ZS Software

Round 1 Technical Interview - Inline Search
User Experience Engineer

Instructions

You will be given this question several days before your interview to work on. Please review
the question and write the necessary HTML, CSS, and Javascript to implement a solution to the
problem. Please submit your solution to ZS Associates one full business day before your
interview so we can review it.

On the day of the interview make sure that you have your materials at hand for your reference,
and a quiet location and good phone connection from which to take the interview. We will
discuss specific line numbers so make sure you have a good text editor with line numbering
available.

This question is property of ZS Associates and is confidential, we appreciate your
attention to keeping it confidential.

Problem

ZS Associates is writing a web page intended for use by pharmaceutical sales professionals. The included .html page displays a list of the accounts the user is responsible for. The design of this page specifies that the user should be able to use the search textbox to filter the table to only rows that match the user's search string. However, this functionality has not been implemented.

Please implement the Javascript, HTML, or CSS changes necessary to implement the search feature.

Search Design

The user should be able to type a partial account name, address or date. The table should then be filtered to only display the matching rows.

A search for "North" will highlight "Northwest Comm Hosp/Phcy" as well as Gottlieb Memorial Hosp on "WEST NORTH AVENUE".

A search for "12/19/2011" will match all accounts visited on that date.

Your Solution

Please make changes to the attached HTML document to implement your solution, and submit it to ZS Associates at least one day before your first round interview. We will discuss your solution at that time.

We will test your solution by opening it in several browsers to see how it works.

You will also get a chance to discuss the solution in depth, and why you implemented it the way you did. Feel free to include any publicly available frameworks you want to use. For example it would be find to include JQuery, EXT JS, YUI Toolkit, etc. However make sure that your library choices do not trivialize the problem, we want to discuss code that you wrote. As an example including a Table Filtering plug-in would not be acceptable as this would leave very little code to discuss in the interview.

You may NOT ask anyone else to help you. You may NOT ask anyone else to check your work.