

# ChatGPT

## INTRODUCTION:

ChatGPT is a large language model developed by OpenAi. It is capable of generating human-like text based on the input given to it. The purpose of this POC document is to replicate the functionality of the original ChatGPT developed by OpenAi.

## ASSUMPTIONS AND CONSTRAINTS:

The following assumptions and constraints will be considered during the POC:

- The Configuration-Based ChatGPT Webapp will be developed using the OpenAi API key for generating responses.
- Clone ChatGPT will be trained using the same data and configuration as the original ChatGPT.
- The POC will be conducted using a single instance of ChatGPT.
- The POC will be conducted on a test environment and not in a production environment.

## DELIVERABLES:

The following deliverables will be produced as part of this POC:

- In this POC clone app of ChatGPT using the OpenAi api key is only completed.
- The configuration based working is pending.

## API KEY:

To get the openai api key follow the below link:

- <https://platform.openai.com/account/api-keys>

## OPEN AI PLAN DETAILS:

- To explore and experiment with the API, all new users get free \$5 worth of free tokens. These [tokens](#) expire after 3 months.
- [Token](#):  
You can think of tokens as pieces of words used for natural language processing. For English text, 1 token is approximately 4 characters or 0.75 words.

- After the quota has passed you can choose to enter billing\_information to upgrade to a paid plan and continue your use of the API on pay-as-you-go basis.if no billing information is entered you will still have login access, but will be unable to make any further API request.

<b>Chat</b>	\$0.002/1k tokens	
<b>Fine-tuning models</b>	\$0.0004/1k tokens	
<b>Audio models</b>	\$0.006/minute	
<b>Image models</b>	<b>Resolution</b> 1024*1024 512*512 256*256	<b>Price</b> \$0.020/image \$0.018/image \$0.016/image

## TOOLS AND TECHNOLOGY USED:

The following tools and technology will be used in this POC:

- React-JS for Frontend
- Node-JS for Backend
- MongoDB for DataStore

## COMPILE AND RUN CMD:

To start the Backend Code use this cmd in root folder,

- npm start

To start the Frontend Code use this cmd in client folder,

- cd client
- npm run dev

**RISKS:**

The following risks have been identified:

- Clone ChatGPT may not be able to replicate the accuracy of the original ChatGPT, leading to inaccurate responses.
- ChatGPT may not be able to handle a large number of concurrent users, leading to performance degradation.
- The test environment may not accurately represent the production environment leading to differences in performance.