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SE 319

Homework 2

Design Analysis

For my design I used the example code from the homework example as my form layout. From there I created two html files Validation1 and Validation2. I added text fields for the first name, last name, email, phone, and address fields. For the State and Gender field I used a data list where it would list each option in the drop-down menu to be selected. Two additional java script files were created with the same names. For my JavaScript design I based it off one big validation function calling each individual validation function. I made sure that all my individual validation functions returned the type Boolean so that way I could use conditional logic to see if which image needed to be appended to the end of each input field. At this point to I append an error message after the image if the function returns false. I used a counter to increment through the error statements inside the getNotification function.

The idea for checking the first and last name was simply calling alphaNumCheck() if that return true I also returned true. For checking the drop down menus (states, gender) I created an array which held the acceptable responses. I called indexOf() on the input and if it returns -1 it means it doesn’t match anything in the array and so from there I returned true or false based on this condition. In the email check I used the given function provided and for checking the phone number if the input was less than 10 then I returned false and if it was equal to 12 and included a dash then it would check to make sure all the inputs where numbers. I used .includes to check for ‘-‘ in the string. I created a isNum function that check to see if the string contained anything but numbers. If it did it returned false and true otherwise.

Screenshots: 

