# CIST 1520

# Scripting Technologies - JavaScript

**LAB #3 – *40 Points***

**Instructions**: Display customer reviews for a new digital game. Information on each customer and review is contained within several arrays. Customers give the game a rating from one to five stars, which you will display as star images in the web page

Steps:

* Download and unzip the Lab 3 file.
* In index.html file:
  + Enter your name and today’s date where indicated in the comment section in the document head.
  + At the bottom of the document, before the closing </body> tag, create a new script section to load the script.js file
* In the script.js file:
  + At the bottom of the file, insert a function named starImages() with a single parameter named rating. The purpose of the function is to generate the HTML tags of several star images based on the value of the rating parameter.
  + Within the starImages() function add the following:
    - Declare a variable named imageText, setting its initial value to an empty text string.
    - Create a for loop with a counter that goes from 1 up to less than or equal to the value of the rating parameter, increasing the counter by 1 with each iteration.
    - In the for loop, add the text "<img src = 'star.png' alt = ">" to the value of the imageText variable with each iteration.
    - After the for loop, add a statement to return the value of imageText from the function.
  + Create a for loop with the counter variable ranging from 0 up to less than the length of the reviewers array, increasing the counter by 1 with each iteration. In this for loop you will generate the HTML code for a table that contains the review from each customer.
  + For each iteration within the for loop, do the following:
    - Declare a variable named reviewCode, setting its initial value to an empty text string.
    - Insert an else if statement that adds one of three possible text strings to the value of reviewCode: if the value of the reviewType for the current element in the array is equal to "P" then add the text string "<table class = 'prime'>", else if the value of the reviewType for the current element is equal to "N" then add the text string,"<table class = 'new'>" else add the text string, "<table>".
    - Add the following HTML code to the value of the reviewCode variable.

reviewCode += "<caption>" + reviewTitles[i] + "</caption>";

reviewCode += "<tr><th>By</th><td>" + reviewers[i] + "</td></tr>";

reviewCode += "<tr><th>Review Date</th><td>" + reviewDates[i] + "</td></tr>";

reviewCode += "<tr><th>Rating</th><td>" + starImages(stars[i]) + "</td></tr>";

reviewCode += "<tr><td colspan='2'>" + reviews[i] + "</td></tr>";

reviewCode += "</table>";

* + - Use the insertAdjacentHTML() method to insert the value of the reviewCode variable into the first (and only) <article> tag in the document, placing it directly before the closing tag. (Hint: Use the getElementsByTagName() method to reference the collection of article elements in the document.)
  + Execute the program and take screen capture of output.
  + Submit screen capture, index.htm, and script.js file via blackboard

Sample Result:

