

Official Chatterbot Assistant Documentation

CITS3200

Team 41 (purple)

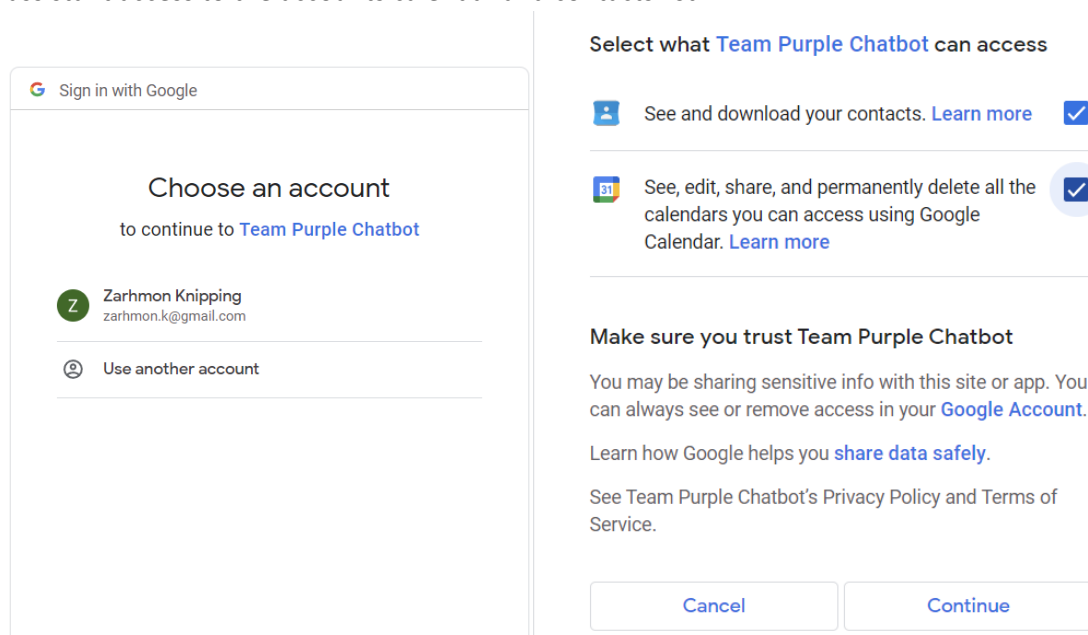
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Installation

Authenticating with google

On first use of the assistant program the login button will open a google third party app verification. Select the Gmail account to be linked, press continue to proceed, tick both boxes allowing the assistant access to the accounts calendar and contacts list.

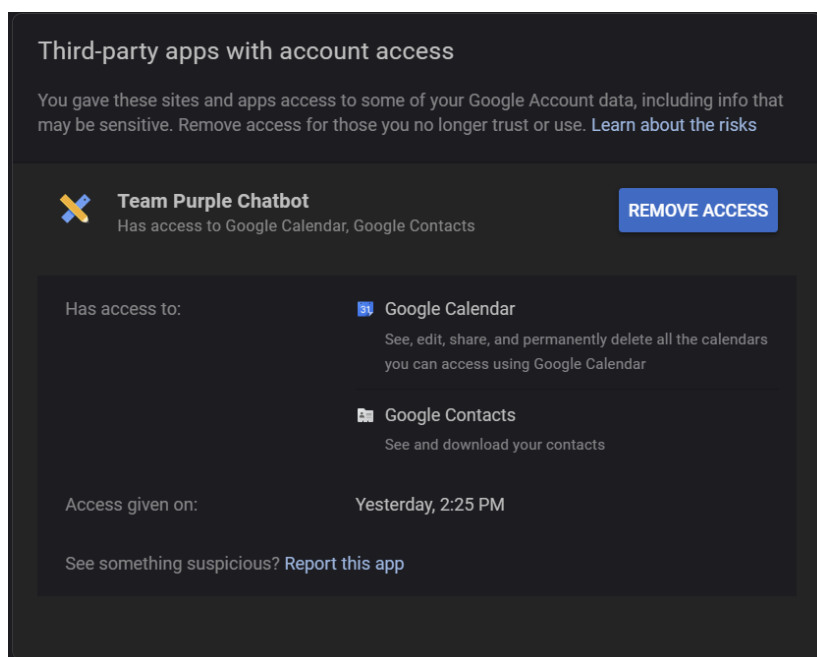


The screenshot shows the Google authentication interface. On the left, a 'Sign in with Google' window prompts the user to 'Choose an account' to continue to 'Team Purple Chatbot'. It lists the account 'Zarhmon Knipping' (zarhmon.k@gmail.com) and an option to 'Use another account'. On the right, a panel titled 'Select what Team Purple Chatbot can access' shows two permissions: 'See and download your contacts' and 'See, edit, share, and permanently delete all the calendars you can access using Google Calendar'. Both permissions are checked. Below this, a section titled 'Make sure you trust Team Purple Chatbot' provides information about data sharing and links to Google's privacy policy and terms of service. At the bottom are 'Cancel' and 'Continue' buttons.

To view third party applications with access within google; settings > security > Third-party apps with account access. Permissions can be removed or modified from here.

Direct link:

<https://myaccount.google.com/permissions?continue=https%3A%2F%2Fmyaccount.google.com%2Fsecurity%3Fpli%3D1>



The bot will require to be authenticated weekly and users will be promoted by the initial process.

Functionality

Avatar Creation

Users have the option to create and save their own avatar that can be displayed within the application. The options available are:

Hair style	Shirt style
Hair colour	Shirt colour
Skin type	Accessories
Eye type	Mouth type
Eyebrow shape	Facial hair type

The randomise button will create a unique avatar for the user.

Avatars will be remembered between sessions and can be updated at any time by the user. Clicking the login button in the creation interface will save the selected avatar.

Drop Down Options Button

Clear Chat Window

This button will clear the currently displayed messages shown in the display window. This cannot be undone.

Log Out

This will return the user back to the avatar creation page of the application.

Hush Mode

This button will minimize the application but still allow the timer/reminder function to stay on the screen. The user may manually minimize these displays.

Alarm

A new window will be displayed, and users can create a timer by entering a time in minutes into the Set Time field. A reminder message may also be created in the second field. This will prompt the user when the time has expired.

About Us

This will take the user to the official GitHub page of the project where the project was created. This document can also be found there.

Help

The help button will open a new window with a list of the functionality commands the user will be able to use to get a response from the assistant. These features can also be found further in this document.

Chatbot Functionality (Keywords)

Profanity & Safe Word

A profanity and safe word filter have been implemented; this keeps the bot from discussing topics that may give away personal information. The bot will tell the user to change the subject after these words have been brought up by the user.

Bot Information

The key words “about” and “yourself” are used to trigger the bot into disclosing one of the features or an interesting fact about the bot. There are currently 12 responses to these key words.

User
Tell me about yourself

Assistant
I can translate over 100 languages! Try it by starting a sentence with the word 'Translate' followed by another language!

Scholar Search

The keyword statement “scholar search” followed by a search term will result in the bot fetching the top 10 relevant google scholar searches to the user. These responses will appear in hyperlink form and when clicked will open the browser directly to the relevant page.

User
Tell me about yourself

Assistant
I can translate over 100 languages! Try it by starting a sentence with the word 'Translate' followed by another language!

Google Search

The keyword “search” followed by a search term will return the top 10 relevant google searches to the user. These responses will appear in hyperlink form and when clicked will open the browser directly to the relevant page.

User
search the beatles

Assistant

1. [The Beatles - Wikipedia](#)
2. [Beatles | Members, Songs, Albums, & Facts - Encyclopedia Britannica](#)
3. [The Beatles](#)
4. [The Beatles - Don't Let Me Down - YouTube](#)
5. [The Beatles - I Want To Hold Your Hand - YouTube](#)
6. [The Beatles - Help! - YouTube](#)
7. [The Beatles - Facebook](#)
8. [The Beatles Albums - Rate Your Music](#)
9. [The Beatles Songs, Albums, Reviews, Bio & More - AllMusic](#)
10. [The Beatles | Spotify](#)

Weather & Time

The keywords “what” and “weather” followed by a city name will fetch time and current weather conditions of the city. This works for international and national cities and towns.

```
User
What is the weather in darwin

Assistant
The weather in Darwin NT at Friday 4:00 pm is Partly cloudy at
temperature 33 °C
```

Translator

The keyword “translate” followed by a non-English language will return the translation in English. This works for over 100 languages.

```
User
translate Kon'nichiwa

Assistant
Hello
```

Language Detection

The keyword statement “what language is” followed by a non-English language will return the detected language. This works for over 100 languages. It will also return a confidence level that the language returned is correct.

```
User
What language is Kon'nichiwa

Assistant
Detected(lang=ja, confidence=1)
```


Maps

The keyword statement “where is” followed by a location will prompt a search in the background. This will return an image of the google maps search result and provide a hyperlink button. This button will take the user to the map directions page of the result.



Contact Book

The keyword statement “get contact” followed by a person’s name that is stored in the accounts google contacts list will return their first and last name, email and their phone number.

```
User
get contact test

Assistant
Test User
Test@gmail.com
+6147777777
```

Calendar

The keywords “what” and “coming up” will show the users next 10 events in their google calendar.

```
User
What is coming up

Assistant
This is what your calendar looks like
2022-10-14T18:00:00+08:00 Group Pitch Video
2022-10-16T14:00:00+08:00 Professional Computing Meeting
(Discord)
2022-10-17T10:00:00+08:00 Secure Coding Workshop (CHECK)
2022-10-17T11:00:00+08:00 Professional Computing Lecture
2022-10-17T16:00:00+08:00 Project Stops
2022-10-18T09:00:00+08:00 Changing World Tutorial
2022-10-18T09:45:00+08:00 Changing World Team Meetings
2022-10-18T16:00:00+08:00 Client Meeting
2022-10-19T10:00:00+08:00 Discrete Structures Lecture
2022-10-19T12:00:00+08:00 Secure Coding Lab
```

Add Calendar Event

The keyword statement “add to calendar” followed by



Reminder

The keyword “reminder” can be used to prompt open the reminder/timer window from the options drop down.

Jokes

Riddles

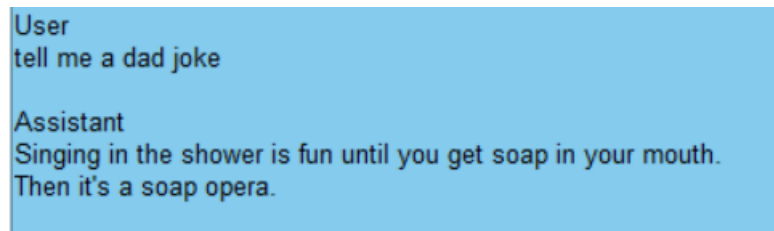
If the user message contains the keyword “riddle” the assistant will tell the user a riddle

Puns

If the user message contains the keyword “riddle” the assistant will tell the user a pun.

Dad Jokes

If the keywords “dad” and “joke” are in the message the assistant will return a dad joke.



User
tell me a dad joke

Assistant
Singing in the shower is fun until you get soap in your mouth.
Then it's a soap opera.

Adult Jokes

If the keywords “adult” and “joke” are in the message the assistant will return an adult joke.

Knock Knock Jokes

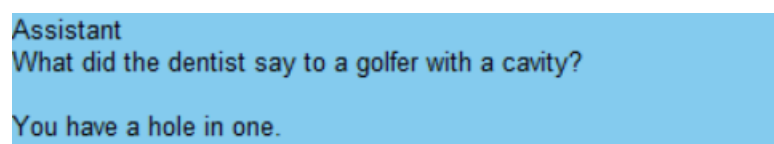
If the keywords “knock knock” and “joke” are in the message the assistant will return a knock knock joke.

Computing Jokes

If the keywords “computing” and “joke” are in the message the assistant will return a computer science joke.

Dentist Jokes

If the only keyword present is “joke” then the bot will default to the library of dental related jokes.



Assistant
What did the dentist say to a golfer with a cavity?
You have a hole in one.

What needs work still

- Pun and tongue twister joke libraries in bot
- Need example and how to add calendar events in documentation
- Timer bug fix in bot?
- Need maps example for documentation