Each time user clicks column title, it triggers endpoint “/custSort/columnName”, which activates method custSort().

In the following case, “/custSort/phoneNo” was clicked. The method compares the new sort field phoneNo against existing sort field custName and detected that the sort field has changed. It sets the sort direction to ASC if not already ASC, and then hands over the presentation to the method custPaginated().

Version 02-19

custSort began: sortField=custName sortDirection=ASC newSortField=phoneNo

custSort before passing to custPaginated(): sortField=phoneNo sortDirection=ASC

Method custPaginated() retrieves and sort the data and presents using Customer.html.

method custPaginated began: sortField=phoneNo sortDirection=ASC

custPaginated before return(Customers.html): sortField=phoneNo sortDirection=ASC

User further clicked customer id to change sort field to custId: The program runs as expected.

custSort began: sortField=phoneNo sortDirection=ASC newSortField=custId

custSort before passing to custPaginated(): sortField=custId sortDirection=ASC

custPaginated began: sortField=custId sortDirection=ASC

custPaginated before return(Customers.html): sortField=custId sortDirection=ASC

Version 02-20

custSort() began: sortField=custName sortDirection=ASC newSortField=phoneNo

custSort() before passing to custPaginated(): sortField=phoneNo sortDirection=ASC

Method custPaginated() retrieves and sort the data and presents using Customer.html.

custPaginated() began: sortField=phoneNo sortDirection=ASC

custPaginated() before return(Customers.html): sortField=phoneNo sortDirection=ASC

At this point, Customer.html should have been presented on browser. However, as found in the console, instead custSort was called one more time, and this time with newSortField passed as xxx. I have modified custSort() with an override to transfer control to custPaginated if new sort field is found to be xxx. This fix neutralizes the problem.

custSort() began: sortField=phoneNo sortDirection=ASC newSortField=xxx

custPaginated() began: sortDirection=ASC sortField=phoneNo

custPaginated() before return(Customers.html): sortDirection=ASC sortField=phoneNo

I did not find similar problem with any of the other links on Customer.html.