

Assign-04 : Hi-Lo (Revisited) – with Server-Side Technology

Description:

This is an individual assignment. In this assignment, you will revisit your original Hi-Lo game (A-01) but this time, you will implement the game using a server side technology. You will implement the game using ASP.

Objectives:

- To practice using server side technologies
- To practice more web-form design techniques as well as client-side and server-side validation

Requirements:

1. The user should have the exact same game experience as in A-01.
2. Only input-level validation is to be done on the client-side using JavaScript – the logic for the game play is being moved to the server-side
 - The range-check logic (i.e. user enters guess and the game checks if it is correct, too low or too high) is actually part of the game play and now belongs in the domain validation (on the server-side)
 - The *grey-area* of validation that could be included on the client-side is the validation that a number has been input (as opposed to a letter, etc.). As discussed previously, this could also be argued that it should be done in the domain on the server ... the choice is yours.
3. In this assignment, it is expected that you use a <form> element as well as other UI components for prompting the user and the gathering for information
4. It is also expected by this point in the course that you can use and apply style to your solution through CSS.
5. **The “game engine” logic must be executed on the server side.**
6. Make sure you comment appropriately (HTML header comment, JavaScript function comment blocks as well as inline comments – also don’t forget to comment your ASP server-side logic)

Note:

- There will be some challenges in this assignment
- You will already be exposed to everything you need to do this assignment, but you might find “better” ways if you do some research
- Be sure you understand what you are doing - otherwise, stick to the simple solutions that work

Hand in:

1. ZIP up the final HTML and/or ASP page(s) and submit to the appropriate drop-box by the deadline.
2. Make sure that your Hi-Lo application runs properly and consistently within the Internet Explorer v11 and Chrome browsers