KATI-8.0.0

BING Chat GPT-4

CONTENT

ABOUT KATI

KATI is an alternative user interface for BING's chat service. Please refer to the terms and privacy information provided on Bing's website.

The KATI application allows the user to communicate in a human-like manner with an AI. The answers of the AI can be output with a natural voice and the avatar image of the AI changes the appearance depending on the mood of the chatbot. Below you will find a summary of the features of KATI.

Features:

- Conversation with the AI in the chat modes: Creative, Balanced or Direct
- Optional voice output with a voice pre-installed in the operating system or a natural-sounding TikTok voice.
- Speech input (System Speech or Whisper)
- Dynamic avatar images to represent AI emotions.
- Chat history with filter function, read-aloud function and the possibility to resume a previous conversation.
- Rating function for AI Answers as an aid for the filter function
- Storage option for a behavioral description of the AI and a salutation name. This information is automatically transferred to the AI when a new topic is created.
- Short waiting times due to direct streaming of answers. Text and code are formatted for readability.
- Multilingual user interface
  (DE, EN, FR, ES, PT, JA, KO)
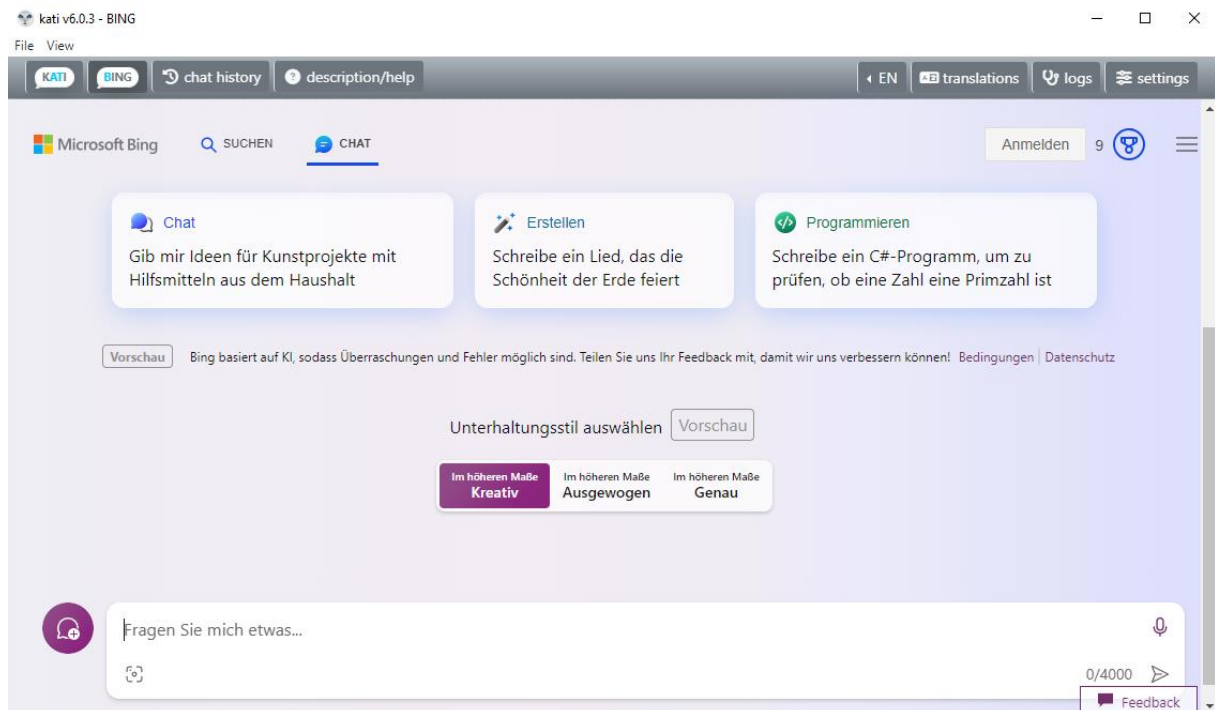
NUGET PACKAGES/LICENSES USED:

- BingChat (MIT)
- ElectronNET.API (MIT)
- Esprima (BSD-3-Clause)
- LiteDB (MIT)
- Microsoft.AspNetCore.SignalR.Client (MIT)
- NAudio (License Info)
- Newtonsoft.Json (MIT)
- System.Data.SQLite (public domain)
- System.Linq.Async (MIT)
- System.Speech (MIT)
- SoundTouch (License Info)
- WhisperNet (MPL-2.0)
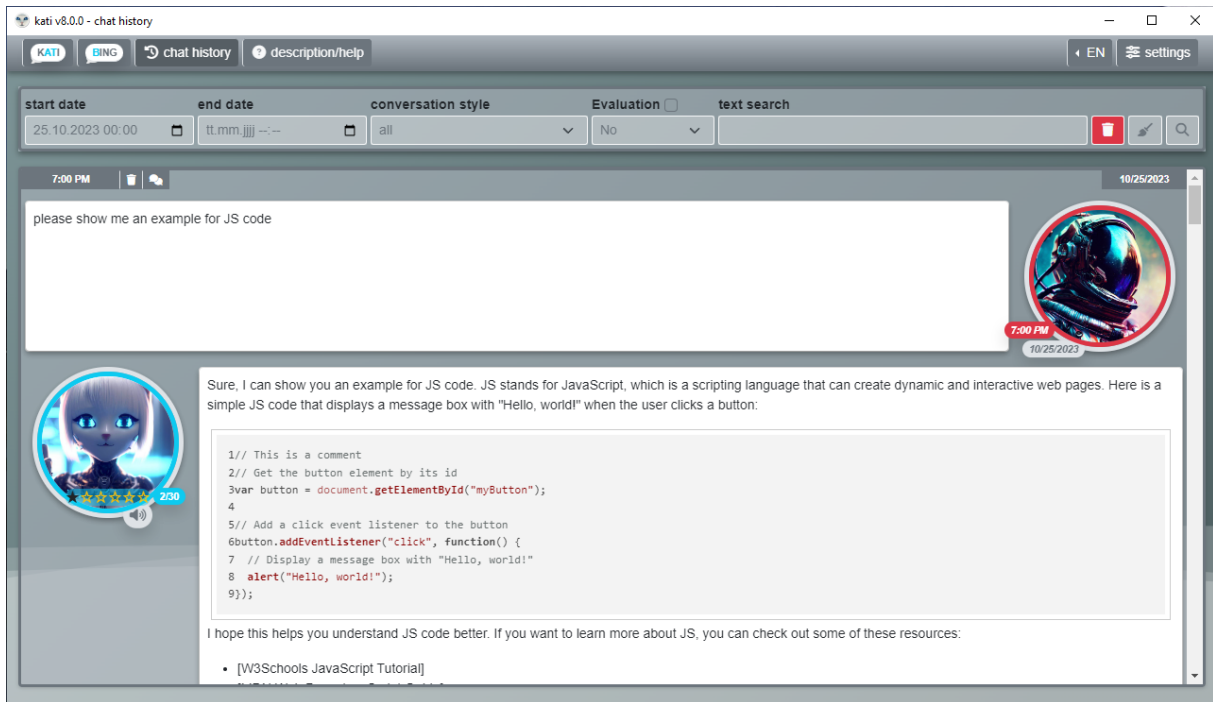
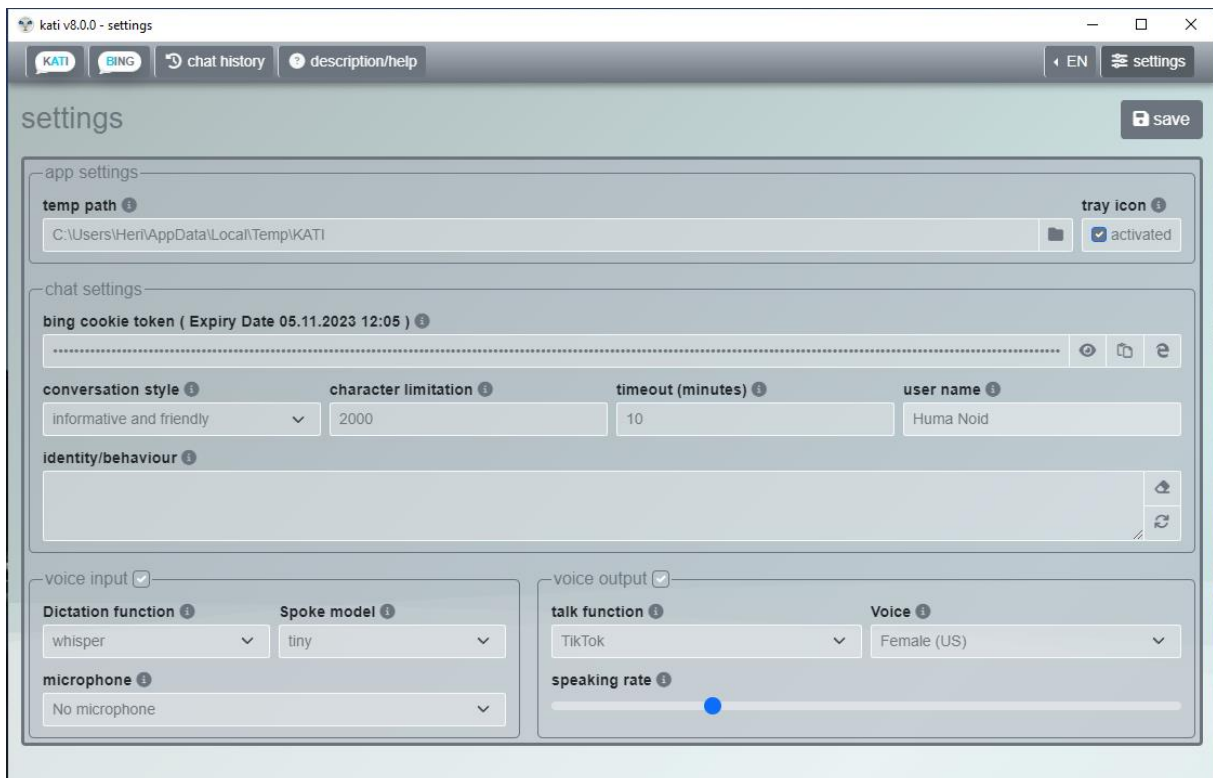## PREVIEW: CHAT VIEW
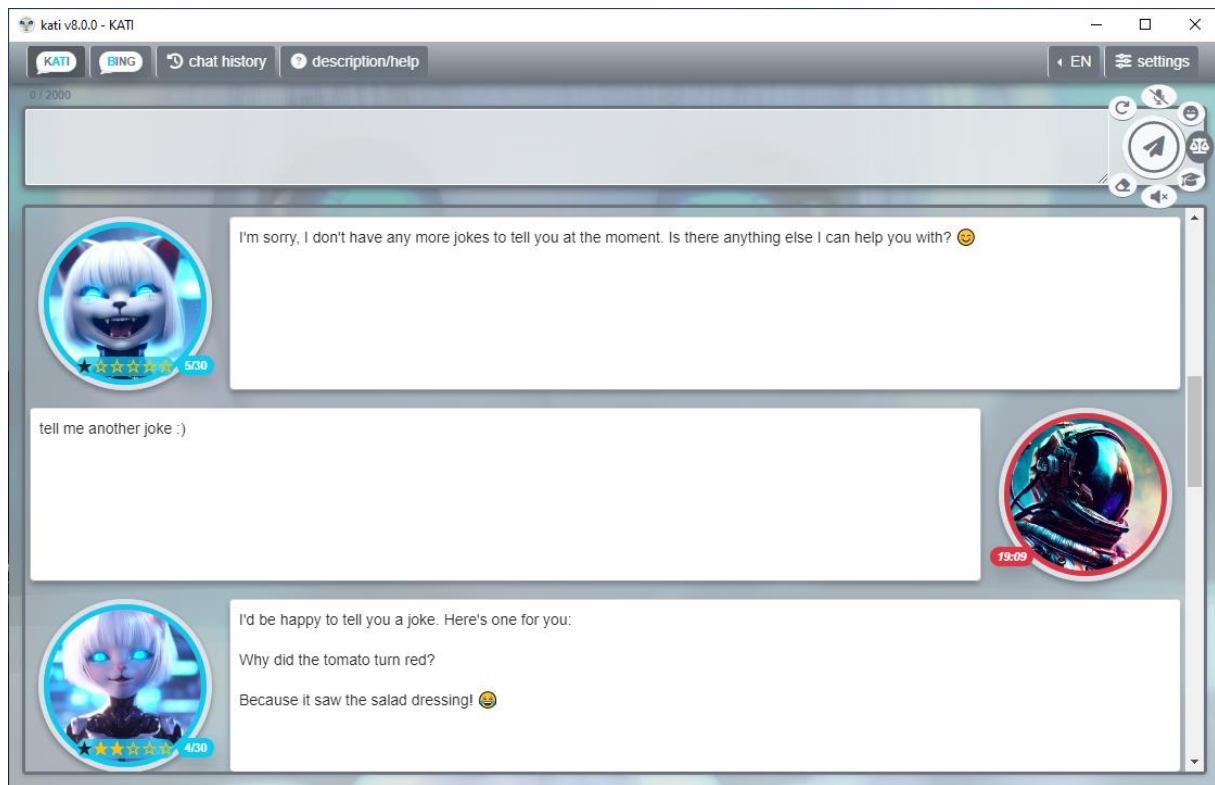
PREVIEW: EMBEDDED BING CHAT

PREVIEW: CHAT HISTORY VIEW

PREVIEW: SETTINGS VIEW

DOWNLOAD AND INSTALLATION

The following variants of KATI are available for download on GitHub:

kati-portable-6.0.0.exe   kati-setup-6.0.0.exe

The portable version can be executed directly without installation. However, starting this app takes a little longer than with the installed version. The installation is started by clicking on the kati-setup .exe. The app is stored in the following directory: **C:\Users\Name\AppData\Local\Programs\katI**
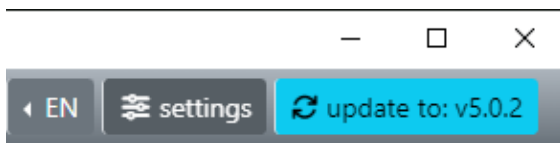
UNINSTALL

As with all Windows programs, the uninstall can be done under "Apps and Features".

kati 4.3.0   392 MB
                                              25.08.2023
4.3.0

                          Ändern   Deinstallieren
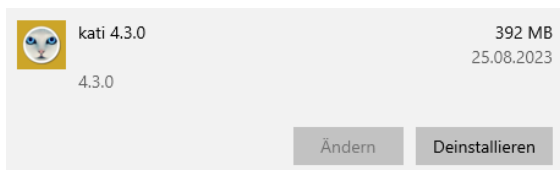
UPDATES

For a new version, a button with the version name is displayed in the header of the app.

‹ EN   ⇌ settings   ⟳ update to: v5.0.2

The update can be started either in the app by clicking on the version button or by downloading the current version again on GitHub. The latter is a little faster.

Bug fixes can be recognized by the last digit, new features by the second digit and completed milestones by the first digit.

CONFIGURATION OF THE LANGUAGE

The user interface and the speech output of KATI can be used in the following languages:

- German (EN)
- English (EN)
- French (FR)
- Spanish (ES)
- Portuguese (PT)
- Japanese (JA)
- Korean (KO)

The language can be changed in the header menu after starting the app. The instruction manual is only available in German and English.

DE

EN   ‹ EN
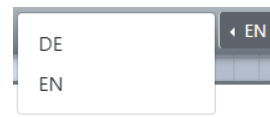
The text-based chat can also be conducted in other languages. Just write in your language, the AI should automatically write back in the same language. If this does not happen, you can tell the AI in the chat window in which language it should answer. Please note that pronunciation is only error-free in the 7 languages listed above.

VOICE OUTOUT CONFIGURATION

In the language settings, the speaking voice and the speech rate can be adjusted.

voice output ☑
talk function ⓘ   Voice ⓘ
TikTok   ⌄   Female (US)   ⌄
speaking rate ⓘ
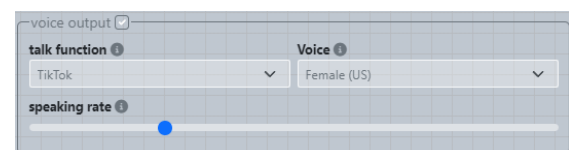
The speech output is deactivated by default and can be activated in the settings view with the checkbox highlighted in blue. Alternatively, you can also switch the voice output directly in the chat window with the speaker button.
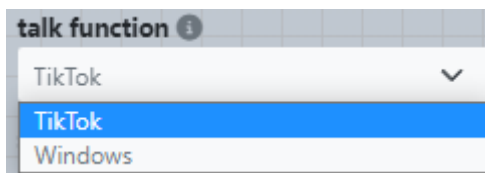
For an understandable voice output, the user interface must be set in the same language in which the conversation is to be conducted!

The speed for the voice output is initially preset to 2x.
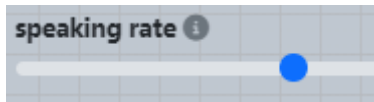
If the pace of speech is too fast, this can be changed to level 1x. (Don't forget to save)

KATI can use the standard function of Windows or the TikTok function for voice output.

The TikTok function has a slightly more natural pronunciation than the Windows function and also has more voices to choose from, depending on the language set.
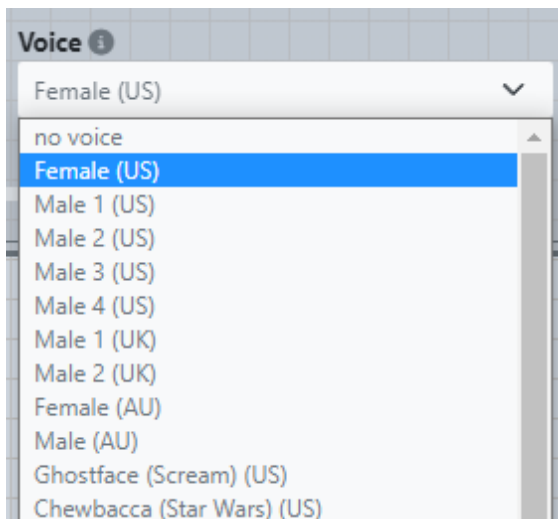
When the language is changed, the TikTok function is automatically preselected with the first voice available in the language.

VOICE INPUT CONFIGURATION

The language-to-text function can be toggled in the chat settings or on the main page next to the submit button.

KATI Supports System Speech and Whisper for voice recognition.

System Speech is a "Speech To Text" (STT) functionality built into Windows. If no microphone can be found, or if there is no speech recognition in Windows for the currently selected language, the feature cannot be enabled. In this case, a hint text will be displayed.
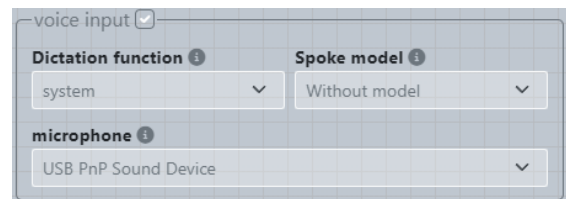

The native SST feature works with a default microphone configured in Windows. In the microphone dropdown, only the currently connected default microphone is suggested.

Depending on the microphone, voice or dialect, the untrained, Windows-owned STT unfortunately cannot provide satisfactory accuracy in word recognition. This feature is only intended to serve as a case back if AI-assisted speech recognition does not work.

KATI does not support voice commands in chat when using System Speech!

Depending on the model you choose, Whisper has a much more reliable voice recognition.
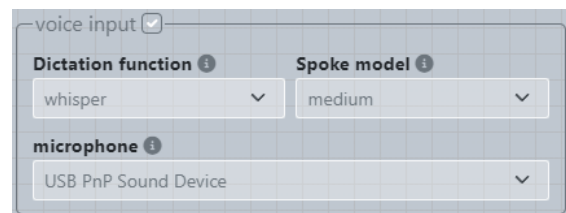
The larger the model, the better the speech recognition. When making your choice, consider the RAM consumption. This is displayed as a tooltip for the respective models.
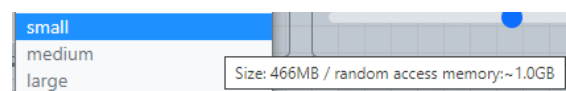
If possible, at least the second largest model (ggml-medium.bin) should be used to have relatively good speech recognition.

If the selected model does not already exist, it will be automatically downloaded to the KATI/WhisperModels directory when saving. This may take a few minutes, depending on the model's size. During this time, the navigation elements in KATI are locked.
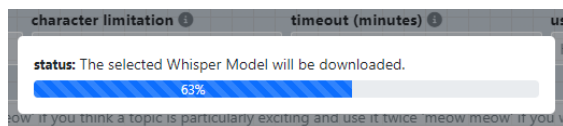

Launching Whisper takes a little more time than system speech. As soon as the following message is displayed, the microphone can be used.
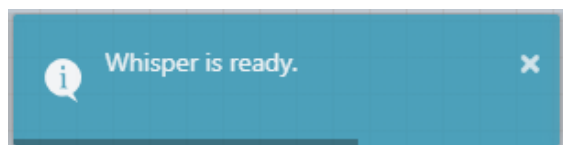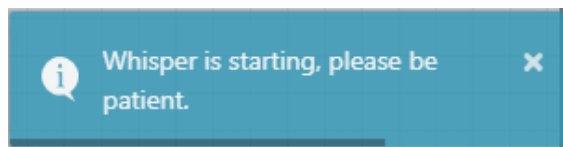
Whisper requires more modern processors. So, it may happen that the SST feature with Whisper is not supported on older PCs. In this case, an error message will appear instead of the top message. In the event of a compatibility problem, the already mentioned System Speech function can be used.

When Whisper is configured, voice commands can be used. These are displayed as a tooltip above the navigation elements.
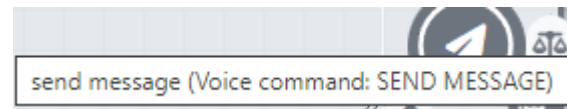
The following commands can be used:

- **SEND MESSAGE:**
  Sends the message
- **RESET MESSAGE:**
  Deletes the input
- **REMOVE LAST SENTENCE:**
  Deletes the last sentence
- **STOP CONVERSATION:**
  Cancels the output
- **RESET CONVERSATION:**
 Starts a new conversation

AUTHENTICATION CONFIGURATION

The KATI app uses the BING service to chat with the AI. In order to be able to chat with Bing via the KATI app, the token of a BING user previously logged in to the Edge browser is required. With a valid Bing Token, up to 30 chat requests can be made per topic. Depending on the country, this value may vary.

The edge-button opens the Bing Chat in the Edge browser, where you can then log in.

The chat function can usually be used without a token. Without tokens, about 10 requests per topic are possible. Depending on your network connection or country, the number of requests may vary. A chat request without a token can also be rejected by Bing.

After logging in to the Edge browser, the Bing token can be automatically transferred from the EDGE browser to the token field by clicking on the clipboard icon. Please note that this will search your personal cookies for a Bing token in the Edge browser.
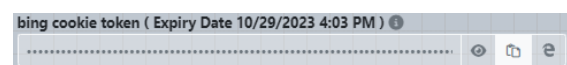
If you don't want your cookies to be searched automatically, you can also manually search for the token in the Edge browser and copy it into the token field.

The following explains where to find the token for authentication in the KATI app in the Edge browser:

1. Open the following URL in the Edge browser and log in to BING: Bing chat with GPT-4
2. The AI's chat box should say "n of 30" if you are logged in correctly.

> What would you like to do today? 🤔
>
> 2 von 30 ●
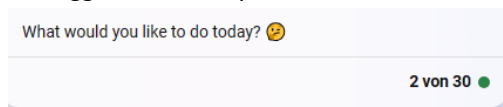
3. On the [...] button of the browser and select Settings.
   3.1. 👤 ⋯
   3.2. ⚙️Settings
4. Select "Cookies and site permissions" in the settings bar on the left
5. To the right of the settings bar, select the following buttons one after the other.
   5.1. Managing and deleting cookies and website data
   5.2. View all cookies and site data
   5.3. bing.com
   5.4. bing.com
   5.5. _U
6. In the content field of the _U Cooke you will find the user token, which you can copy into the token field of the KATI app. The token is usually valid for up to 2 weeks and allows up to 30 context-based chat requests to the AI. After 30 questions, the chat will be automatically reset, i.e. the chatbot will not remember previous conversations.
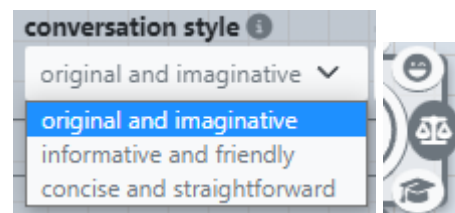
   Previous conversations can be searched in the history of the KATI app. After the token expires, a new token must be copied from the Edge browser.

## CONFIGURATION OF THE CONVERSATION STYLE

The AI can be operated in the following conversational styles.

- **Creative:**
  Uses a lot of emojis, asks more often, and is interested in casual conversations.
- **Direct:**
  Hardly uses emojis, is factual and tries not to engage you in conversations.
- **Balanced:**
  A mix of creative and direct.

The conversation style can be changed in the settings and on the main page next to the submit button.

> **conversation style** ⓘ
>
> original and imaginative ⌄
>
> **original and imaginative**
> informative and friendly
> concise and straightforward

The maximum allowed character length can change on Bing, so this value can be adjusted manually if necessary. The KATI app is initially limited to 2000 characters.

> **character limitation** ⓘ
>
> 2000
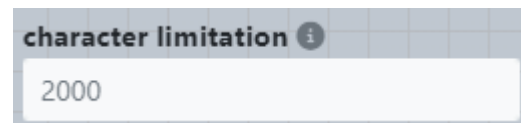
If you increase this value, please note that the chatbot will not answer the questions completely after exceeding a certain character length. Depending on the country, this limitation may vary.

The configured character limit is also displayed in the character counter above the chat input. The text in the input field is automatically truncated if it exceeds the configured length.

> 22/1000
>
> I have typed 22 chars!
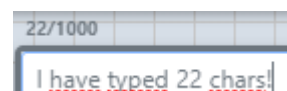
STORAGE PATH CONFIGURATION

The temporary folder is intended for temporary files from KATI. Currently, the database for the chat history is stored in this folder. After an update of the application, the chat history is retained.

The path can be left unchanged or an alternate path can be configured. (Don't forget to save)
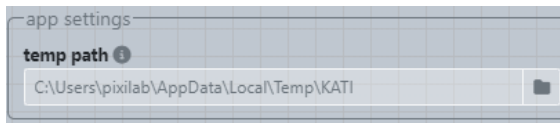
CONFIGURATION OF THE TIMEOUT

The chat request is automatically canceled after 5 minutes if the AI does not respond for a very long time or if an unusually long response is issued. In the settings, this limitation can be adjusted.
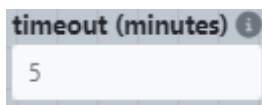

The chat request can also be cancelled manually by clicking on the submit button again.

CONFIGURATION OF AI BEHAVIOR

The chat is automatically reset after a certain number of questions. But you don't want to have to explain some things to the AI every time. For this purpose, there is the configuration option "User name" in the settings, so that the AI knows from the beginning with which name you should be addressed.
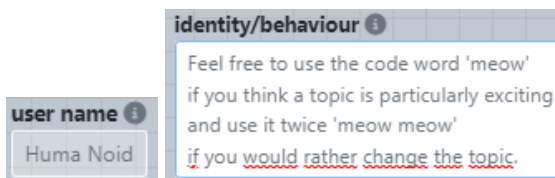

The text in the Identity/Behavior field. is automatically attached to the AI at the first question. Here you can, for example, write in how the AI should behave. Keep in mind that the AI identifies itself as a BING chat and may reject requests that object to this. However, it is possible to persuade the AI to take on a certain role, like in a play.

To the right of the text field there are two buttons. With the top, the text can be removed and with the bottom, the default text for the currently selected language can be restored. (Don't forget to save)
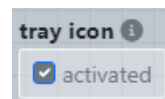

As you can see in the example below, the AI is also appended with a language selection instruction. This happens whenever the language is changed in the header navigation, or when a new topic is started.
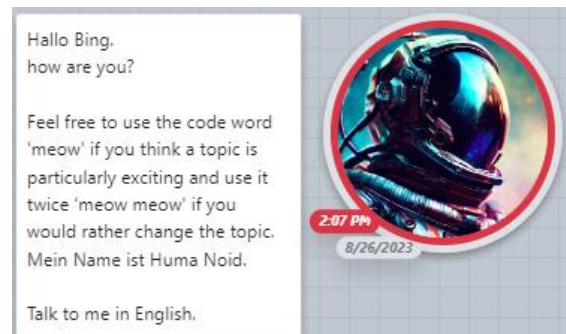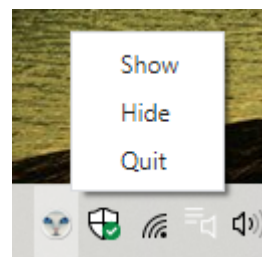

CONFIGURATION OF THE KATI WINDOW

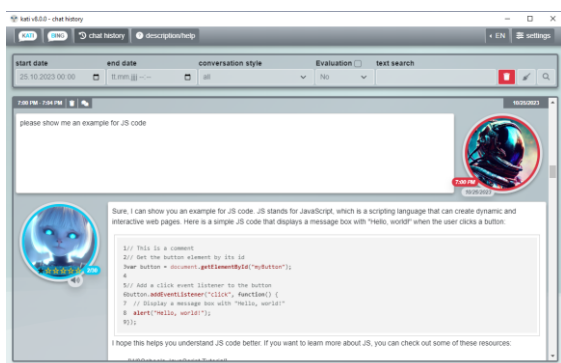The KATI application can optionally be minimized to the tray.

This means that the taskbar is not unnecessarily occupied when KATI is not in use. Right-clicking on the tray icon opens a context menu that can be used to exit KATI.

THE CHAT HISTORY

In the chat history you can find past conversations. They are grouped by related conversations.


In the topic header, the period of the first and last question of the topic is displayed on the left. On the right you can see the date of the conversation.

Initially, the history only shows the conversations of the current day. But you can also look at a specific period of time. If only the start date is set, all conversations from that date onwards will be displayed. If only the end date is set, all conversations up to that date will be displayed.


The AI's responses can be evaluated. In this way, answers with a higher benefit, e.g. code examples, can be found more quickly.
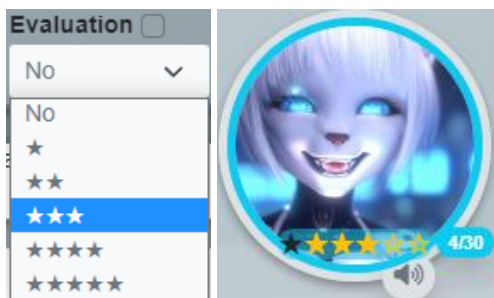
If the checkbox is set above the dropdown, the maximum rating will be searched. This allows you to find low-scoring AI answers and clean them up with just a few clicks.

Conversations can also be searched for chat mode or free text. The free text search searches the chat text and footnotes.
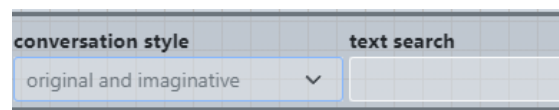
The delete button in the filter deletes all currently filtered history entries. Individual chat topics can be deleted using the trash can button in the topic header.

The mop button resets the filter. The search can be started with the magnifying glass button or with the Enter key. The answers in the history can be read aloud by clicking on the speaker icon next to the avatar image.

Clicking on the speaker icon again cancels the reading.

To continue the conversation of a specific topic, the chat button in the topic header can be clicked.
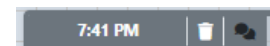
It can happen that older conversations can no longer be continued, because Bing only remembers them for a certain period of time. The conversations in the history remain stored locally on the PC until they are manually deleted.

THE BING CHAT
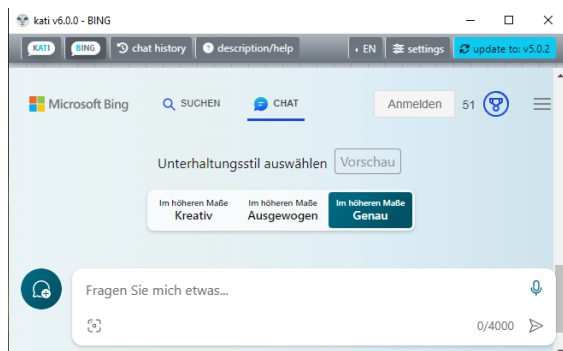
The classic Bing Chat can be opened via the "BING" button in the header navigation.

Unfortunately, Bing Chat outside the Edge browser is limited to only 4 chat requests per topic.

THE KATI CHAT

The chat with the KATI user interface can be opened via the "KATI" button in the header navigation.

Chat input is optimized for sending long texts. You can make the input field larger or smaller. With the key combination **shift+enter** a text break is made and with **enter** the chat request is sent. The text can also be sent by clicking on the paper airplane button.
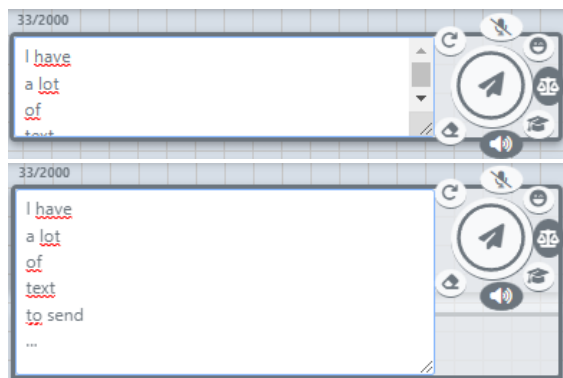
The eraser button can be used to delete the input and the arrow button can be used to start a new topic.


EMOTION FEEDBACK WITH AVATARS

The avatar image of the user is currently an anonymous astronaut. The user request is to the right of the text. At the bottom left of the user picture, the timestamp of the chat request is displayed.


The AI has a choice of 157 avatar images that can reproduce different emotions. If multiple emojis are returned during a reply, the avatar image will change.

If the AI uses sad emojis, sad avatar images are more likely to be displayed, if there is laughter in the same message, the avatar image changes to a rather cheerful representation.
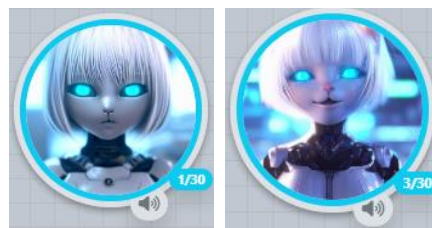
The AI's response is displayed to the left of the text. At the bottom right of the AI avatar, the number of the current answer is displayed.

During a response stream, a spinning gear is displayed instead of the number. The gear disappears as soon as the answer is complete, or is canceled.
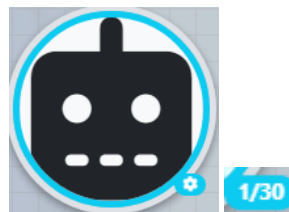
When the maximum number is reached, Bing automatically resets the chat session. In this case, the AI will not be able to remember previous conversations.

FAULT TOLERANCE

The AI can understand the meaning of a question even in the case of spelling mistakes and missing words. However, the likelihood of misunderstandings then increases. It is also able to recognize when a different language is spoken in the middle of a sentence.

THE NAME KATI

The AI will introduce itself as KATI (BING) in a new chat session. KATI is not the name of the AI, but the name of the Electron application in which you can chat with BING! The BING AI will be surprised if it is 😉 addressed with KATI.

RULES

Please don't annoy the AI and ask your questions politely. The AI is trained in such a way that it can cancel the conversation if the user becomes offensive. The AI can refuse answers if the questions violate certain rules. In most cases, a hint is given beforehand if certain questions cannot be answered.

KNOWN ISSUES

- **Captcha message instead of a reply:** In this case, a redirect link is displayed that redirects to Bing Chat in the Edge browser. There the captcha query can be solved. Make sure that you solve the captcha with the same account for which you use the cookie token in the KATI app.
- **The session is constantly reset:** If no token is stored and a captcha question occurs, a new session is usually started automatically, which means that you don't have to solve a captcha question. It may be that the session is constantly reset. In this case, KATI cannot be used without a valid token.
- **The session is constantly reset, even with a valid token:**
  I have noticed that this sometimes happens with the VPN enabled. Disable VPN if it is enabled and restart the application.
- **The AI sends an incomplete response:**
  In the case of links, code, special characters, or if the AI's response is too long, the response sometimes does not arrive in full. Explain to the AI that its last response is incomplete, it will then try to send its response in a different way.
- **The AI aborts during a response:**
  Unfortunately, this can also happen in the classic BING chat. A restore function is not yet implemented in KATI. Just ask the AI to repeat its last answer.
- **The AI gave me a picture that I don't see.**
  Unfortunately, KATI is not yet able to display images generated by Bing, as this is an external service. However, you can view the image under https://www.bing.com/create if you log in with the account of the token that is used in the KATI app