THOMPSON RIVERS UNIVERSITY

Computing Science Department

Course: COMP 2681

Review Assignment on Working with Java Script Objects and Events

After reviewing your form Dr. Paulson made a few changes to it. She also has some additional modifications she wants you to make. The following is the list of changes and additions Dr. Paulson would like you to complete:

- Revise the APGAR function so that if the current field is the Respiration input box, the function will jump past the APGAR TOTAL input box to the Birth Weight input box. This will help prevent users from inadvertently entering data into the APGAR TOTAL input box, thereby undoing the calculation performed by the APGAR() function you created.

- Dr. Paulson does not want to include newborns whose birth weight is less than 1200 grams. The form should alert the users of this whenever a birth weight of less than 1200 grams is entered in the bwgt field.

- Revise the form so that it prohibits the user from submitting the form if parental consent has not been given or if an infant has a birth weight of less than 1200 grams

To revise Dr. Paulson form:

- Open Studtxt2.htm and save the files as Study2.htm in the same folder

- Go to the APGAR() function. Below the line that calculates the total APGAR score, insert an If command block that tests whether the name of the current field is equal to resp. If so, it should set the focus to the bwgt field.

- Revise the bwgt field so that the CheckWgt() function is run whenever the cursor leaves the field.

- Create the CheckWgt() function, inserting it between the APGAR() and CheckData() function in the head section of the document

- In the CheckWgt() function, create a variable named "wgt" that stores the value of the bwgt field. If the wgt variable is less than 1200, display an alert dialog box with the message "Patients with birth weights less than 1200 grams are ineligible for participation in this study."

- Go to the <form> tag and insert an event handler that will return the value of the CheckData() function when the form is submitted.

- Save your changes

- Load Study2.htm in your Web browser. Verify that pressing the Tab key in the Respiration field jumps you past the APGAR TOTAL field.

- Try to submit the form with the following conditions:

  - birth weight = 1000 grams/parental consent
  - birth weight = 1800 grams/ no parental consent
  - birth weight = 1200 grams/parental consent

  What happens under each condition?