Twitter

💬 Non-Visible component

Category	Requires	Version
Social	API 19, Android 4.4 - 4.4.4 KitKat	4

Overview

A non-visible component that enables communication with Twitter. Once a user has logged into their Twitter account (and the authorization has been confirmed successful by the `IsAuthorized` event), many more operations are available:

- Searching Twitter for tweets or labels (`SearchTwitter`)

- Sending a Tweet (`Tweet`)

- Sending a Tweet with an Image (`TweetWithImage`)

- Directing a message to a specific user (`DirectMessage`)

- Receiving the most recent messages directed to the logged-in user (`RequestDirectMessages`)

- Following a specific user (`Follow`)

- Ceasing to follow a specific user (`StopFollowing`)

- Getting a list of users following the logged-in user (`RequestFollowers`)

- Getting the most recent messages of users followed by the logged-in user (`RequestFriendTimeline`)

- Getting the most recent mentions of the logged-in user (`RequestMentions`)

You must obtain a Consumer Key and Consumer Secret for Twitter authorization specific to your app from http://twitter.com/oauth_clients/new
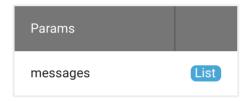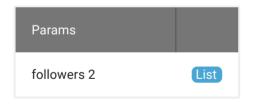
Events

Direct Messages Received

This event is raised when the recent messages requested through `RequestDirectMessages` have been retrieved. A list of the messages can then be found in the `messages` parameter or the `Messages` property.

Params	
messages	List

Followers Received

This event is raised when all of the followers of the logged-in user requested through `RequestFollowers` have been retrieved. A list of the followers can then be found in the `followers` parameter or the `Followers` property.

Params	
followers 2	List

Friend Timeline Received

This event is raised when the messages requested through `RequestFriendTimeline` have been retrieved. The `timeline` parameter and the `Timeline` property will contain a list of lists, where each sub-list contains a status update of the form (username message)
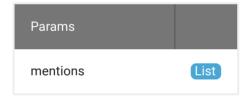
Params	
timeline	`List`

Is Authorized

This event is raised after the program calls `Authorize` if the authorization was successful. It is also called after a call to `CheckAuthorized` if we already have a valid access token. After this event has been raised, any other method for this component can be called.

Mentions Received

This event is raised when the mentions of the logged-in user requested through `RequestMentions` have been retrieved. A list of the mentions can then be found in the `mentions` parameter or the `Mentions` property.

Params	
mentions	`List`

Search Successful

This event is raised when the results of the search requested through `SearchSuccessful` have been retrieved. A list of the results can then be found in the `results` parameter or the `Results` property.

Params	
search Results	`List`

Methods

Authorize

Redirects user to login to Twitter via the Web browser using the OAuth protocol if we don't already have authorization.

Check Authorized

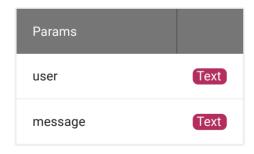Checks whether we already have access, and if so, causes IsAuthorized event handler to be called.

De Authorize

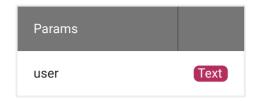Removes Twitter authorization from this running app instance

Direct Message

This sends a direct (private) message to the specified user. The message will be trimmed if it exceeds 160characters.

Requirements: This should only be called after the `IsAuthorized` event has been raised, indicating that the user has successfully logged in to Twitter.
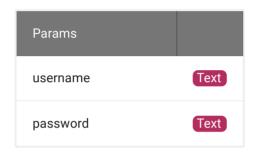
Params	
user	Text
message	Text

Follow

Starts following a user.

Params	
user	Text

Login

Twitter's API no longer supports login via username and password. Use the Authorize call instead.

Params	
username	Text
password	Text

Request Direct Messages

Requests the 20 most recent direct messages sent to the logged-in user. When the messages have been retrieved, the system will raise the `DirectMessagesReceived` event and set the `DirectMessages` property to the list of messages.

Requirements: This should only be called after the `IsAuthorized` event has been raised, indicating that the user has successfully logged in to Twitter.

Request Followers

Gets who is following you.

Request Friend Timeline

Gets the most recent 20 messages in the user's timeline.
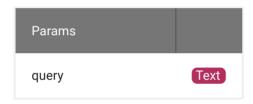
Request Mentions

Requests the 20 most recent mentions of the logged-in user. When the mentions have been retrieved, the system will raise the `MentionsReceived` event and set the `Mentions` property to the list of mentions.

Requirements: This should only be called after the `IsAuthorized` event has been raised, indicating that the user has successfully logged in to Twitter.
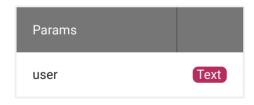
Search Twitter

This searches Twitter for the given String query.

Requirements: This should only be called after the `IsAuthorized` event has been raised, indicating that the user has successfully logged in to Twitter.

Params	
query	Text

Stop Following

Stops following a user.

Params	
user	Text

Tweet

This sends a tweet as the logged-in user with the specified Text, which will be trimmed if it exceeds 160 characters.

Requirements: This should only be called after the `IsAuthorized` event has been raised, indicating that the user has successfully logged in to Twitter.
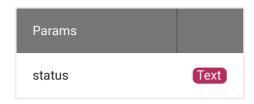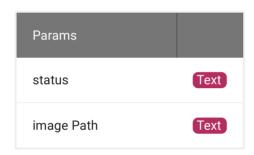
Params	
status	Text

Tweet With Image

This sends a tweet as the logged-in user with the specified Text and a path to the image to be uploaded, which will be trimmed if it exceeds 160 characters. If an image is not found or invalid, only the text will be tweeted.

Requirements: This should only be called after the `IsAuthorized` event has been raised, indicating that the user has successfully logged in to Twitter.

Params	
status	Text
image Path	Text

Properties

Consumer Key

Text — Read Write - Designer Blocks

ConsumerKey property getter method.

Consumer Secret

Text — Read Write - Designer Blocks

ConsumerSecret property getter method.

Direct Messages

`List` — `Read` - `Blocks`

This property contains a list of the most recent messages mentioning the logged-in user. Initially, the list is empty. To set it, the program must:

1. Call the `Authorize` method.

2. Wait for the `Authorized` event.

3. Call the `RequestDirectMessages` method.

4. Wait for the `DirectMessagesReceived` event.

The value of this property will then be set to the list of direct messages retrieved (and maintain that value until any subsequent call to `RequestDirectMessages`).
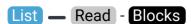
Followers

`List` — `Read` - `Blocks`

This property contains a list of the followers of the logged-in user. Initially, the list is empty. To set it, the program must:

1. Call the `Authorize` method.

2. Wait for the `IsAuthorized` event.

3. Call the `RequestFollowers` method.

4. Wait for the `FollowersReceived` event.

The value of this property will then be set to the list of followers (and maintain its value until any subsequent call to `RequestFollowers`).

Friend Time line

`List` — `Read` - `Blocks`

This property contains the 20 most recent messages of users being followed. Initially, the list is empty. To set it, the program must:

1. Call the `Authorize` method.

2. Wait for the `IsAuthorized` event.

3. Specify users to follow with one or more calls to the `Follow` method.

4. Call the `RequestFriendTimeline` method.

5. Wait for the `FriendTimelineReceived` event.

The value of this property will then be set to the list of messages (and maintain its value until any subsequent call to `RequestFriendTimeline` .
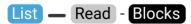
Mentions

List — Read - Blocks

This property contains a list of mentions of the logged-in user. Initially, the list is empty. To set it, the program must:

1. Call the `Authorize` method.

2. Wait for the `IsAuthorized` event.

3. Call the `RequestMentions` method.

4. Wait for the `MentionsReceived` event.

The value of this property will then be set to the list of mentions (and will maintain its value until any subsequent calls to `RequestMentions`).
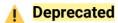
Search Results

List — Read - Blocks

This property, which is initially empty, is set to a list of search results after the program:

1. Calls the `SearchTwitter` method.

2. Waits for the `SearchSuccessful` event.

The value of the property will then be the same as the parameter to `SearchSuccessful` . Note that it is not necessary to call the `Authorize` method before calling `SearchTwitter` .

TwitPic_API_Key

⚠️ **Deprecated**

`Text` — `Read` `Write` - `Blocks`

TwitPicAPIkey property getter method.

Username

`Text` — `Read` - `Blocks`

The user name of the authorized user. Empty if there is no authorized user.

Last update: January 26, 2020