

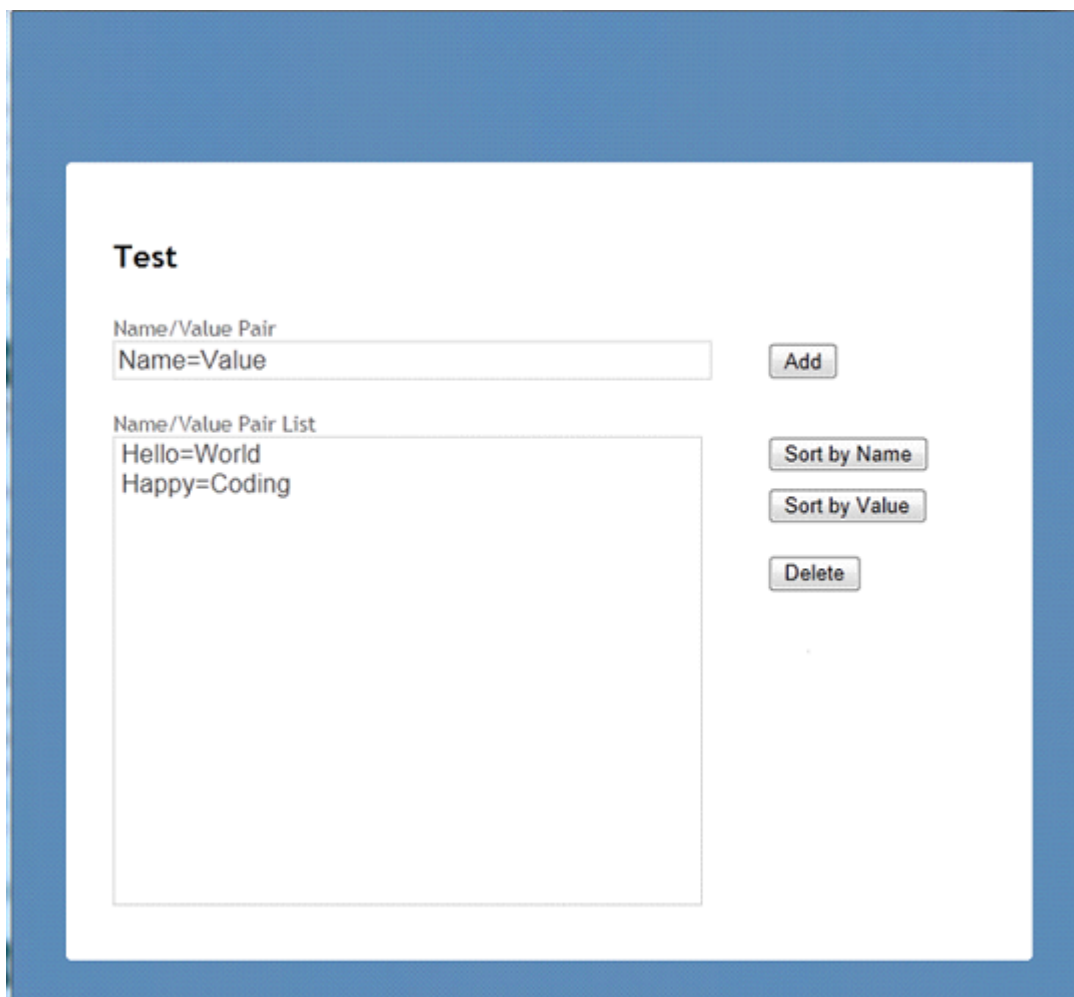
Basic JavaScript and HTML Test

Overview

The purpose of the application is to allow end-users to quickly enter and manage a list of name/value pairs.

Although this test must be written without any other persons help, any standard reference material that is used during a normal programming cycle may be used (such as online help or books). No third party class libraries or code snippets may be used

Create an HTML application using a UI similar to the one shown below. The application code should be written in HTML and JavaScript.



The screenshot shows a web application titled "Test" with a blue border. It contains a form for adding and managing name/value pairs. The form has a title "Test" in bold. Below the title, there is a section labeled "Name/Value Pair" with a text input field containing "Name=Value" and an "Add" button. Below this, there is a section labeled "Name/Value Pair List" with a text area containing "Hello=World" and "Happy=Coding". To the right of the text area, there are three buttons: "Sort by Name", "Sort by Value", and "Delete".

In addition, the UI should adjust based on what screen size is viewing it. For example, if viewed on a mobile phone (i.e. iPhone), the page should automatically adjust to present the layout in a better way. This also applies to re-sizing the browser on desktop, and viewing the page on a tablet.

Required Features:

Name/Value pairs are to be entered into the upper textbox. This textbox will be used by the end-user to quickly add Name/Value pairs to the list below.

When a Name/Value pair is about to be added to the list it must be validated to ensure proper syntax. If the syntax is incorrect then the Name/Value pair must not be added. The Name/Value pair entry format is shown below:

<name> = <value>

Where <name> is the name portion of the pair, and <value> is the value portion of the pair. Only valid Name/Value pairs can be added. Names and Values can contain only alpha-numeric characters. The equal-sign is used to delimit the pair, spaces before and/or after the equal-sign may be entered by the end user (and should be ignored.)

When the 'Sort by Name' button is pressed the list will be sorted ascending by Name.

When the 'Sort by Value' button is pressed the list will be sorted ascending by Value.

When the 'Delete' button is pressed all selected items in the listbox will be deleted.

General Information

Make any modifications/additions you feel are necessary to enhance the usability of this application. Keep the code clean, well organized and well commented. The quality of the application should be at the same level that you would to create for a paying client/employer.