Report Bored-chatbot project

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Link of the GitHub repository : flofl-source/ChatBotProject (github.com)

The chatbot subject:

Our chatbot provides users some activities they can do when they are bored. They can add some criterias in their queries to the chatbot :

- alone or with other participants,
- with a price indication (for instance for free, expensive),
- with different accessibility levels (for instance an activity easily accessible or something to do as a challenge).
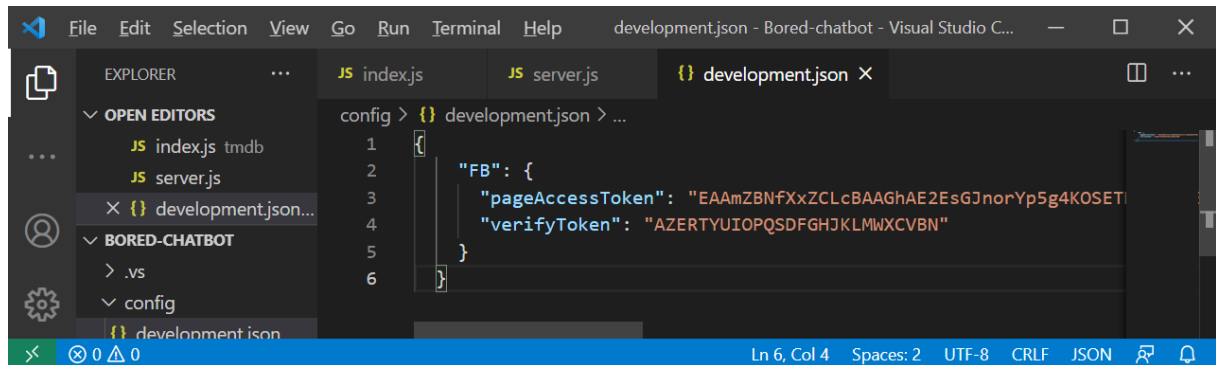
To this, we used the Bored API.

How to use the chatbot:

To make our chatbot work, we set it up on Facebook for Developers. We first created our "bored chatbot project" facebook page, that we inserted in the messenger settings of our Facebook Chatbot.
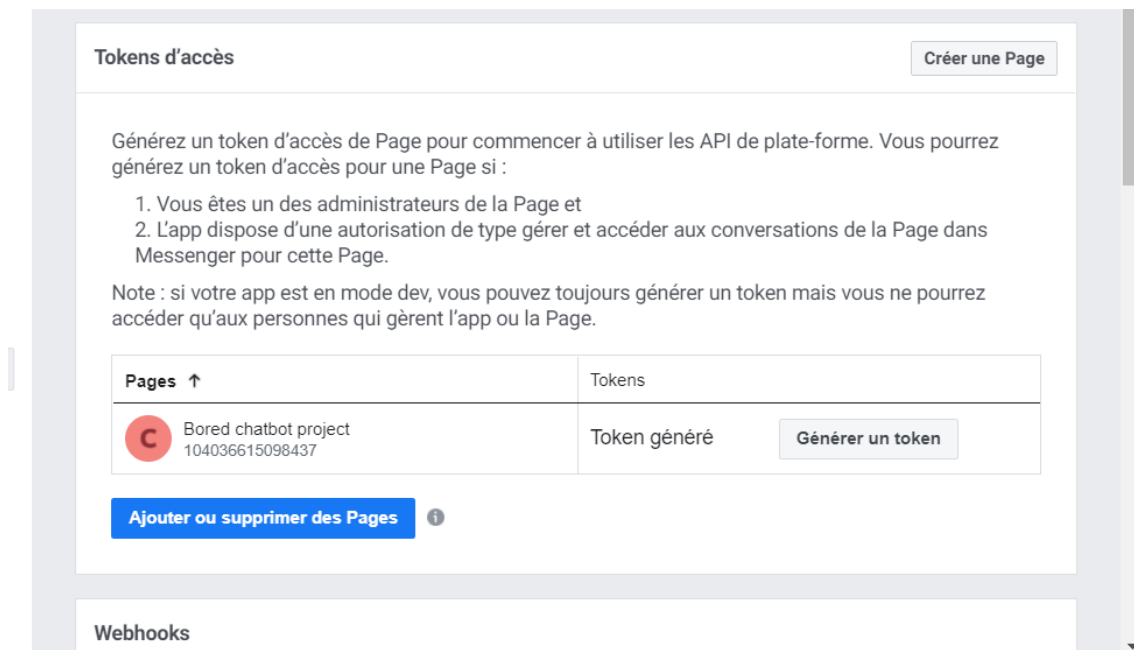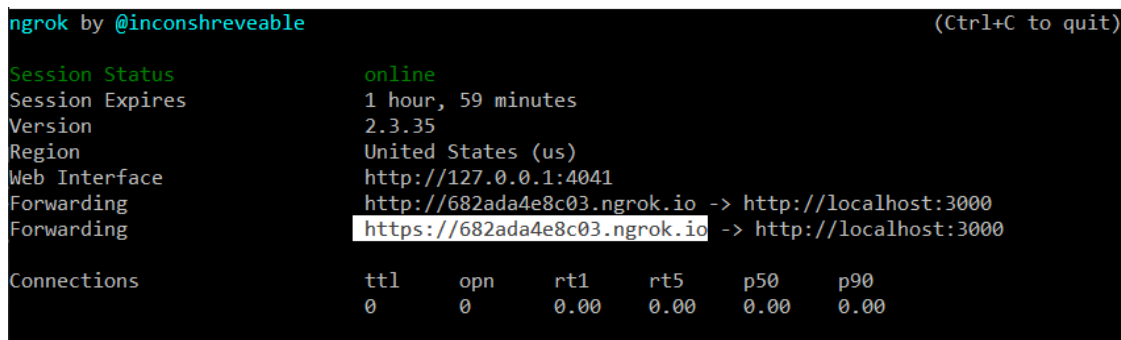
We generate a token for our page which is specified in our development.json file below.

After doing 'ngrok http 3000' in our terminal, we took the reminder URL as we can see in this example (just to illustrate).
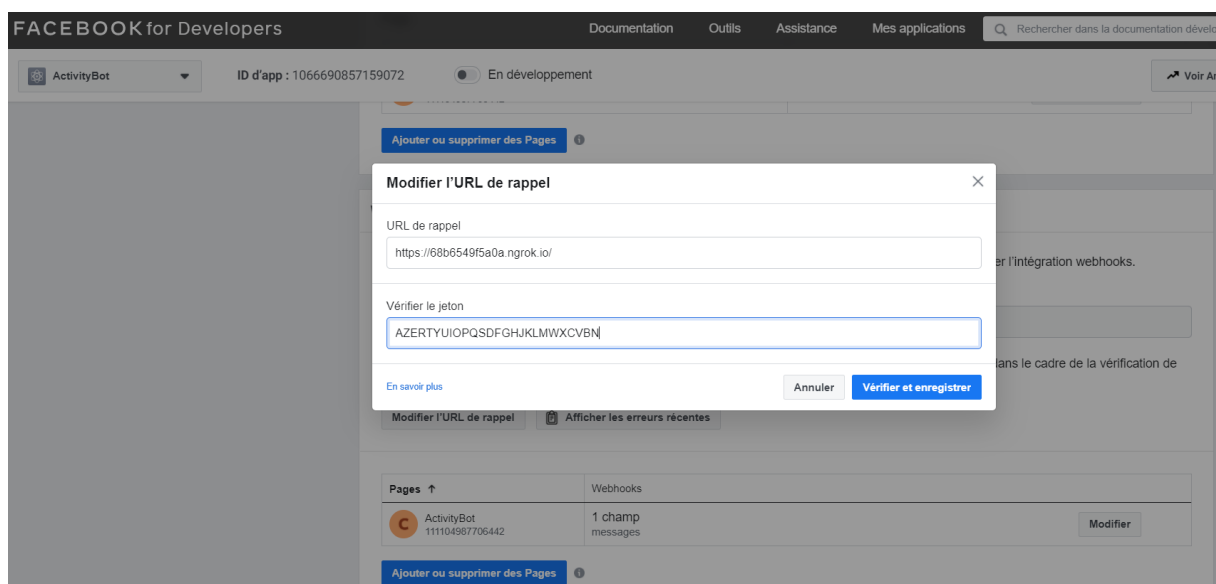

Then we activated Webhook by entering this generated URL and the VerifyToken in the right section. We before need to launch the server.js in a terminal with the command : nodemon server.js.

After connecting the page to Webhook, we accept the messages coming from messenger in the "Modify" section of the Webhook area :
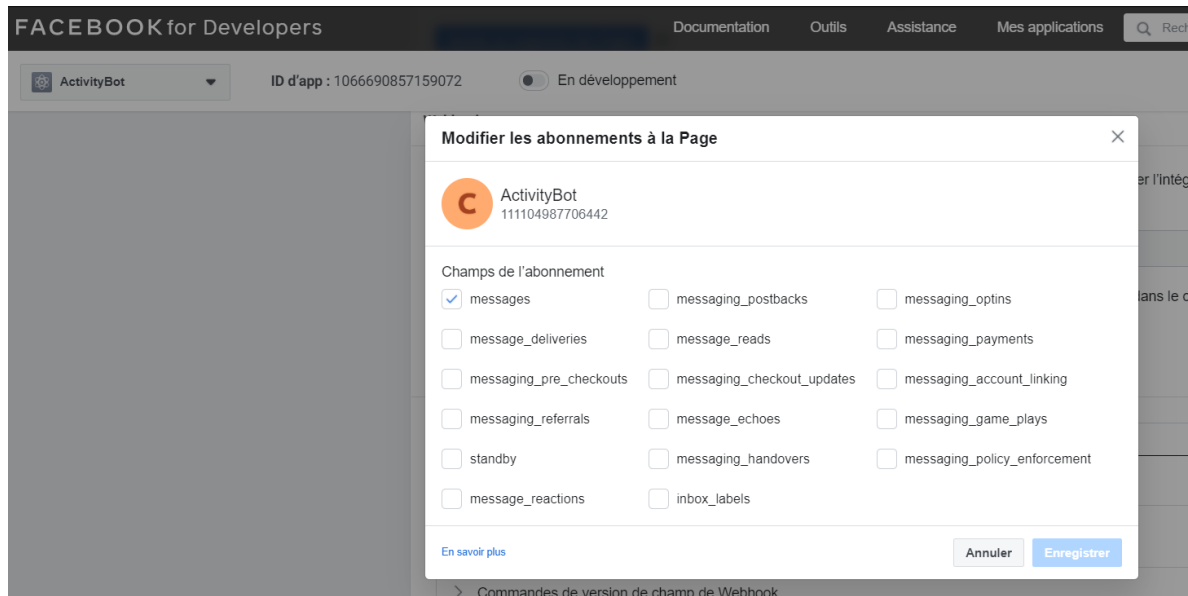
To use the app we've trained with wit.ai, we need to add this token access of our wit application : 7D4EM654F42DM5JUP6J3RQ2GSMRG7QZW
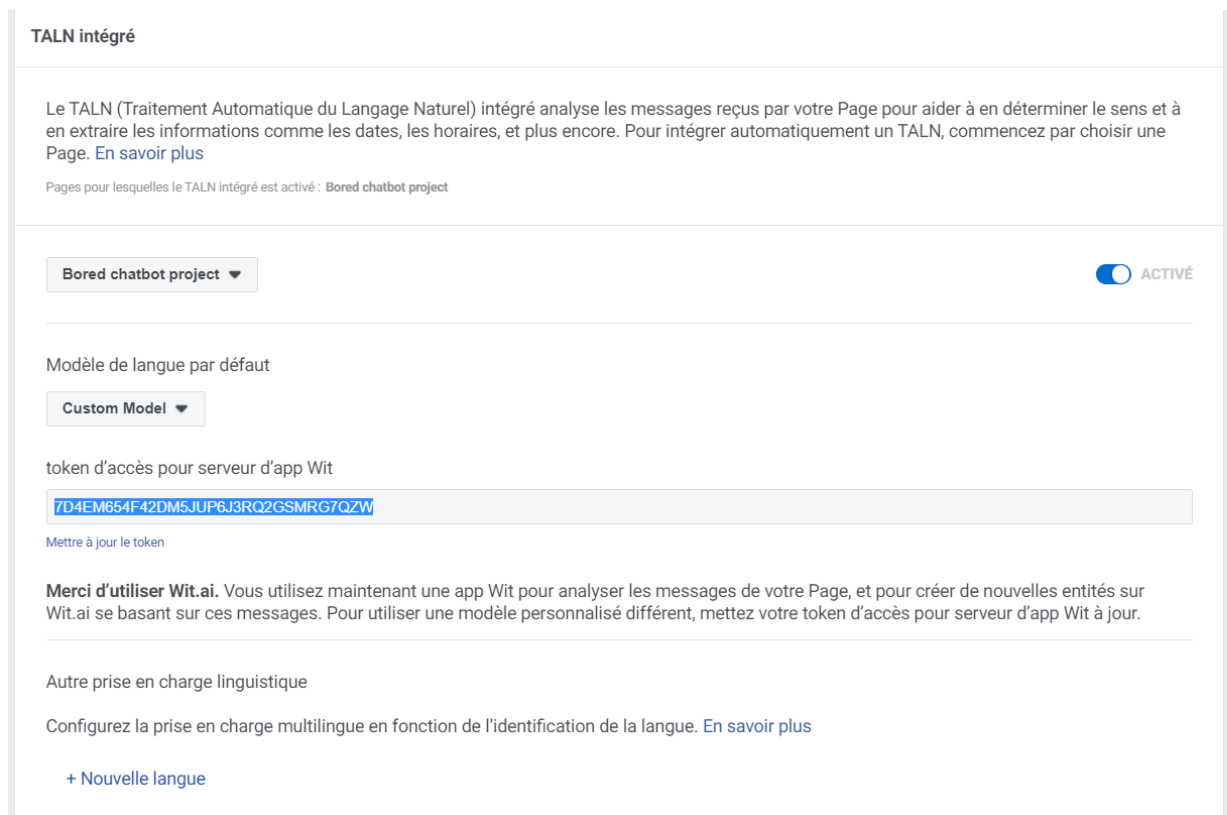
Finally, we can talk with our chatbot on messenger !

Template file for communicating with our chatbot:

- **Scenario 1** : Suggest an activity
- Hello > Welcome ! if you are bored, I can give you some ideas of awesome activities

- What can I do ? > You can do the following activity : Learn how the internet works
    - ❖ It needs 1 participants
    - ❖ Price level : 0
    - ❖ Accessibility level : 0.1

- **Scenario 2** : Suggest an activity + participant criteria
- Hey >Welcome ! if you are bored, I can give you some ideas of awesome activities. [Image]
- What can I do with Sarah ? > You can do the following activity : Cook something together with someone
    - ❖ It needs 2 participants
    - ❖ Price level : 0.3
    - ❖ Accessibility level : 0.8
- Thank you, Bye > It was nice to talk with you ! Come back soon ❤️

- **Scenario 3** : Suggest an activity + accessibility criteria
- Hello >Welcome ! if you are bored, I can give you some ideas of awesome activities. [Image]
- What can I do as a challenge ? > You can do the following activity : Learn how to beatbox
    - ❖ It needs 1 participants
    - ❖ Price level : 0
    - ❖ Accessibility level : 1
- Thank you, Bye>It was nice to talk with you ! Come back soon ❤️
-

- **Scenario 4 :** Suggest an activity + price
- Hello >Welcome ! if you are bored, I can give you some ideas of awesome activities. [Image]
- What can I do for free? >You can do the following activity : Have a football scrimmage with some friends
  - ❖ It needs 8 participants
  - ❖ Price level : 0
  - ❖ Accessibility level : 0.2
- Thank you, Bye>It was nice to talk with you ! Come back soon ❤️

- **Scenario 5** : Suggest an activity + 2 criterias
- Hey > Welcome ! if you are bored, I can give you some ideas of awesome activities. [Image]
- What can I do with my 2 friends easily ? >You can do the following activity : Host a movie marathon with some friends
  - ❖ It needs 3 participants
  - ❖ Price level : 0.1
  - ❖ Accessibility level : 0
- What can I do alone without paying ? >You can do the following activity : Surprise your significant other with something considerate
  - ❖ It needs 1 participants
  - ❖ Price level : 0
  - ❖ Accessibility level : 0
- What can I do for free and easily ? > You can do the following activity : Make a new friend
  - ❖ It needs 1 participants
  - ❖ Price level : 0
  - ❖ Accessibility level : 0
- Thank you, Bye>It was nice to talk with you ! Come back soon ❤️

- **Scenario 6 :** Suggest an activity + 3 criterias
- Hello>Hey > Welcome ! if you are bored, I can give you some ideas of awesome activities. [Image]
- What can i do alone for free and easily ? > You can do the following activity : Make a new friend
  - ❖ It needs 1 participants
  - ❖ Price level : 0
  - ❖ Accessibility level : 0
- Thank you, bye ! >It was nice to talk with you ! Come back soon ❤️

- **Scenario 7 :** No correspondence
- Hello > Welcome ! if you are bored, I can give you some ideas of awesome activities. [Image]
- What can i do with my 2 friends for free and as a challenge ? > Sorry there's no correspondence for your request
- Thank you, bye ! >It was nice to talk with you ! Come back soon ❤️

- **Scenario 8 :** No sense request
- What is your name ? > Sorry, I didn't understand your request

Summary :

You can combine the 3 criterias in your research

1. the number of participants : by adding 'with my 2,3,4,... friends', 'alone' or 'with someone's name and …' .
2. The price level : by adding 'without paying', 'for free', 'expensive', 'affordable', …
3. The accessibility level : by adding 'as a challenge' or 'easily', 'easy', ...

If there is an activity corresponding to all the criterias specified, the chatbot will give you an answer but if it doesn't, it will alert you by saying 'there's no correspondence'. We put this message rather than let the message by default 'undefined' as a response in the chatbot.