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| IT 130 SUMMARY\_\_\_\_\_\_\_\_\_\_\_  (X)HTML  **Lists** <ul></ul> or <ol></ol> with <li></li> for each list item  <ul type=”square”></ul> to change bullet type  Lists can be nested  **Anchor tag (link) <**a href=” “ target=”\_blank”></a>  …href=” can contain url or document/file name “  Whatever is between <a> and </a> is what’s clickable  **Tables**  <table width=”500px” border=”3”></table>  <tr></tr> for each row and <td></td> for each column w/in each row  i.e. <tr><td>row 1 column 1</td><td>row 1 column 2</td></tr>  Td stands for table data cell, border needs only a number to indicate pixel width of border  **Image tag** <img src=”images/image.jpg” width=”50px” height=”50px” alt=”image of something shown here” />  Src stands for source……no separate closing tag needed  **Forms**  Made of input elements/controls  Yosef’s naming conventions required! i.e. “chkName”  <form name=”sampleName”></form>  <input type=”text” name=”txtName” maxlength=”30” size=”15” />  <input type=”button” name=”btnName” value=”appearsOnButton” onClick=”callThisFunction()” />  <input type=”checkbox” name=”chkName” value=”agree” /> Check If Agree  <input type=”radio” name=”radSameForAll” value=”unique1” /> Option 1  <input type=”radio” name=”radSameForAll” value=”unique2” /> Option 2  <textarea name=”txtarName” cols=”25” rows=”5”></textarea>  <select name=”selName”> <!—drop down select menu -- >  <option value=”1”>User sees this option</option>  </select>  <input type=”reset” /> <!—resets the form to blank -- >  CSS  **Developed in the mid-nineties! by W3 Consortium**  **Style**  example: <span style=”font-family: arial; color: #3399FF;”></span>  Terms: Span=selector/tag, color=attribute/property, #3399FF=value  **External/linked, embedded(internal), inline** (see sparkchart for syntax)  <div> and <p> tags both create an extra line before and after, <h1> gives a <br/>  Embedded sample: .. (see sparkchart for external sample w/contextual selectors)  <style type=”text/css>  h1, h2, h3 {color: blue; background-color:grey;}  </style>  A few colors: red=#FF0000, green=#008000, blue=#0000FF, yellow=#FFFF00  **External style sheet** document has *only* the selectors, properties, and values (no  <style> or <head> or any other tags)  **Styling a hyperlink** would use styling like this (in *this* order)(Lo-Ve-H-Ate)  a:link {attribute: value; } a:visited {attribute:value; } a:hover {…. } a:active {…. }  CSS FOR LAYOUT  **block level elements:** have content, padding, border, and margins, width and height.  **Inline level elements:** can only style left and right not top and bottom.  **Width in px(recommended), Em, or %:** default is whole container (% is relative to container)(Em is a cap.M)  **Height**: use with caution due to unexpected effects!!!  **Gross vs. net w or h:** width and height don’t include padding or margins or borders: thus they are net, and w/ those 3 elements are gross)  **Borders for styling:** all at once i.e. div, p, h1 {border: solid black;}  **Floating**: float:left (tells sections that *follow* to float upwards & next to (wrap, not overlap!: note that content won’t overlap but borders, backgrounds, etc. will overlap but will be underneath the floated element)(width must be specified to allow this (except for images)).  **Positioning: absolute**; relative to container. (left:100px; top: 100px; etc)  **Position: relative;** relative to *current* position. (top:10px; left: 20px; etc)  **Removal from the flow:** caused by positioning: refresh w/*every* change to catch weirding…  **Padding:** default is zero px. Padding: 10 20 20 10; (top, right, bottom, left)  **Clear: both** (or clear:right, or clear:left): tells element NOT to float up (i.e. for copyright, etc.)  “CHECKLIST”  Images need ‘alt’ attribute…….All web pages stored in the it130 folder of your site….Use whitespace …… Naming convention for file names: “lower\_case.htm”…. HEX codes (e.g. #FF0000)…. *All* form elements must be named (except buttons) using camel case and prefixes… Javascript variables and functions are also camel-case… you must invoke the parseInt() after reading in a number…. Must use <div id=” “> tag sections plus keywords and description metatags….FOR JS DISABLED BROWSERS: 1) Just within <script> tags: <!-- BEGIN HIDING FROM JS DISABLED ... END HIDING --> 2) In body section: <noscript>This page works best with js enabled browsers </script> | JAVASCRIPT   * js is the most widely used script for working with web pages * We’ve done client-side scripting since script is sent with page * Scripts can be external and linked for use with several pages * **No html** when browser is expecting script except in document.write (“html“) * Strings should appear in “quotes” i.e. var name = “John Doe”; * **Javascript is case-sensitive.** * **Variable syntax:** only can have letters, #’s, \_, and can’t start with a # * **Variable declaration:** declare all together at start of function. * **Variable scope** of var declared w/in function is only that function (local). Global variables are rare and we won’t use them (they are declared between <script> tags in the <body> of the page and can be used throughout document.   **Built-in functions:** document.write (); alert (); parseInt (); Date ();   * var todaysDate = Date (); Alert (“the date is:” + todaysDate); * alert (); can’t use html in output since it outputs to dialogue box not html page. * **parseInt ();** value from textbox considered a string, thus “5”’+6=”56” parseInt(); will truncate. Trying x = x\*5 where x=”hello” will generate ‘NaN’ error * (Math.random()\*25)+1; generates random number between 1 and 25 because Math.random() generates a number [0-1) randomly…. * Math.sqrt (number); returns sq root of number ie var number =Math.sqrt(25); 🡪 5   **Invoking functions directly:** a function named test() can be invoked by putting <script> tags in the <body> & inside them putting test(); (this is the same as saying onClick=”test()”in a form  **document.write statements,** put a \ before any special character i.e.  document.write(“you <span style=\”color:red\;font-family:arial\” >rock!</span>\)  **conditionals:** if, if…else,  **operators:** = (assignment) ==(comparison) !=(not eq) >=, <=,>,< (inequality)  **function syntax:** functionName() { statements }  **string or variable?:** (day == sunday) sunday assumed to be a var, if (day==”Sunday”) assumed to be a string.  **AND (&&):** true if all are true **OR (||):** true if any are true  Example: if (income >= 15000 && income < 25000) {alert (“tax rate: “+rate1+”%”): }  **RETRIEVING INFO FROM A FORM:**  **parseInt (); or parseFloat();** immed. After reading in a numeric value or it may be considered a string!  **From a textbox:** var variable = document.formName.elementName.value;  **From a radio button:** var variable = document.formName.radName[x].value; (this will assign the value given to radio button x (1st one is 0, 2nd one is 1, etc.). You can also use if (document.destination.radName[x].checked) as a conditional based on the choice of the user….  **From a checkbox:** if (document.formName.chkFirst.checked) ….  **From a selectbox:** var variable = document.formName.selName.value; (this gets the value you gave that particular option i.e. <option value=”1”>One</option> Note that each sep. option gets it’s own value but one name applies to all the options.  RESERVATION PAGE FROM FINAL PROJECT  <html> <head> <title>Reservation Page</title><link rel="stylesheet" type="text/css" href="final\_project\_stylesheet.css" />  <script type ="text/javascript"> function calculateTotalCost() var firstName = document.reservation.txtFirstName.value;  var lastName = document.reservation.txtLastName.value; var totalCost; var hotelCost;  var airfare = parseInt (document.reservation.selArrivalCity.value);  var numberOfDays = parseInt (document.reservation.selNumberOfDays.value);  if (document.reservation.radHotel[0].checked){hotelCost = 100;} else if (document.reservation.radHotel[1].checked){hotelCost = 200;}  else if (document.reservation.radHotel[2].checked){hotelCost = 300;}  if (document.reservation.chkSpouse.checked){totalCost = airfare\*2 + (hotelCost\*numberOfDays);}  else {totalCost = airfare + (hotelCost\*numberOfDays);} if (document.reservation.chkPet.checked){totalCost = totalCost+100;}  document.write ("Dear " + firstName + " " + lastName + ", " );document.write ("Thank you for booking with us. The total cost of your ");  document.write ("trip will be $" + totalCost + ".00."); }  </script> </head> <body><!-- \*\*\*\*FROM HERE TO 2ND STARS LINE SHOULD BE THE SAME ON ALL PAGES\*\*\*\*\* --><noscript> This page works best with javascript enabled browsers. </noscript><div id="navigation">  <a href="reservation.htm">Make a Reservation </a><br/> <a href="contact\_us.htm">Contact Us</a><br/>  <a href="mailing\_list.htm">Join Our Mailing List <a/><br/> <a href="airline.htm">Home </a><br/> </div>  <div id="colorStripe"></div><div id="heading"><span style="font-size=270%" >IT AIR - </span>  <span style="font-size=150%">High-Tech Flight </span> </div>  <div id="imageStripe"> <img src="sky.jpg" style=" height:50; width:400; " alt="picture of sky" /> </div>  <!--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* -->  <div id="maincontent"><!--BEGIN FORM HERE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* -->  <form name="reservation" ><h3 style="color:#003366">Enter Your Reservation Info Below</h3>  Last Name: <input type="text" name="txtLastName" size="21" /><br />First Name: <input type="text" name="txtFirstName" size="20" /><br /><br/>Arrival City: <select name="selArrivalCity" style="width:148"><option value="200">New York</option><option value="250">Las Vegas</option><option value="300">Seattle</option></select><br /><br/>  Number of Days: <select name="selNumberOfDays" style="width:115">  <option value="2">2</option><option value="3">3</option><option value="4">4</option><option value="5">5</option><option value="6">6</option><option value="7">7</option></select><br /><br/>  Please Check All That Apply: <br /><input type="checkbox" name="chkSpouse" />Travelling with Spouse<input type="checkbox" name="chkPet" />Travelling with Pet <br/><br/>  Type of Hotel: <br/> <input type="radio" name="radHotel" value="100" checked="checked" /> Economy Hotel  <input type="radio" name="radHotel" value="200" /> Standard <input type="radio" name="radHotel" value="300" /> Upscale<br/>  Special Requests: <br /><textarea name="txtarComments" cols="25" rows="5" ></textarea><br /><br />  Once you click submit, you are agreeing to book this vacation with our company and your credit card will be charged. Do you agree? <br /><input type="radio" name="radAgree" value="agrees" />I agree<input type="radio" name="radAgree" value="disagrees" />I disagree<br /><input type="submit" name="btnSubmit" value="Book My Ticket" style="background-color:#FFFF00; font-size:150%" onClick="calculateTotalCost()" />  </form></div><div id="footer">&copy; 2010 Adam Wilson Web Design</div></body></html> |