

Claims

1. A computer-implemented method for restoring a click position, comprising:

querying a relative coordinate of the click position, wherein the relative coordinate is calculated with respect to a reference coordinate of a reference operating region included in a webpage, wherein the reference operating region is at a first position in the webpage at a first moment;

receiving a query response, wherein the query response includes the relative coordinate of the click position and an indicator indicating the reference operating region;

determining by a hardware processor, a current position of the reference operating region in the webpage at a second moment, wherein the reference operating region moves from the first position in the webpage at the first moment to the current position in the webpage at the second moment;

determining whether a size of the reference operating region has changed between the first moment corresponding to a click operation and the second moment that is different than the first moment;

in response to determining that the reference operating region is smaller in the second moment than in the first moment, and that the click position is outside the reference operating region in the second moment due to that the reference operating region becomes smaller at the second moment, determining that the click position is not valid in reflecting user behavior; and

in response to determining that the click position is within the reference operating region, restoring, by the hardware processor, a restored click position based on the current position of the reference operating region.

2. The method of claim 1, wherein restoring the restored click position comprises:

determining the reference operating region exists at the second moment; and

wherein the restored click position is restored based on determining that the reference operating region exists at the second moment.

3. A non-transitory, computer-readable medium storing one or more instructions executable by a computer system to perform the steps of claims 1 or 2.

4. A computer-implemented system, comprising:

one or more computers; and

one or more computer memory devices interoperably coupled with the one or more computers and having tangible, non-transitory, machine-readable media storing instructions, that when executed by the one or more computers, perform the steps of claims 1 or 2.