

# SupplyHouse.com Front-End Programmer Test

## Disclaimer

This following set of questions is for evaluation purpose only, and your work from the interview process will not be incorporated into our website.

## Instructions

Please return the answers within **48 hours of the receipt of these questions**, as email attachments or a URL of where your files are stored. Refer to our email for the exact time we expect to receive your solutions.

If you would like to take advantage of popular JavaScript libraries, please restrict your use to the following: Prototype, jQuery, Dojo, Scriptaculous, YUI. Otherwise, all the code must be your own.

For clarification of the problems and submitting solutions, use [devinterview@supplyhouse.com](mailto:devinterview@supplyhouse.com). Please try to limit your questions to the extent necessary for understanding what is being required. **Include "[HTML]" (with the square brackets) in the subject line when you turn in your work.**

## Deliverables

- All HTML/JS/CSS/image files we need to view your pages **offline**, and
- A separated document explaining how the rotating banner works if you don't feel that your comments in the code are adequate.

## Problem 1

Build a stand-alone web page as shown in `WeGiveBack.jpg`. The page header, footer, and side navigation are the same as our current website template, whose code can be reused in your solution. The focus of your work is on the main contents within that template.

The top part of the page, just under the page title, is a rotating banner. This section updates itself every 4 seconds with a different picture from a set of three, and the 3 circles below them also change colors to indicate the current picture's position within the sequence. We are not providing the set of 3 pictures, but you can make your own dummy images to demonstrate the rotating functionality.

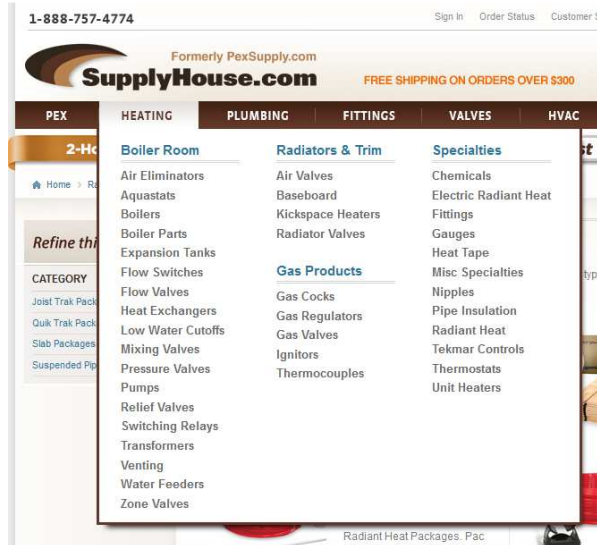
The remainder of the page is static pictures and text.

Within the main contents (excluding the common template), you are expected to slice all images within, enter the text, and position them exactly as shown. Use Arial as the default font. All the links in the outer template must be preserved.

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## Problem 2

The top navigation in our common template is a one-step hover menu expansion (screenshot below). "One-step" means that it takes only one hover action (over the word "HEATING") to display all sub-headings and items under that menu.



We would like to convert the entire menu into a "two-step hover" version. As seen in `topNav_1.jpg`, hovering over "HEATING" brings up only the sub-headings. Next, when you mouse over each sub-heading, all items under it are shown, as in `topNav_2.jpg`.

You are expected to take the code of any screen on our site, and modify the styling of the top navigation as described. All the links in the menu must be kept as the original and functional. The styling of the new version should be as close to the design as possible.