

# Bazaa P2P Search

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## User Guide

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# Overview

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**This document illustrates the working of Bazaar Search application. For installation steps, refer to the installation Guide document.**

Bazaar Search is an application which links you directly with relevant people – making it the world’s first secure, private people2people internet.

Bazaar is a peer-to-peer decentralized search system that directly links the people of relevance. Bazaar allows users to raise interest on a buzz created by other users in a private, secure, untraceable and anonymous manner. Unlike current web-search engines, Bazaar has no centralized database and no web pages.

Users create private, secure buzz listing via the Bazaar Peer installed on their local machines. Interest raised by users across the network are matched against all buzzes on the peer-to-peer global network and matching results are returned to all relevant parties. Future matches are automatically pushed to people for their past buzzes. The buzzes created by users on their individual machines together constitute a ‘distributed database’ that is searched concurrently by each interest entry.

With the Bazaar design, it is impossible for third-parties, corporations or governments to control or determine the identity of those who are exchanging ideas, information, thoughts or any other communications with other people across the world.

## Features

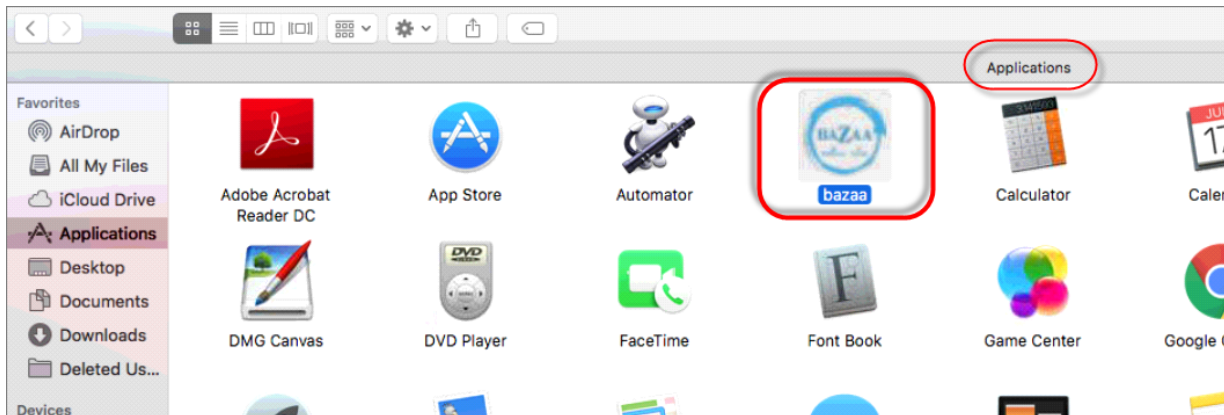
Major features of Bazaar Search include:

- ❖ Bazaar enables the creation of buzzes, raising interests and getting notified at no cost.
- ❖ Enter a description of what is required, or list what is to be offered - Bazaar automatically matches up with real people whose buzz match your interest (or whose interest matches your buzz) instantaneously. Also, the posted requirement will be available for people to discover continuously until deleted.
- ❖ Bazaar's one-to-one secure chat enables conversing securely with matched people. Bazaar chats are peer-to-peer, do not traverse any central server and are deleted as soon as a party terminates the Chat session.
- ❖ There's no third-party intermediary between interests and results. Bazaar directly links relevant people matching the search, bypassing all third parties.
- ❖ Bazaar's single-pane client allows end-users to create buzzes or interests quickly and easily, not requiring any technical expertise.

# Starting the Server node

## Mac

- 1) Open Finder and navigate to the **Applications** folder.
- 2) Find the installed application from the list of applications present.

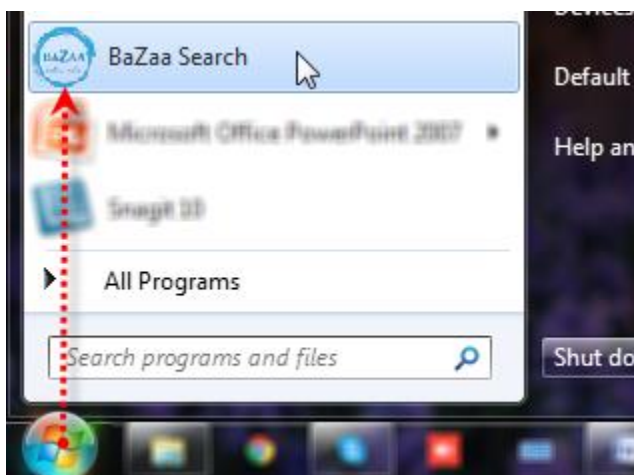


- 3) Double-click the **Bazaa** application to launch the Bazaa search window.

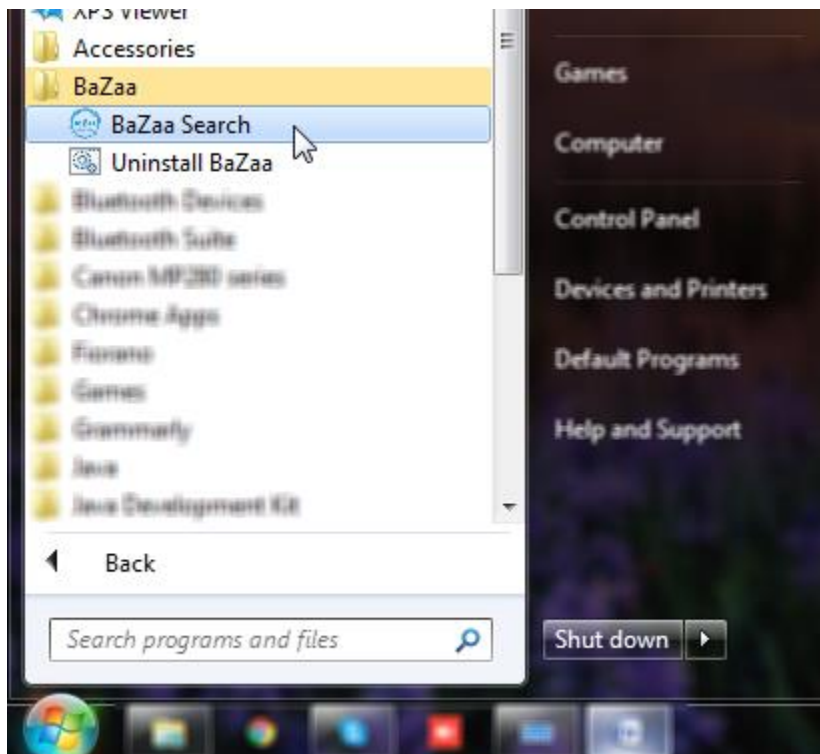
## Windows

Perform any one of the following to launch Bazaa Search:

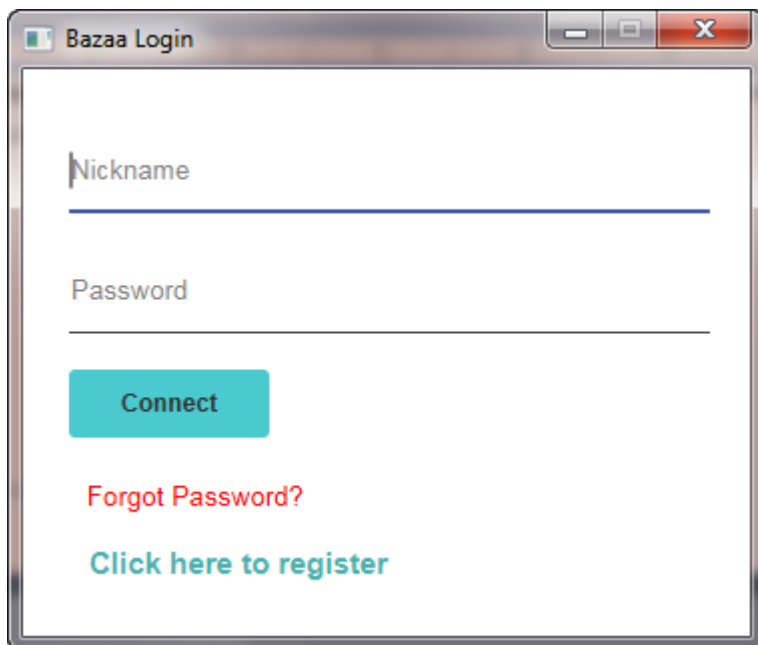
- 1) Click the **Bazaa Search** option from the Start menu.



2) Navigate to **Start > All Programs > Bazaar** and click the **Bazaar Search** option.



The **Bazaar Login** window pops up.



# Registering a new user and logging in

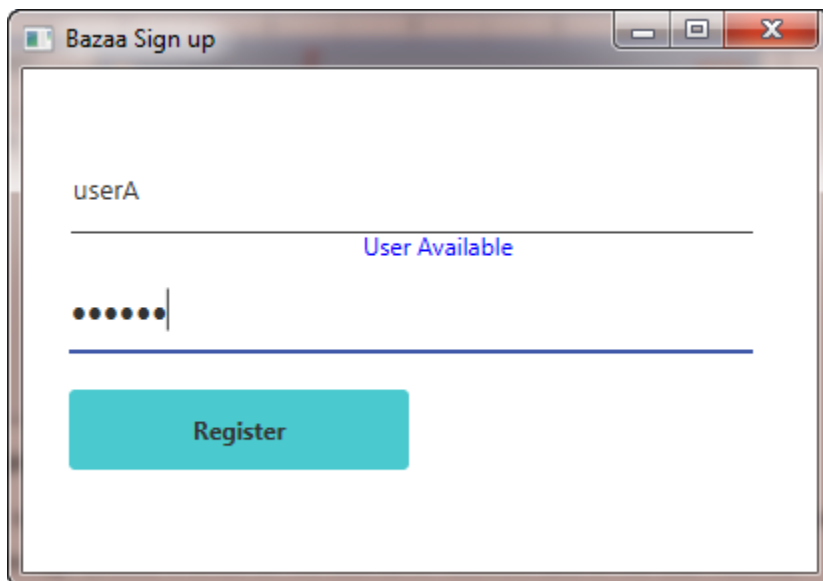
In the **Bazaa Login** dialog box, perform the following actions:

- 1) Click the **Click here to register** button (see the figure above) to create a user profile.

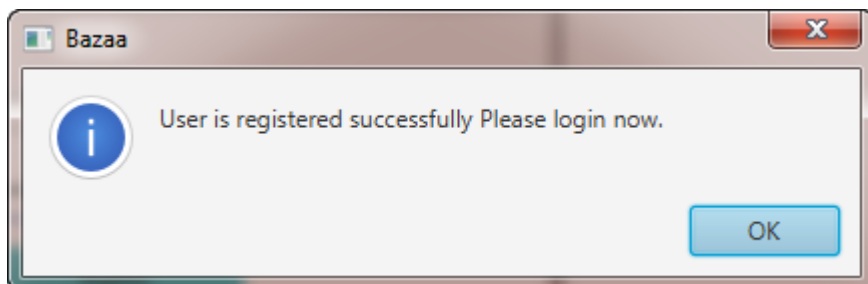
*Already existing users can login using their credentials.*

- 2) Provide a nickname (a preferred username) and password to register.

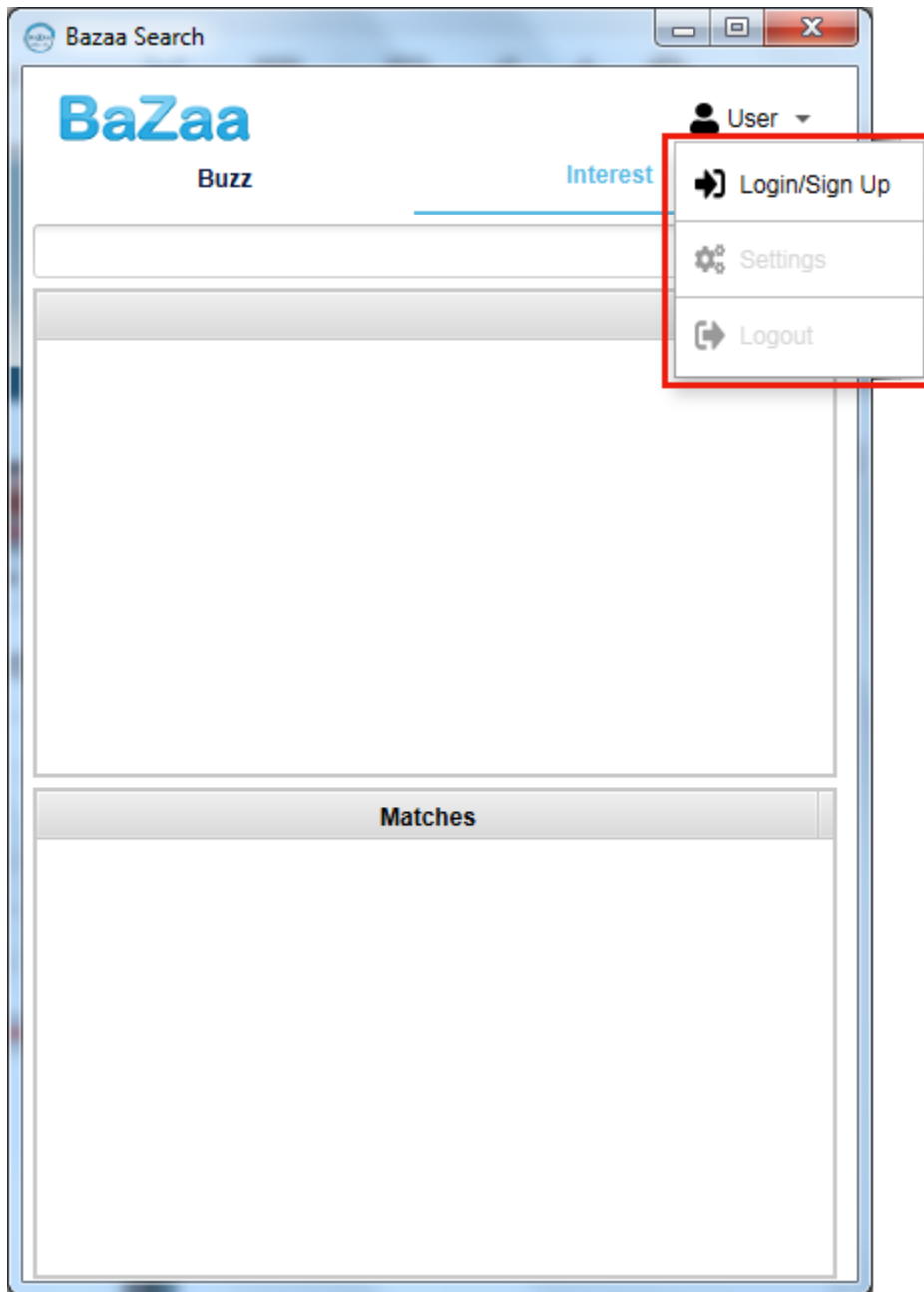
**Note:** The message “User Available” displayed near the entered nickname means that the name is available for registering. If it is not available, it says “User already in use”.



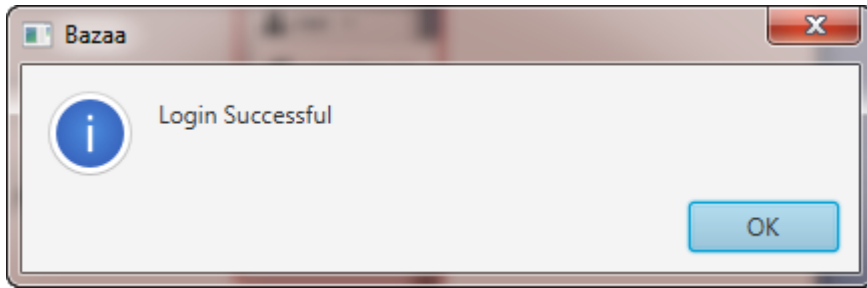
- 3) A confirmation message appears upon successful registration.



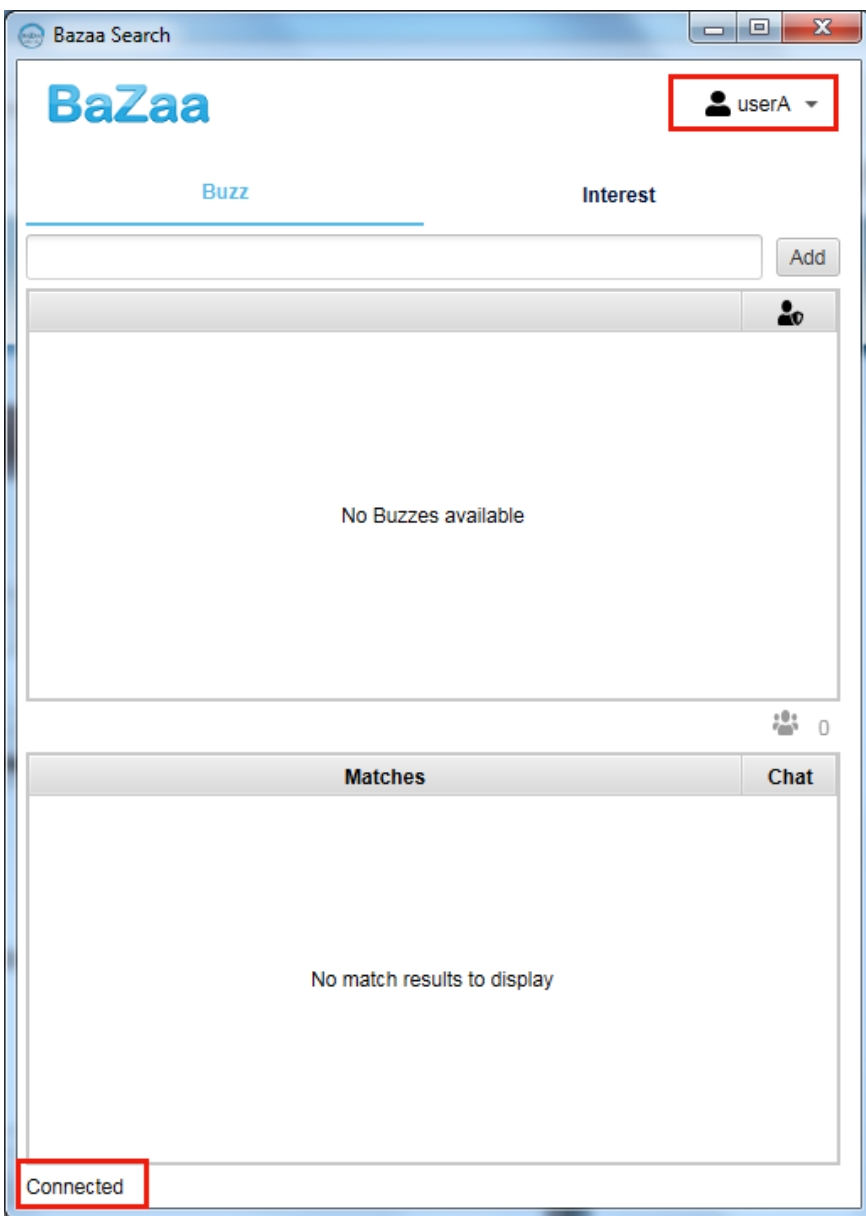
- 4) Click the **User** drop-down to log on to the network.



- 5) In the **Baza Login** dialog box, provide credentials and click the **Connect** button.
- 6) A Login confirmation window pops up on successful login. Click **OK** to switch to the **Baza Search** window.



After successful login, the logged in nickname appears on the upper-right part of the **Bazaa Search** window and a connection status text “Connected” appears in the lower-left part of the panel.





# Buzz and Interest

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Bazaa Search will be ready to create buzz or interest to match up with real people in the Bazaa network instantaneously. Buzz and Interest tabs can be seen in the image above.

❖ **Buzz:** Buzz is a long search string that can be added to the bazaa network expressing an idea/thought to find people who have requested or are waiting for similar idea/thought in the form of an interest.

➤ **Example:** I am a driver providing cab services in London at the best price.

❖ **Interest:** This is a short search string to find the matching context in the form of buzz from the Bazaa network. It's a way of requesting information by providing the context to seamlessly find people who have expressed the same idea/thought in the form of a buzz. To narrow down the interest, specify the keywords accordingly.

➤ **Examples:** Cab services, cab services in London, London cab service at best price etc.

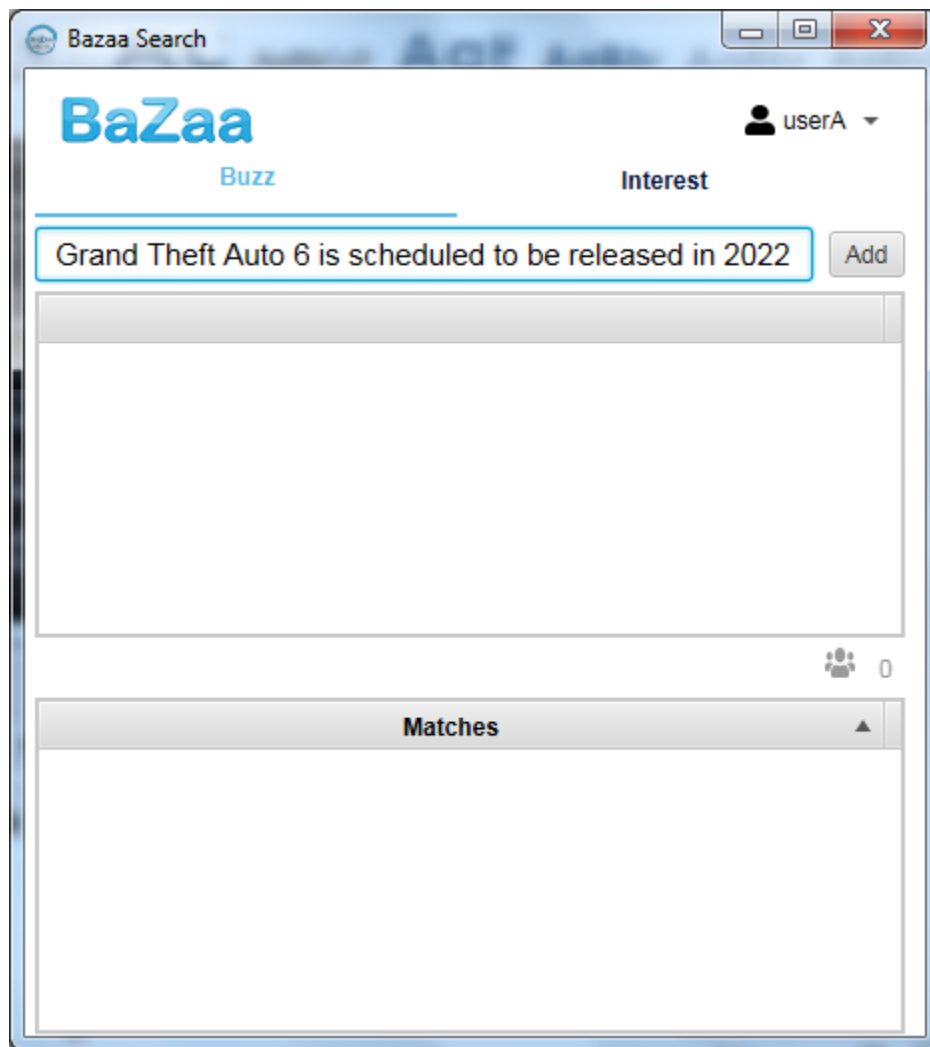
Bazaa enables matched parties to have one-to-one secure chat which gets erased completely as soon as a party terminates the chat session. A group chat also can also be initiated with multiple users with matching buzz/interest.

# Creating a Buzz

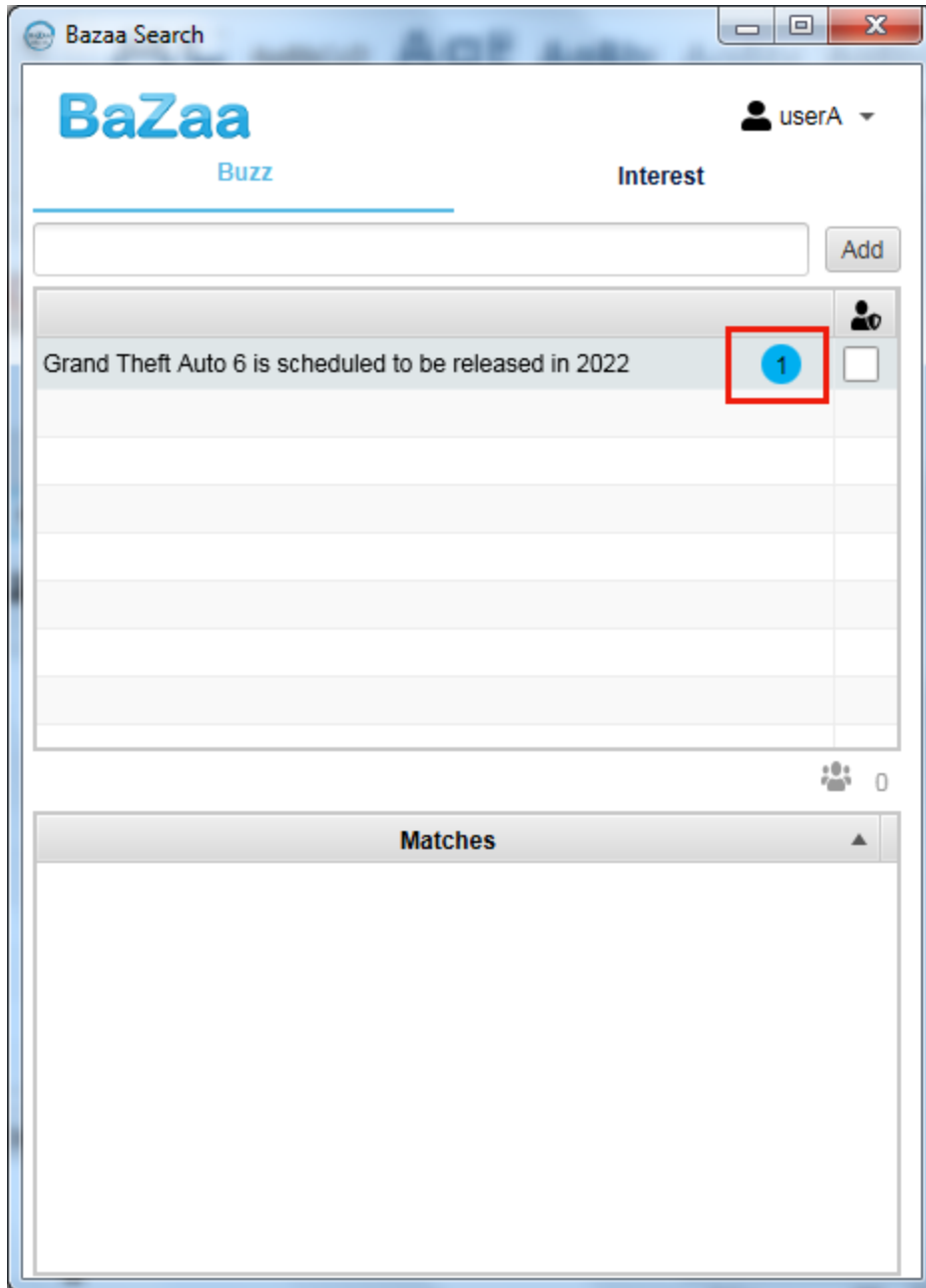
## Adding a buzz and finding a matching interest

To find an appropriate matching interest in the network, add a buzz by performing the following actions:

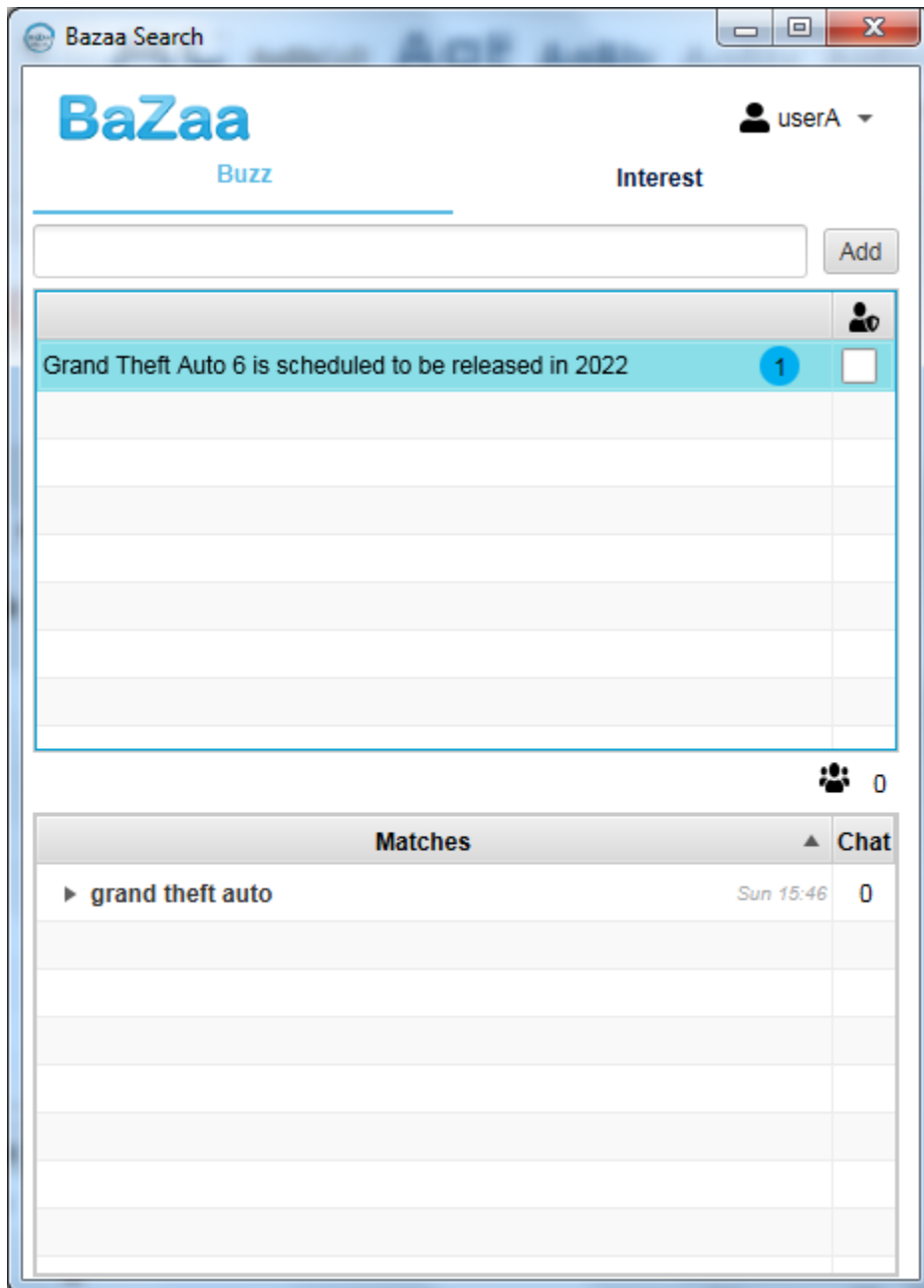
- 1) Click the **Buzz** tab.
- 2) Type-in the preferred content with appropriate keywords in the text box below the tab.
- 3) Press Enter or click the **Add** button.



4) In the figure above, the buzz content is "Grand Theft Auto 6 is scheduled to be released in 2022". The buzz will be added to the network and will be displayed under the Buzz section. Wait a moment for the number of matched items getting displayed on the right side of the keywords added.

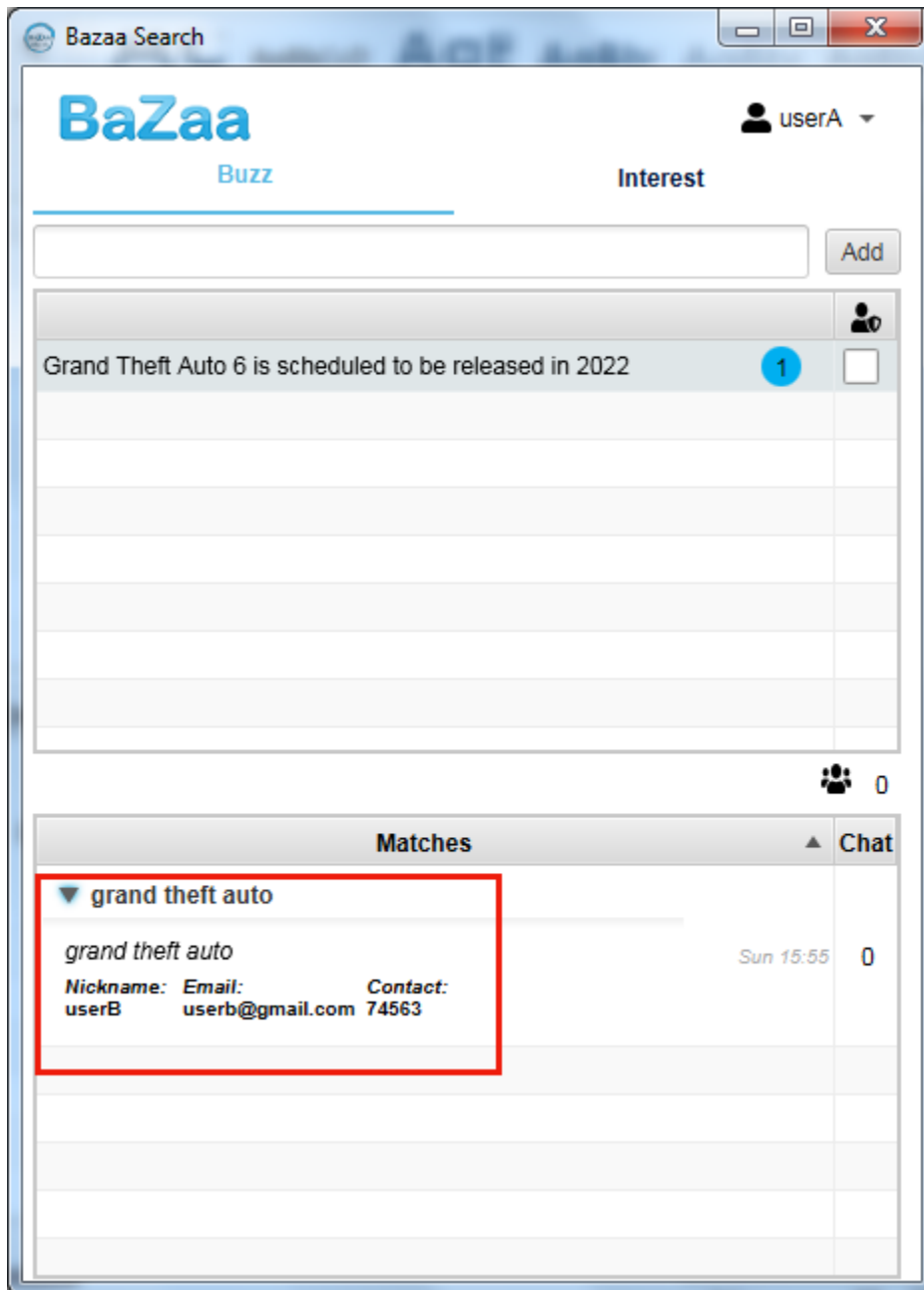


5) Click the buzz to fetch matching interests; matches get displayed under the **Matches** section below.



6) In the **Matches** section, click the matched item (here the interest text is “grand theft auto”) to see the details of the item.

**Note:** The matched interest is apparently an interest created by another user using the Interest tab in Baza Search. Refer to the Creating an Interest section for this content.



7) The nickname, email ID and contact will be displayed based on the Settings (explained in a later section) configured by the user who has raised the interest.

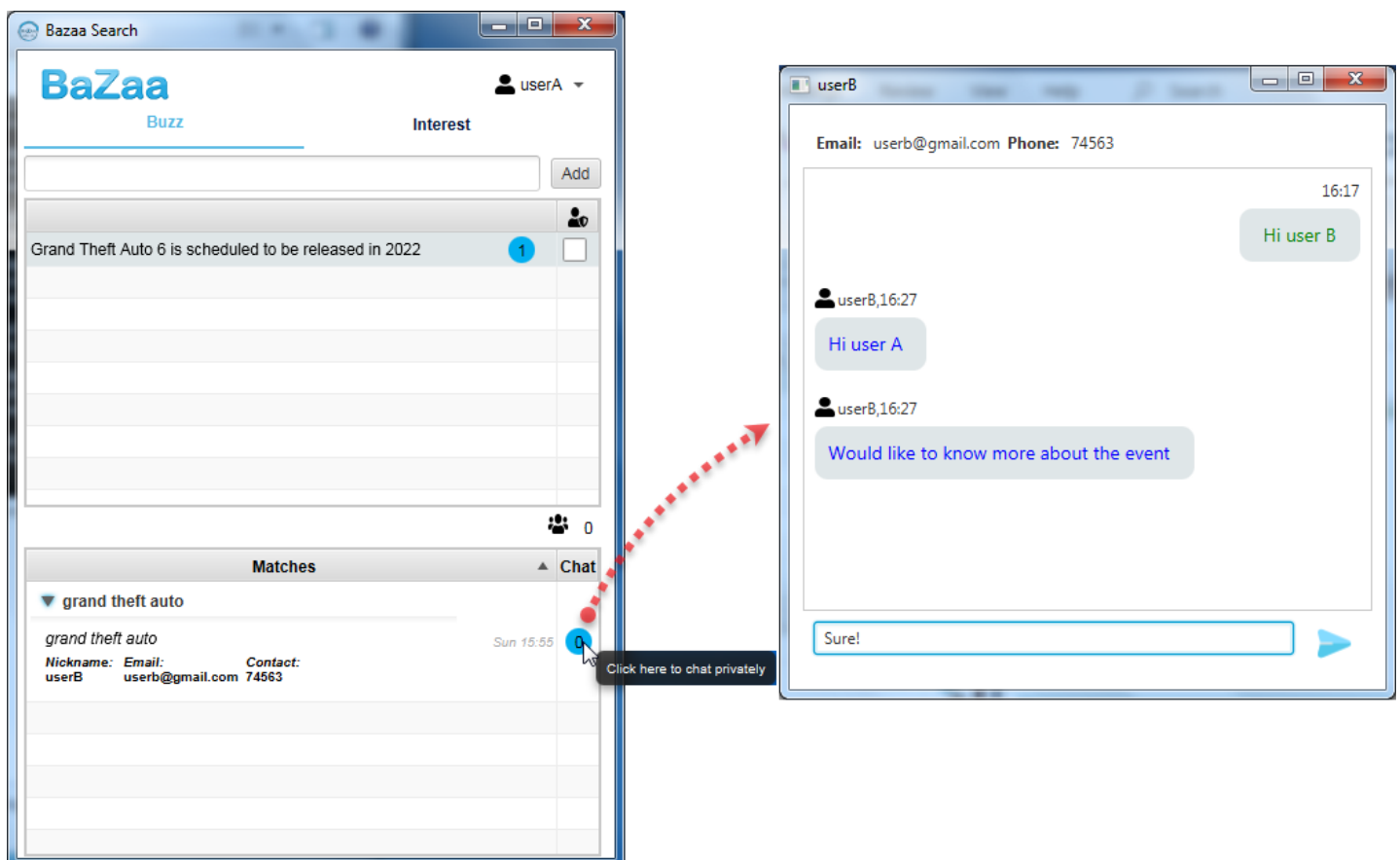
There is an option to instantly chat with the user who has raised the interest; refer to the next section to explore this option.

## Communicating with the matching interest

### Chatting with the user of the matched interest

To chat with the user of a matched buzz, click the number of chats displayed in the **Chat** column of the Matches section. A one-to-one secure chat box gets opened where a conversation with the matched user can be initiated.

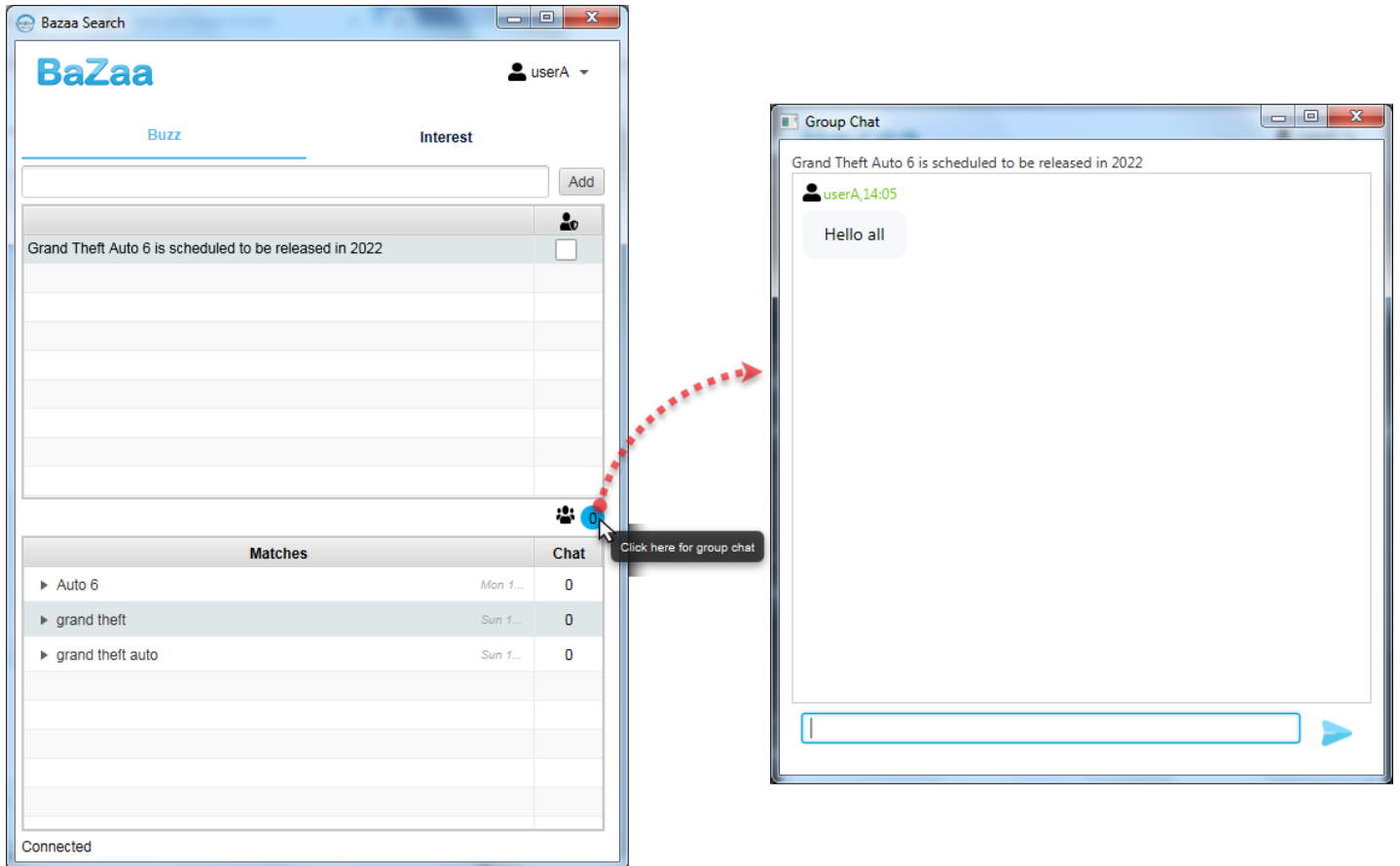
**Note:** The number of chats mentioned will be zero if the user who has raised the interest has not initiated the chat so far.



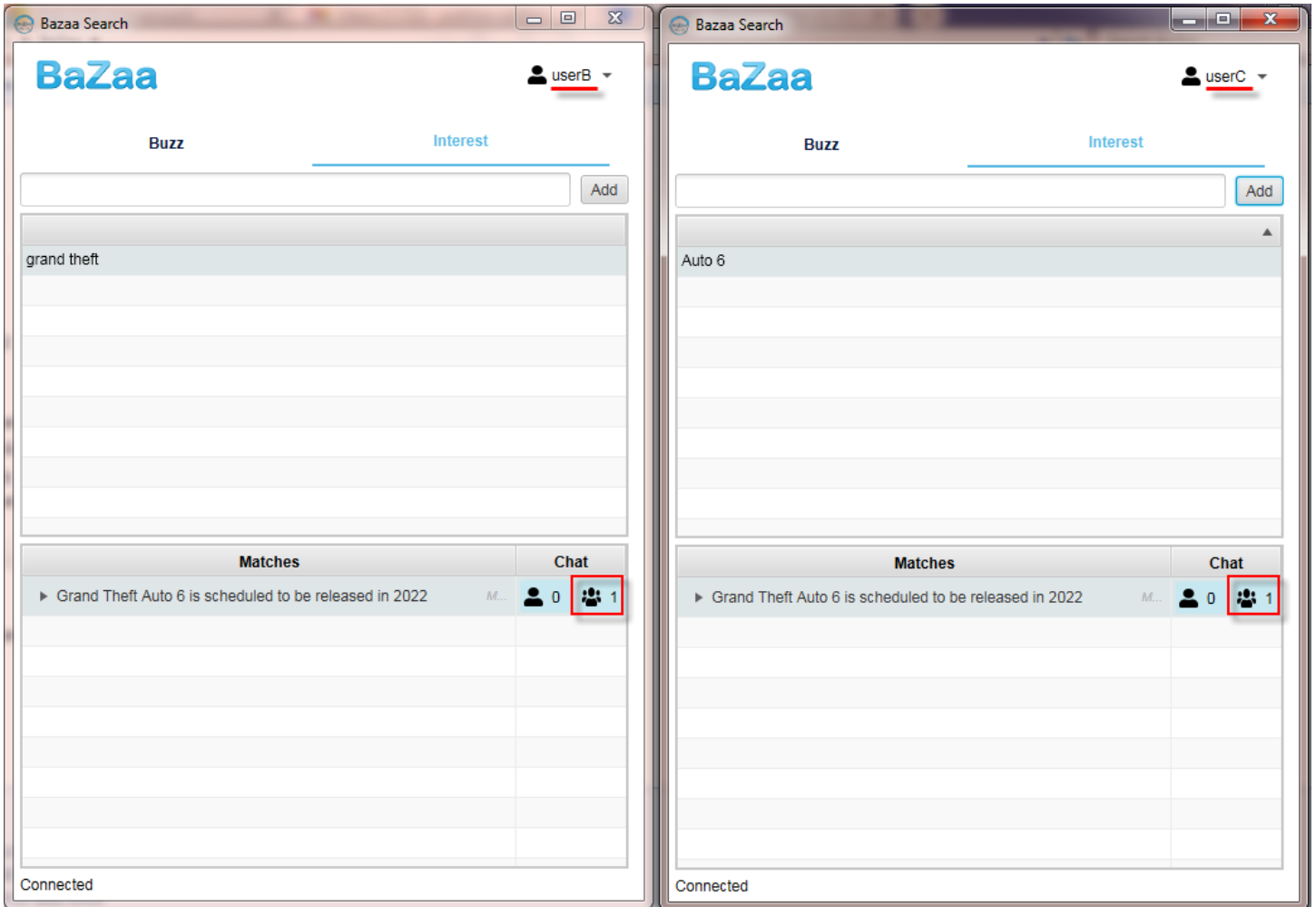
## Chatting with multiple users of the matched Interest

When there are multiple matching interests, a group chat can be initiated to have a common platform to share information with all the members who share the same interest.

To initiate a group chat, click the group chat icon present right above the Matches tab or the number of chats mentioned next to it.



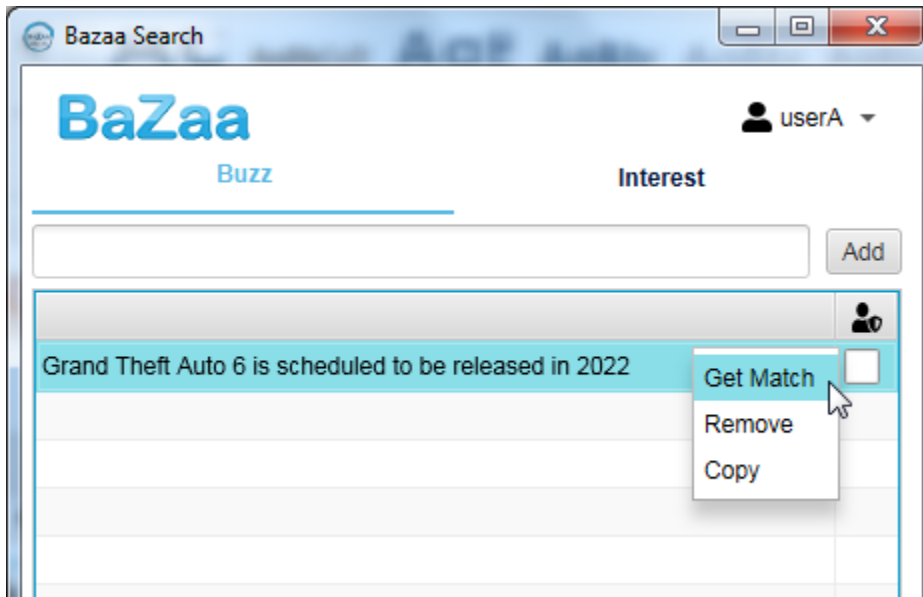
All users in the Matches list who have raised similar interests will get the group chat notification (number of chats under the group chat icon gets updated thereby notifying them of the group chat message). This opens a platform to communicate with all those who have raised interest for the buzz.





## Searching for a match later

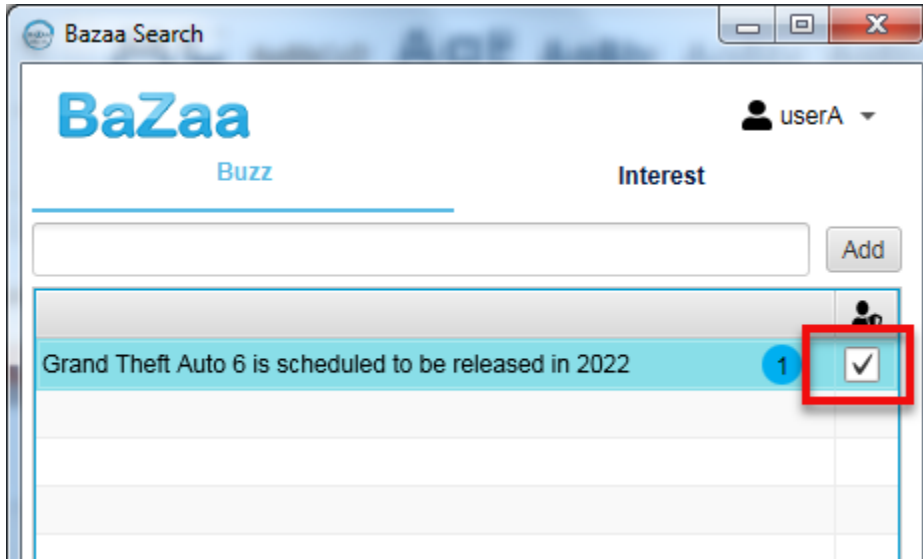
To find a matching interest for an existing buzz at a later point of time, right-click the added buzz and click the **Get Match** button. It matches appropriate interests (if someone has queried for such a buzz) added in the network at that point of time.



## Marking a Buzz confidential

A Buzz can be kept secured or hidden so that other users who match the buzz using their Interest cannot find the details of the buzz.

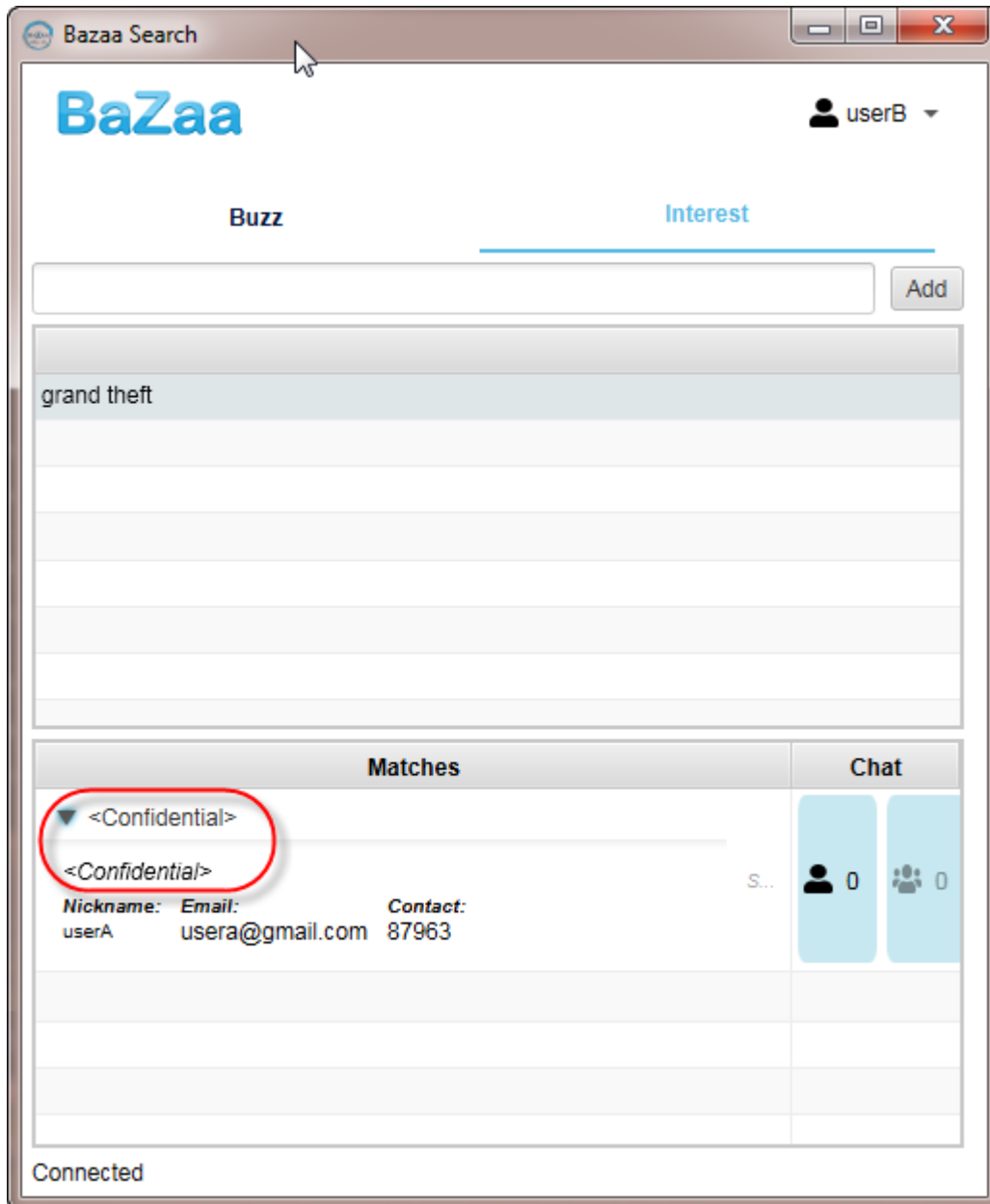
To make a buzz secured/hidden, enable the **Confidentiality** option against the buzz.



The content of a buzz marked 'confidential' is never distributed across the network. Instead, matching interests just get to know that a match has been found; the relevant user can open a confidential chat session with the creator of the buzz.

After making your buzz confidential, a node that matches their interest cannot fetch details of your buzz except for the contact details.

Even as a matching interest is raised from a different node and the matching buzz gets displayed under the Matches section, the actual buzz text will not be visible to the user but it will be displayed as “<confidential>”.



**Note:** Contact details can also be concealed by changing the settings. Refer to the Privacy Settings section.

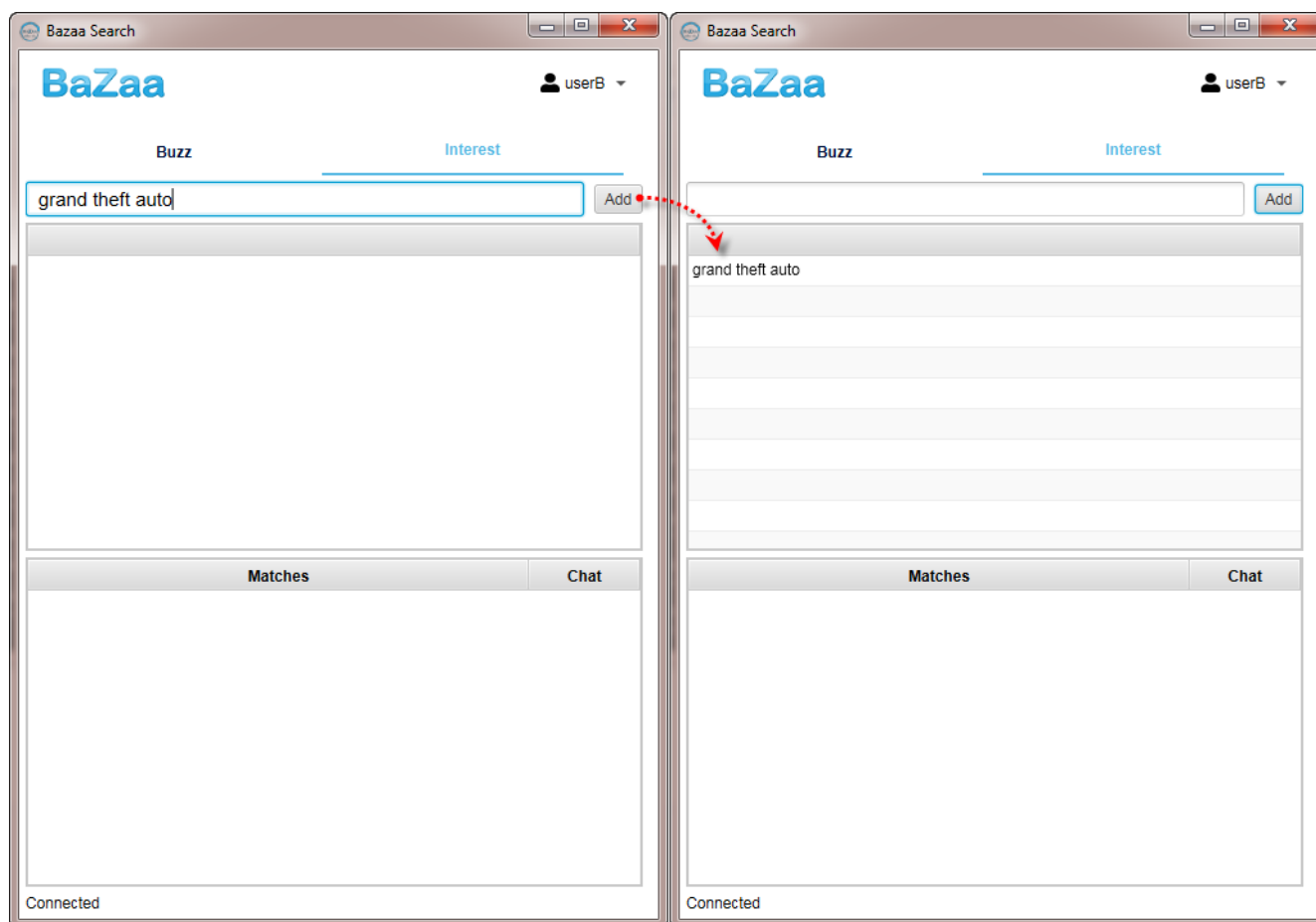
# Creating an Interest

The procedure for adding an interest to find a matching buzz is similar to Creating a Buzz which is explained in the section above.

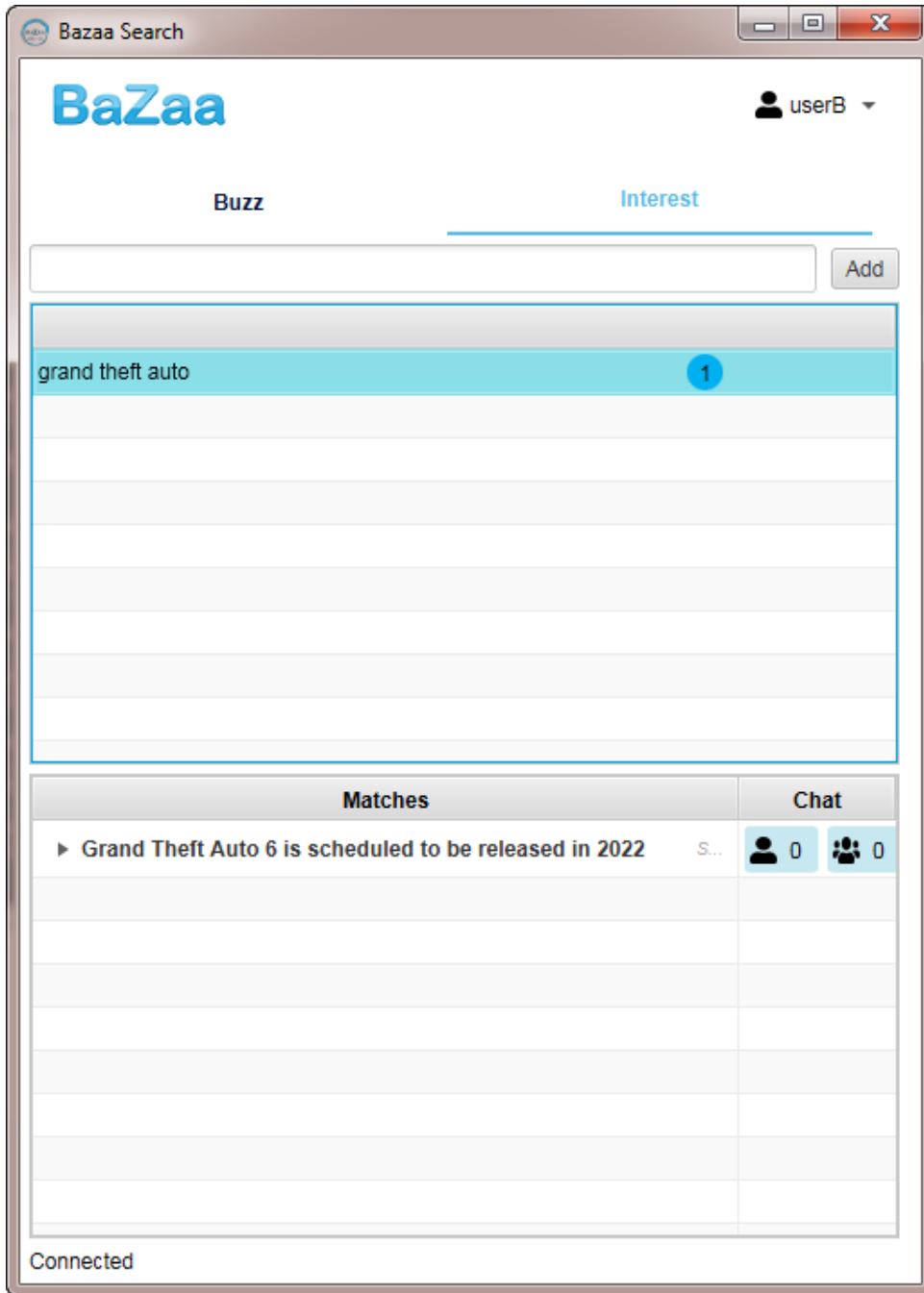
## Adding an interest and finding a matching buzz

To find an appropriate matching interest in the network, add a buzz by performing the following actions:

- 1) Click the **Interest** tab.
- 2) Type-in the preferred content with appropriate keywords in the text box below the tab.
- 3) Press Enter or click the **Add** button.



4) In the figure below, the added interest is "grand theft auto". The interest will be added to the network and will be displayed under the Interest tab. Wait a moment to see the number of matched items displayed on the right side of the keywords added.



5) Click the interest to fetch matching buzzes; matches get displayed under the **Matches** section below.

6) In the **Matches** section, click the matched item (here the interest text is “grand theft auto”) to see the details of the item



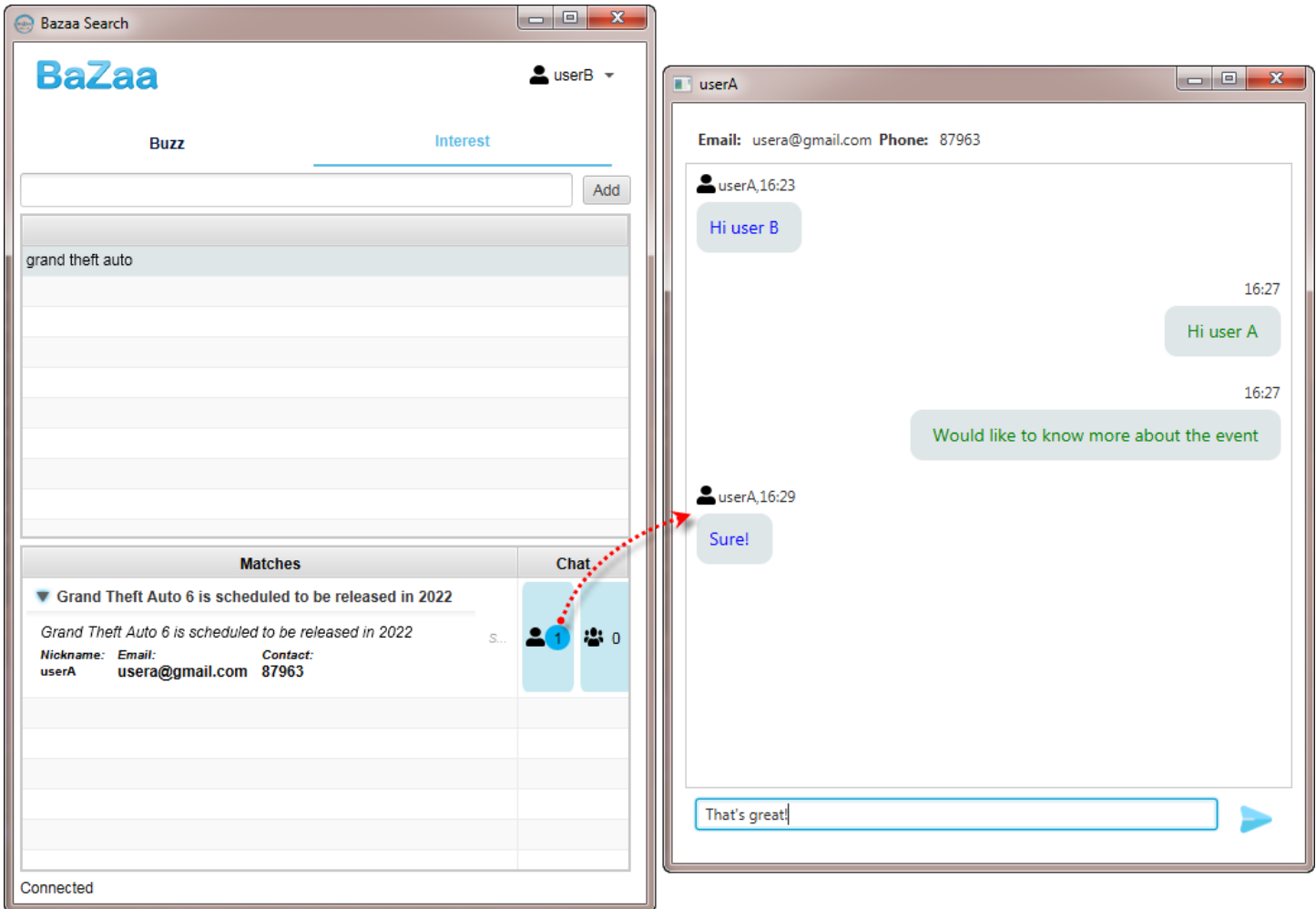
From the interest "grand theft auto" added, the matching buzz "Grand Theft Auto 6 is scheduled to be released in 2022" is fetched.

The nickname, email ID and contact will be displayed based on the Settings (explained in a later section) configured by the user who has raised the query. However, there is an option to chat with this user; refer to the next section to explore this option.

## Communicating with the matching buzz

### Chatting with the user of the matched buzz

To chat with the user of a matched buzz, click the number of chats displayed in the **Chat** column of the Match section to open a one-to-one secure chat box to initiate a conversation with the matched user.

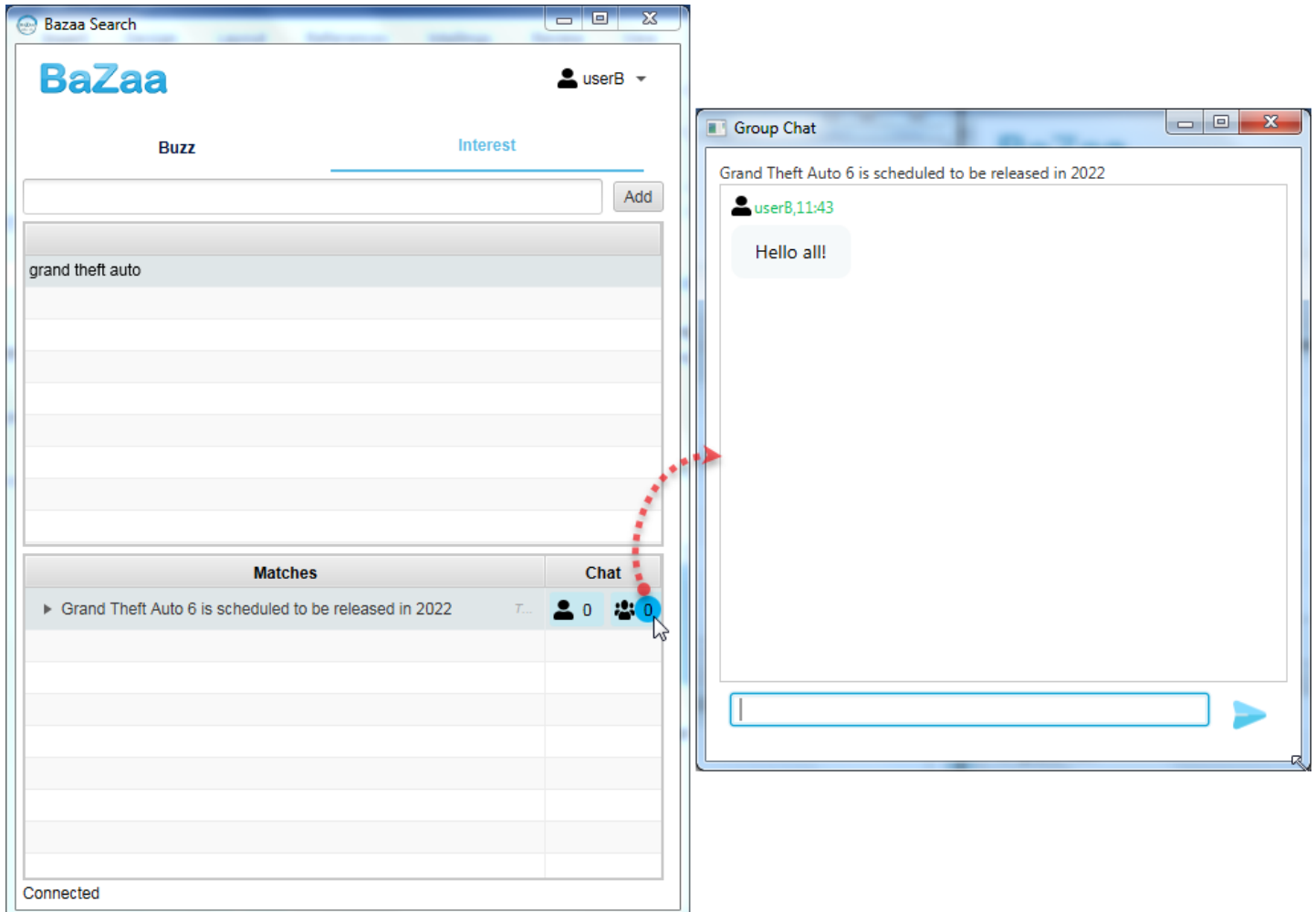


If the user who created the buzz initiates a group chat, the number of chats appears next to the group chat icon.

## Chatting with multiple users of the matched buzz

When there are multiple matching interests, a group chat can be initiated to have a common platform to share information with all the members who share the same interest.

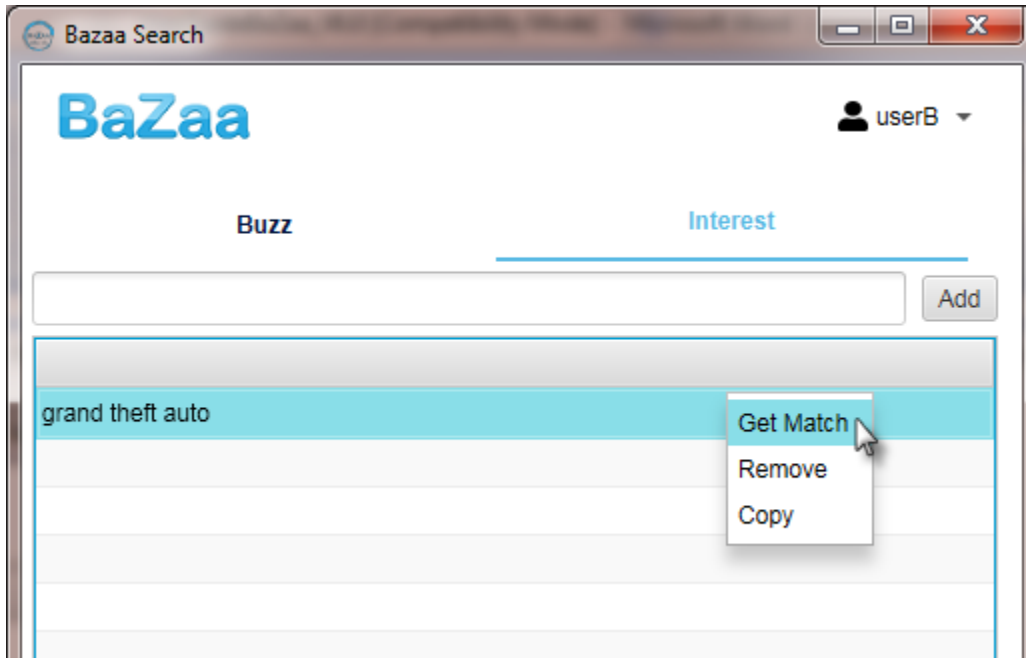
To initiate a group chat, click the group chat icon present right above the Matches tab or the number of chats mentioned next to it.





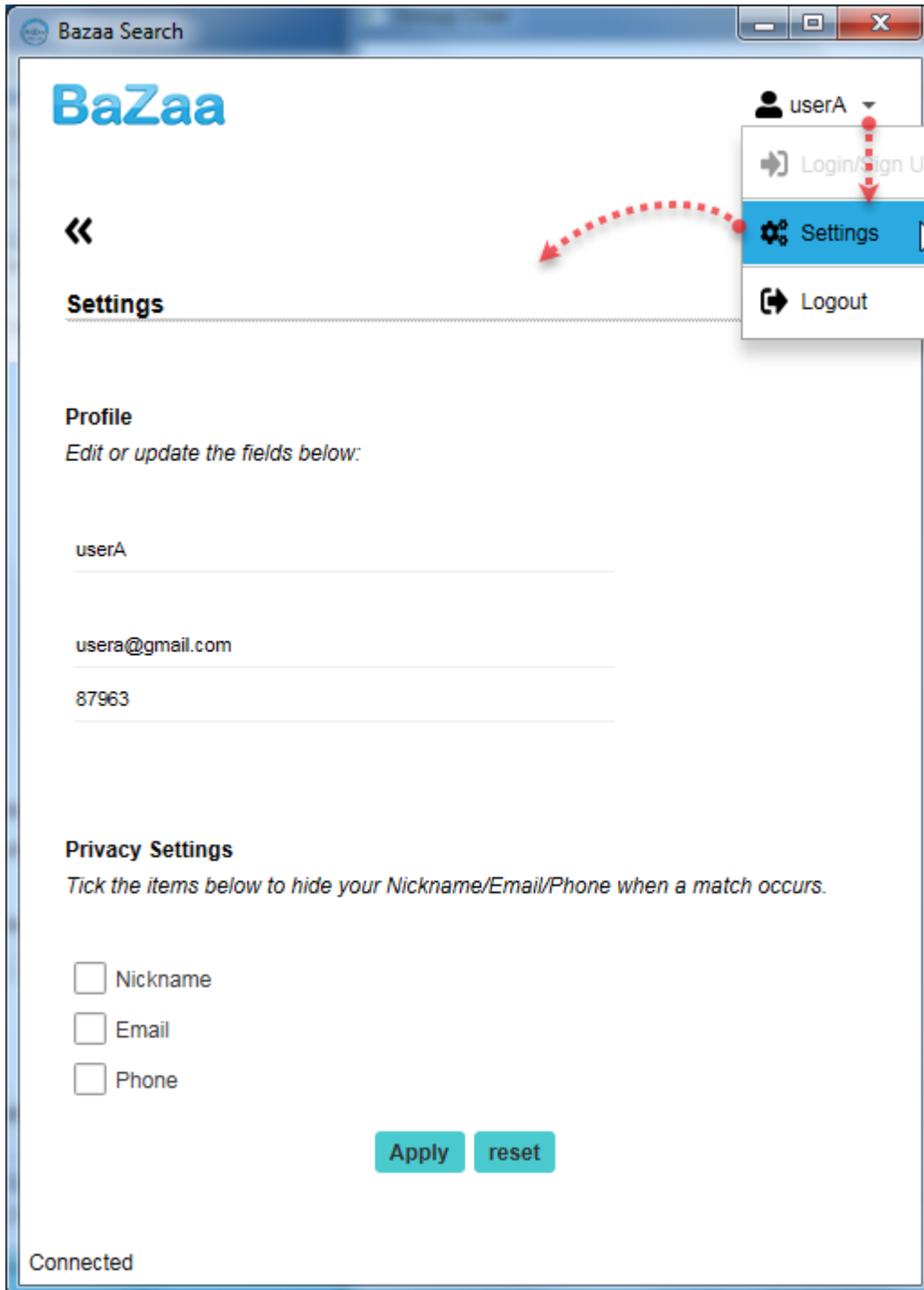
## Searching for a match later

To find a matching buzz for an existing interest at a later point of time, right-click the added interest and click the **Get Match** option. It matches an appropriate buzz added in the network at that point of time.



# Settings

Settings section helps to enhance privacy by changing the profile content and conceal the content as well. Click the drop-down next to the logged in nickname icon and click the **Settings** option.



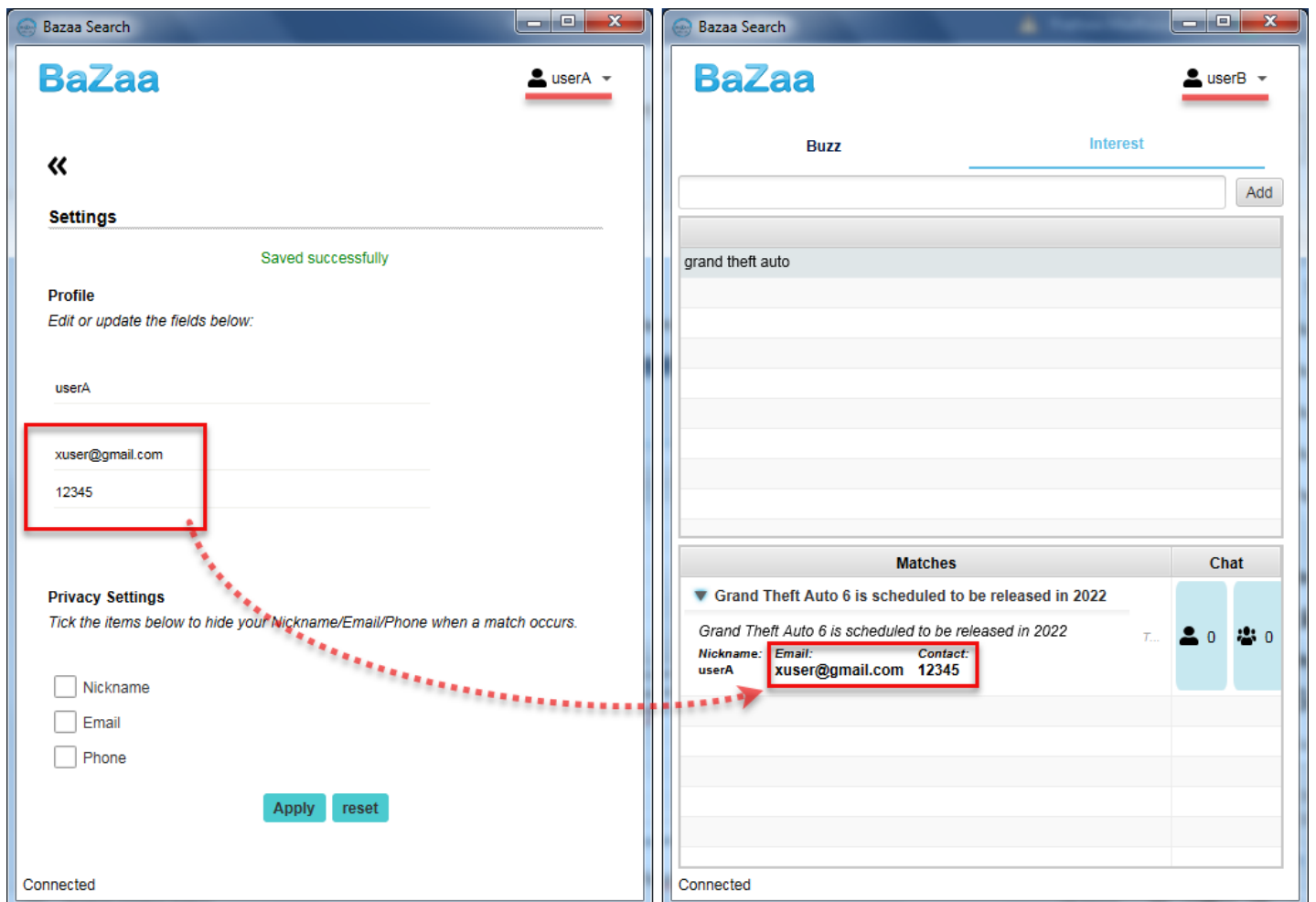
Updates can be made on the following contact details:

- ❖ Nickname
- ❖ Email Id
- ❖ Contact No.

After making the changes, click the **Apply** button to save the changes.

## Profile

Contact details can be edited/changed/replaced based on your preference.



In the above image, the Profile Settings that are edited and saved for userA gets reflected in userB match list entry pertaining to userA.

**Note:** If the Nickname is changed,

- Log out and log in is required.
- Log in with the new nickname to apply these changes to be reflected for the users.
- The old name will be made available for other users thereafter.

## Privacy Settings

Contact details can be concealed from those who search for matches by selecting the respective checkboxes.

The image consists of two side-by-side screenshots of the Baza Search application interface.

**Left Screenshot (UserA Settings):**

- Header: Baza Search, userA
- Section: Settings
- Status: Saved successfully
- Section: Profile
- Fields: userA, xuser@gmail.com, 12345
- Section: Privacy Settings
- Text: Tick the items below to hide your Nickname/Email/Phone when a match occurs.
- Options:  Nickname,  Email (highlighted with a red box),  Phone
- Buttons: Apply, reset
- Footer: Connected

**Right Screenshot (UserB Search Results):**

- Header: Baza Search, userB
- Section: Buzz
- Section: Interest
- Search Input: grand theft auto
- Section: Matches
- Match Item: Grand Theft Auto 6 is scheduled to be released in 2022
- Match Details: Nickname: userA, Email: <Private> (highlighted with a red box), Contact: 12345
- Section: Chat
- Footer: Connected

A red dashed arrow points from the 'Email' checkbox in the left screenshot to the '<Private>' email field in the right screenshot, illustrating the effect of the privacy setting.

In the above image, the Privacy Settings enabled/disabled and saved for userA gets reflected in userB match list entry pertaining to userA.

