to be informed about the arrival of the new user. A hello message containing the local user name is used. |
| Notes | several possibilities to provide an unique identifier exist:  - the login is compared with the other users to check is valid - the login is automatically converted in a valid login by adding the unique host address |
| Author and date | Ernesto, 1.12.2009 |
| Basic course of events |  |
| **Local User** | **ChatSystem** |
| provides username |  |
| press connect button |  |
|  |  |
|  | indicates that local user is connected  notified other user that X is actif |
| **Alternative path** |  |
|  | indicates that local user is not connected because the username is not valid |
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| Use Case Id | 1 |
| Version | 1.0 |
| Name | **Change of username** |
| Actors | local user |
| Description | This use case describes how a user can change of username |

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| Purpose/Overview | This use case is aimed at allowing the local user to change of username it indicate to the user if the username is already taken |
| Triggers | Change name button |
| Preconditions | - the user is connected |
| Post-conditions | the user has a new username |
| Business rules | - a valid username is an unique identifier for the user - when a user changed of username all the other users need to be informed about the change username. A hello message containing the new user name is send. |
| Notes | several possibilities to provide an unique identifier exist:  - the login is compared with the other users to check is valid |
| Author and date | Lucie 08/11/2019 |
| Basic course of events |  |
| **Local User** | **ChatSystem** |
|  |  |
| press change username button |  |
|  | sends hello, I change my username messages to other users |
|  |  |
| **Alternative path** |  |
|  | indicates that change didn’t work because username is not valid |

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| Use Case Id | 1 |
| Version | 1.0 |
| Name | **Open session** |
| Actors | local user |
| Description | This use case describes a opening of session between two users |

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| --- | --- |
| Purpose/Overview | This use case is aimed at allowing the local user to open a session by choosing an active user in the list to communicate with. |
| Triggers | Start session button |
| Preconditions | - the user is connected  -an update of the active list has been done |
| Post-conditions | -a session is open with the chosen user |
| Business rules | - when the session is open the user as access to the history of the conversation  -the user choose appear in the active list |
| Notes |  |
| Author and date | Lucie 08/11/2019 |
| Basic course of events |  |
| **Local User** | **ChatSystem** |
| press open session button |  |
| Select an user in the active list |  |
|  | Provide the history of the session |
|  |  |
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| Use Case Id | 1 |
| Version | 1.0 |
| Name | **Send a message** |
| Actors | local user |
| Description | This use case describes the send of message |

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| Purpose/Overview | This use case is aimed at allowing the local user to send a message on an open session and see this message on the history |
| Triggers | send button |
| Preconditions | The user is connected and a session is open |
| Post-conditions | The message has been deliver and appear on history |
| Business rules | - When a message is send a timestamp need to appear on history of message |
|  |  |
| Author and date | Lucie 15/11/2019 |
| Basic course of events |  |
| **Local User** | **ChatSystem** |
| provides message |  |
| press send button |  |
|  |  |
|  | Send the message to the concern system  Update the history with message and timestamp |
|  |  |
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|  |  |