bug1:

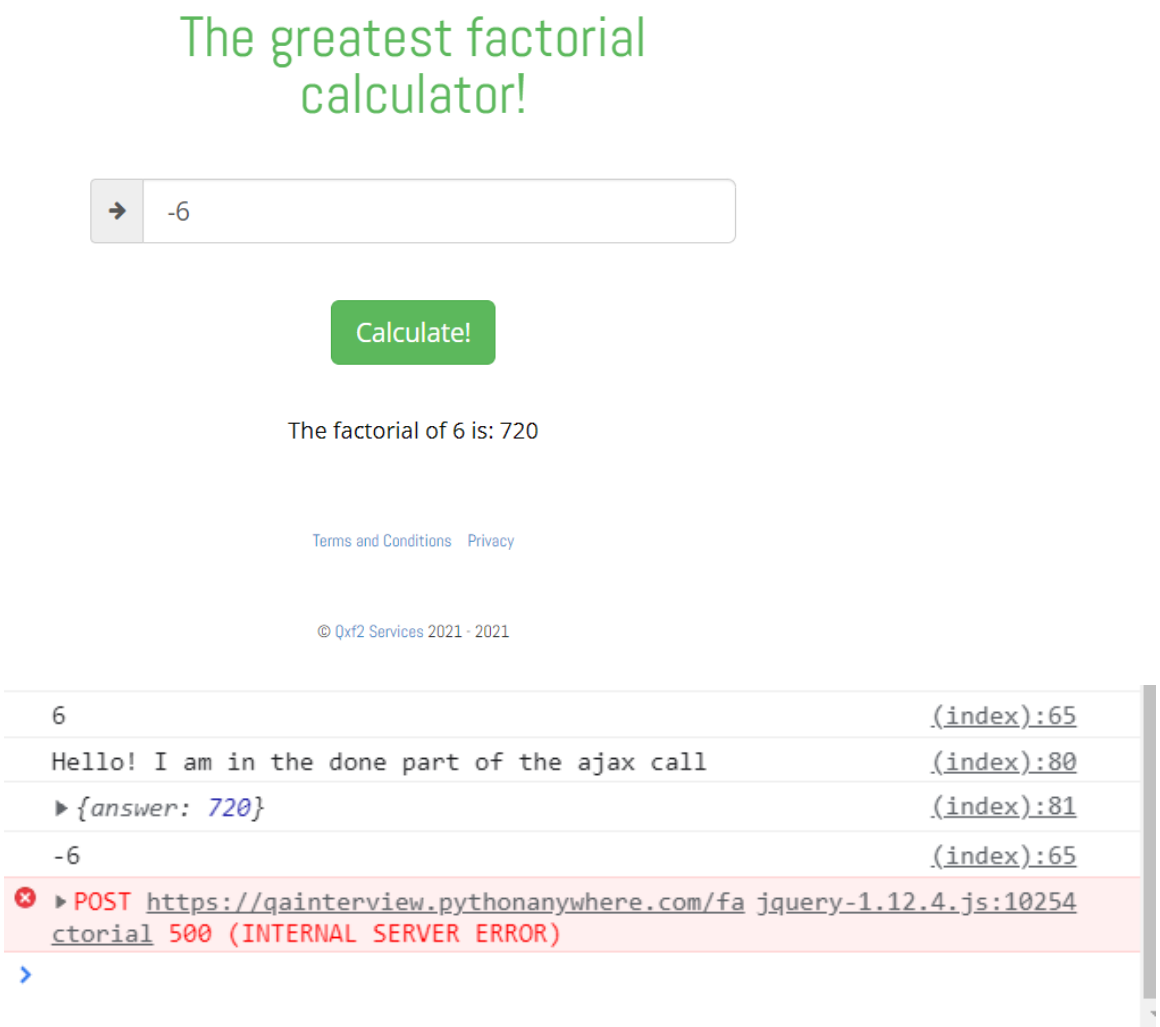
bug description:

This system cannot treat negative number correctly.

As a negative number is also integer, the backend side cannot analysis it correctly.

The front end freeze as the backend is error status code 500.

bug shot:



How to reproduce:

Just input any negative integer, like -6 or -4.

Reason estimation& fix suggestions:

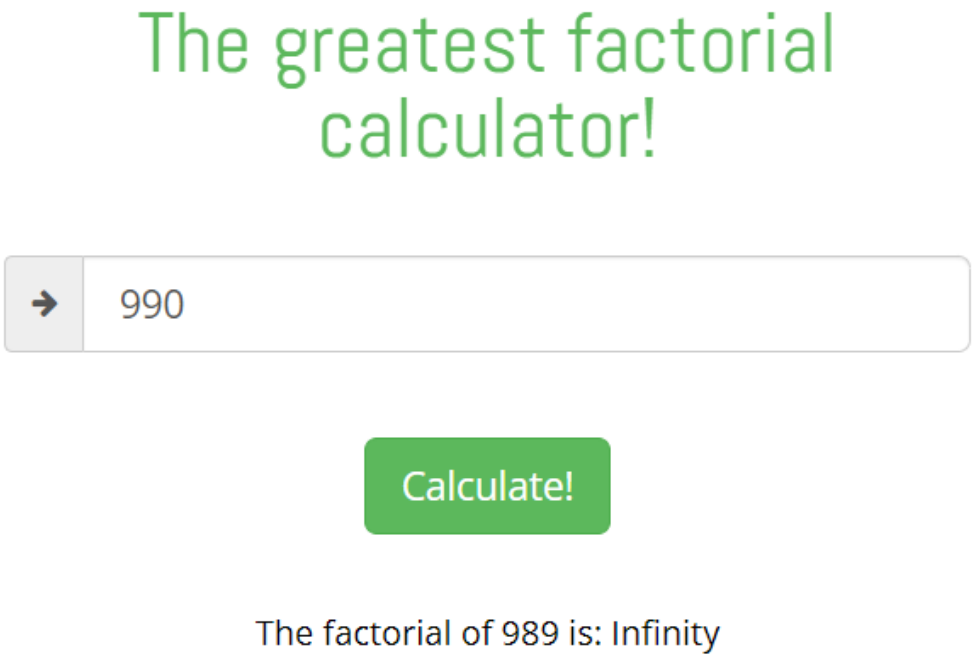
The backend API functions only consider positive integer and 0 case but forgot negative number cases. Thus the API function cannot provide response and the front end freeze.

bug2:

bug description:

This system cannot handle large numbers. After testing, I find when the integer larger or equal than 990, the front end freeze because of internal error code 500 on console.

bug shot:



How to reproduce:

Just input any integer large or equal than 990, and check result

Reason estimation& fix suggestions:

The backend API cannot digest large numbers. I believe that is because of number overflows or exceed memory during calculations. I suggest add a check to find if the integer is large than 170. As for number large than 170, they are all infinity, which will reduce lots of memory cost.