FINAL ASSESSMENT

HTML, CSS, JAVASCRIPT, JQUERY, REACT, NODE

HTML / CSS

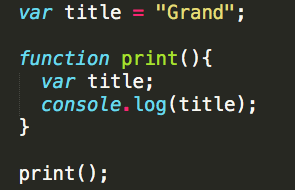
1. Create a CSS selector that selects all li tags nested in a ul element with a class of “list”, which in turn is nested within an element with a class of “list-items”. *[1pt]*
2. Taking the box model into account: If an element has a width of 400 pixels, padding of 15 pixels, a 4px border, and margin of 3 pixels. What is the total width of the element. *[1pt]*
3. Create a CSS selector for an anchor element that will only apply its style when the user’s mouse passes over element. *[1pt]*
4. Explain the differences between block, inline, and inline-block. *[1pt]*

JAVASCRIPT

1. Declare and initialize the variable temp to the number 50. Construct an if statement to check if the variable temp is above or equal to 60 (assume the temperature is in Farenheit). If true, the script should log the message, “You’ll be fine without a jacket.”. If false, the script should log the message, “It’s pretty cold out! Wear a jacket.” *[1pt]*
2. Create a for loop that logs the integers from 1 to 50 to the console. If a number is evenly divisible by 6, console.log the string “False” instead of the number. *[1pt]*
3. Create a while loop that will prompt the user to enter their name until the user types “Macho Man”. *[1pt]*
4. Declare a function called findRemainder. This function should take two parameters and return parameter1 modulus parameter2. *[1pt]*
5. Declare a variable called movies, initialize it as an array of objects. Each object should have properties of name, year and director. Add an object for each of these catalog movies: *[1pt]*

|  |  |  |
| --- | --- | --- |
| Movie Name | Year Released | Director |
| “The Breakfast Club” | 1985 | “John Hughes” |
| “The Goonies” | 1985 | “Richard Donner” |
| “Dirty Dancing” | 1987 | “Emilie Ardolino” |

1. Using the array created above, use a forEach to log each movies name to the console. *[1pt]*
2. Consider the following code, what will be logged to the console? In a few sentences, explain why. *[1pt]*



JQUERY

1. Using jQuery, select an element with an id of main-link. Add an event handler using the on method. When the element is clicked, log the text of all paragraph tags to the console. *[1pt]*
2. Using jQuery, make a GET request to the url “http://example.com/json”. Log the data from the request to the console. *[1pt]*

REACT

1. Fill in the blanks to complete this GreetingHeader component. It takes a name parameter and displays it after the word "Hello". *[2pts]*

|  |
| --- |
| class GreetingHeader extends \_\_(a)\_\_\_\_\_\_ {  render() {  \_\_(b)\_\_\_\_\_\_ (  <header className="GreetingHeader">  Hello {\_\_(c)\_\_\_\_\_\_}!  </header>  );  }  } |

1. Write the JSX snippet that would include the GreetingHeader component on the page within another component. Pass the string "Grant" into the name property. *[1pt]*

NODE.JS

1. Declare a variable http to require the http module. (Use plain Node CommonJS, not the import that we use with React.) *[1pt]*
2. In a file called movie-checker.js is the following code…  
    var movies = [ "Breakfast Club", "Dirty Dancing", "The Goonies", "Jurassic Park", "8 Mile" ];  
    function checkMovies() {  
    movies.forEach(function(movie) {  
    if(movie === “8 Mile”) {

console.log(“Slim Shady is awesome”);

}

});  
 }  
 module.exports.movies = movies;  
 module.exports.checkMovies = checkMovies;  
  
Write the code required to import the content of movie-checker.js into another file in the same folder. Then call the checkMovies function. (Use plain Node CommonJS, not the import that we use with React.) *[2pts total]*

1. What command is required to run a script file named script.js through NodeJS? *[1pt]*