

Message/OTP sender using python

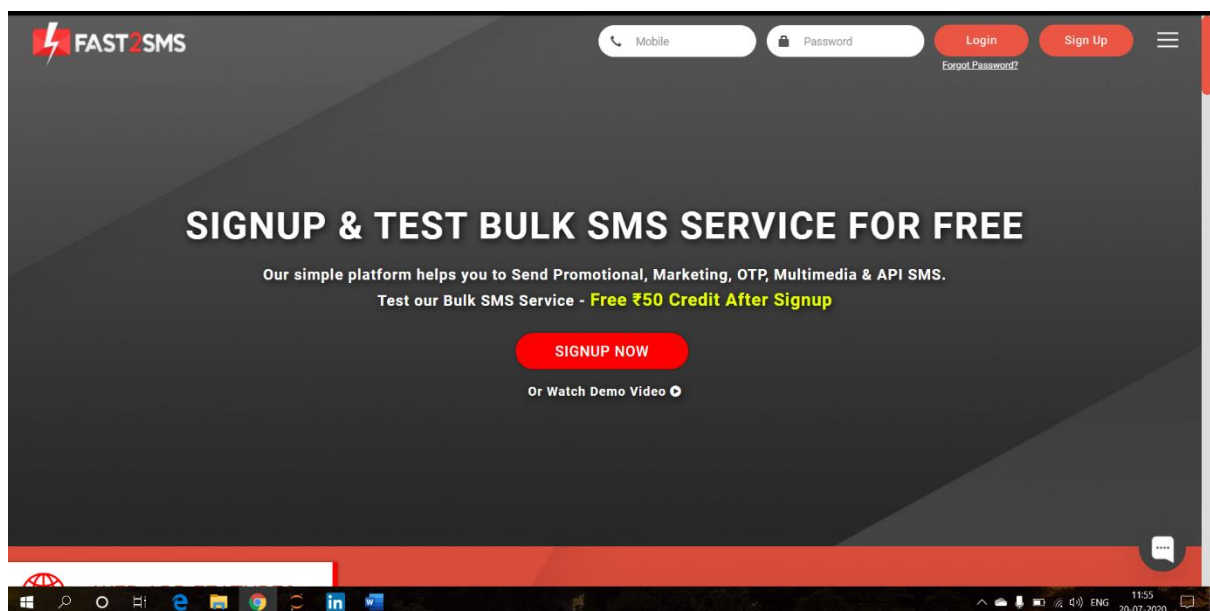
This is a mini project on python focused on sending text messages/OTP to any mobile number.

I have used here the Fast2SMS API to send text messages.

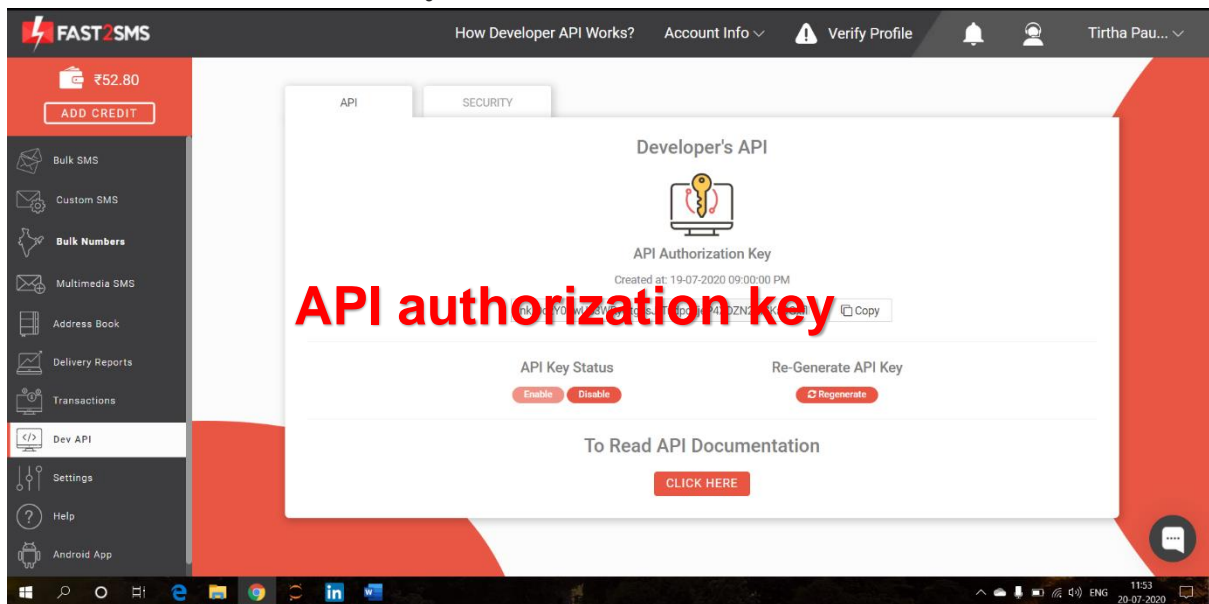
As it is a free service and I have opted for promotional text, the messages will only be delivered between 9AM to 9PM.

For sending OTP we will use flash messaging service and for normal text message we will use the normal text message feature.

At first you need to sign up on <https://www.fast2sms.com>



You will be assigned with an API authorisation key, which needs to be included in the Python code.

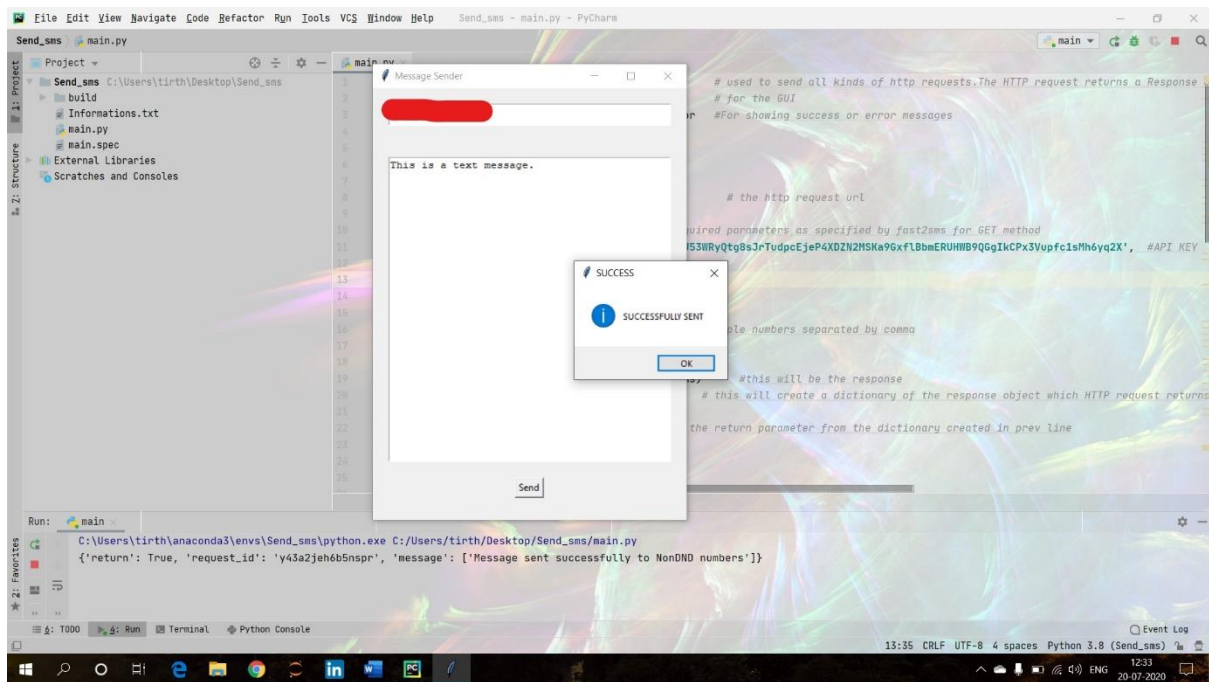


In the API documentation available on that same page below, you will get the various parameters required for different http request methods. Here we will be using the GET method.

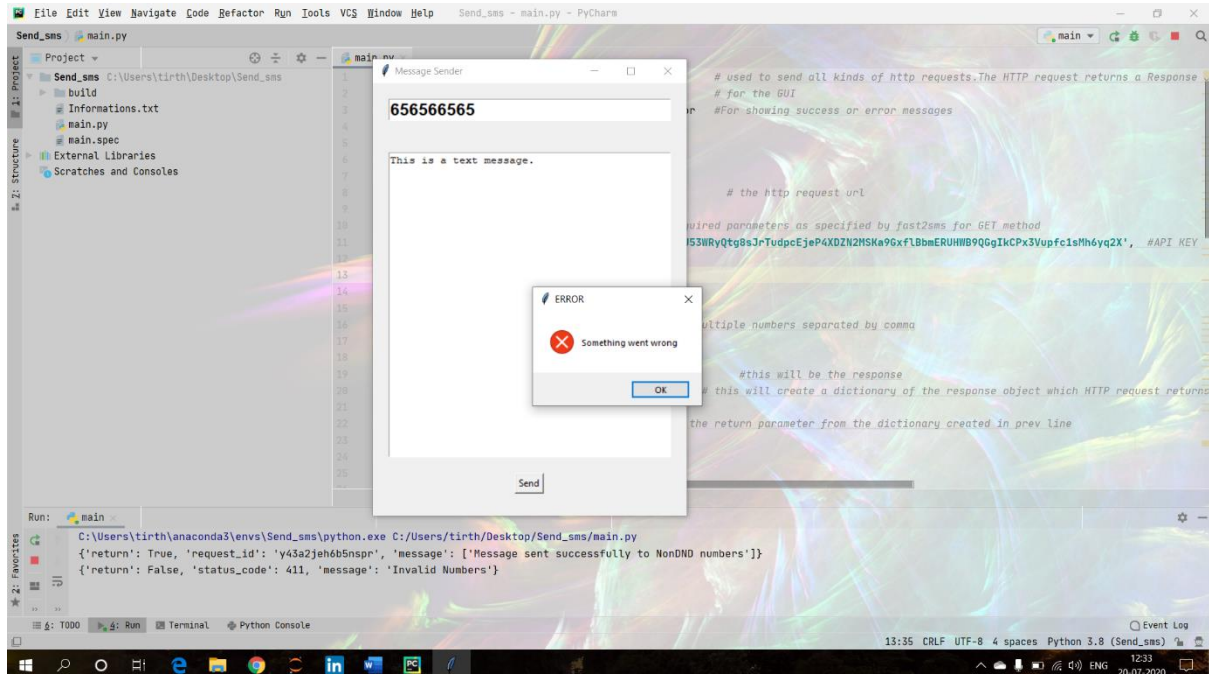
Here in the python code, I have used the “requests” module to send the HTTP request, and “tkinter” GUI library for building the GUI.

WHAT HAPPENS WHEN YOU RUN THE APPLICATION?

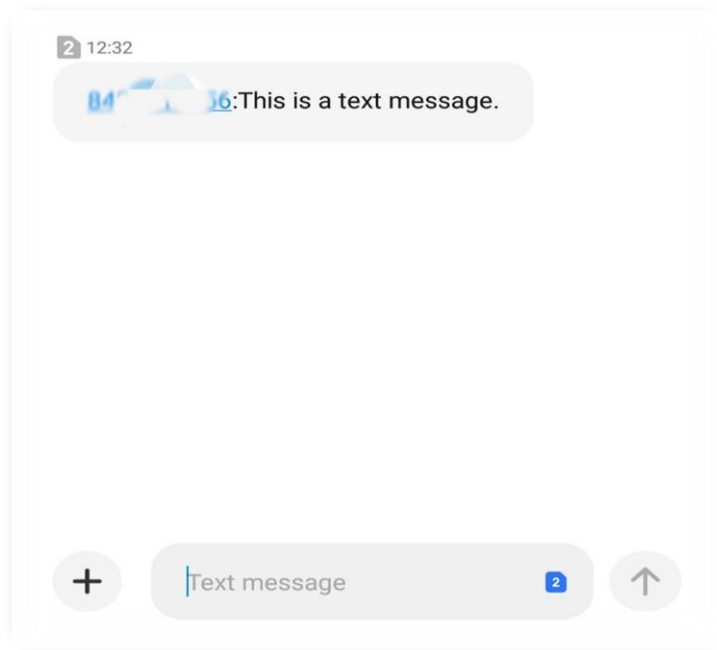
When you run the program a graphical user interface will pop up where you can add multiple recipient phone numbers separated by comma and the message body, and after you click on send, a pop up will appear if the message is sent successfully



If something goes wrong, e.g. :- I have typed a wrong number, then an error pop up will appear.



The text message received will contain the number of the sender followed by the body of the message. (Hidden my number for obvious reasons.)



FLOW OF THE APPLICATION

Run ➡ GUI appears ➡ Enter number and text ➡ Click send button ➡ HTTP request is made to the API provider with all the necessary parameters ➡ API provider authorizes the request ➡ sends a response if everything goes well ➡ message sent to recipient.

USECASES OF THIS PROJECT

It can be used to to send large number of messages to different users at different locations.

The example for this can be E-Commerce Industry. E-Commerce Industry has to deal with large numbers of customers on a daily basis. Information such as Invoice details, order updates, billing details, shipment, etc needs to be communicated to the customers. This information cannot be shared manually.

