Session 10a

Quiz Preparation

Quiz Format

- 1-2 pages of questions
- 10-15 minute time limit
- Questions cover all material through servlets
- TAs and instructor will only answer questions during the exam to clarify the language of a question (no hints or answer confirmations)
- For substantial programming questions, an API will be provided. If no API, grading will be more flexible

No API expected for Quiz#1
Preparation

- Reread all slides
- Work all code examples in slides (including tracks).
- Test your understanding of key concepts through discussions with your study group

Sample Question

- Answer the following questions for the html fragment given below.
  
  (a) For the html fragment shown in the beginning of this question, draw the node tree that corresponds to the html. Draw the tree in the space below. You can draw a text node as an oval and an element node as a rectangle. You do not need to include all the text in a text node, just the first two or three characters

```
<p><label for="Password">Password:<span class="ibm-required">*</span>
  <span class="cse336">(Must be at least 8 characters)</span></label>
  <input name="Password" id="Password" size="42"
  type="password" value="enter password"
  onblur="validatePassword();"> </p>
```
(b) Write the validatePassword() JavaScript function that will remind the user if they forgot to enter text in the password field. If the value of the element is a null string the script will display an alert box with the message "enter password."

```javascript
function validatePassword() {
    var inputNode = document.getElementsByName("Password");
    var myNode = inputNode.item(0);
    if (myNode.value == ") alert("enter password");
}
```
Sample Question

(c) The above JavaScript function will be contained in an html script tag. State the most appropriate location for the script tag. Explain your answer.

The most appropriate place for a JavaScript function (such as the one in the example) is in a html script tag is within the html head element. This will ensure that the function is evaluated before it is called. If there is a large amount of JavaScript code (e.g., a large library) this might delay loading, so the code could be placed at the end of the body tag.