Using Flask Restful Services

CS403/534 - Distributed Systems
Assignment #2 for Spring 2020 - In-Class

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Abstract

You are required to implement a flask client to the flask server, whose IP address and port number will be given during the lab. Your task is to find the 64-bit secret unsigned integer by querying the flask server. The further details are given in the subsequent sections of this document.

1 Flask Server

The server endpoint is named "`number_game`". It keeps a uniformly randomly generated 64-bit unsigned integer. When queried with a guess which is an integer value, it returns three string values:

- "`success`": the guess is correct

- "`greater`": the secret number is greater than the guess

- "`smaller`": the secret number is smaller than the guess

The IP address and the port number of the server will be provided by your TAs during the lab.

2 Flask Client

You need to develop a flask client that sends queries to the server using the "`get`" method. Your client can send as many queries as necessary to find the secret key. When it recover the secret key, your program prints it and terminates.

3 Notes

- You are required to work alone.

- Compress your Python code using winzip, name it as "cs403-534_assign02_yourname.zip" and submit it to SUCourse.