CMST386: Web Site Design II
Assignment 4: JavaScript Programming

Summary:

This assignment requires you to write a Program Design Document to include:
1. Written specifications
2. Algorithm design with flowchart or pseudo code description of program process
3. Known test data

Program Implementation needs to be demonstrated by creating a JavaScript program. You will need to print out and include:
1. Source code from the text editor
2. Results for at least two runs using your known test data. You must test each branch of your selection structure using the test data.

If submitting using paper, create a cover sheet for this assignment to include your name, class, date submitted, and a title. This assignment is due December 8.

Provide a link from the home page for this assignment.

Casino Chip Counting Program

The Dynasty Casino http://www.tinian-dynasty.com in Tinian has decided to automate the chip counting using a computer program. They have contracted with you to create a chip counting program that will assist in cashing out client's chips. They have agreed to fly you over for an all expense paid week to observe the casino in action.

You enjoy your time in Tinian, while doing your Design Phase. You have agreed that you will not leave Tinian until all parties agree with your Program Specifications and Design. Once the design is approved you will enter the Implementation Phase and return home to do your coding.

The program will assist the cashier by calculating the value of chips based on their quantity. You observe that the general sequence of events at the cashier window:

1. Ask customers for receipts for all chips purchased and sum is calculated.

2. If the customer is a U.S. Citizenthey need to enter Social Security Number.

3. Customer submits all chips to cash out. Chips are counted and the total sum is calculated based on the following values:

   - Black = $5
   - Blue = $20
   - Red = $50
   - Green = $100
   - Purple = $500
   - Gold = $1000

3. If the customer wins they a 10% withholding tax will be applied to winnings only and subtracted from the total value of chips cashed out.

4. The form results will be the receipt for the transaction and printed.

Name your casino chip counter form GUI `casino.html`

Host on your final web site final web site with a link from the home page. This will count as one of your pages for the the final project.