++ Define the User Interface ++ In the HTML:

A title

Checkboxes for parameters

++ listbox for string length

A button that triggers the program to run

An output field

In the JavaScript:

++ 4 preset ++ Arrays containing the allowable characters

++ create an empty password string ++

Functions that generate random numbers, then pull a number/character out of the array

++ at least 1 of each required type ++

Another function that puts the pulled numbers/characters into a string

This loops several times depending on:

A variable for number of loops defined by the checkboxes

++ randomly select from required arrays ++ A variable/function for which arrays need to be pulled from

A function that randomizes the order of the characters in the string

A function that displays the string in the HTML output