TRUE/FALSE

1. GitHub is a version control system: \_\_\_F\_\_\_
2. git is a version control system: \_\_\_\_T\_\_\_
3. Open source software allows for easier collaboration: \_\_\_\_\_T\_\_\_
4. Mozilla Firefox is not an open source software: \_\_\_\_F\_\_\_\_\_
5. A single element is returned when calling getElementsByClassname() method \_\_\_F\_\_\_\_\_
6. Multiple elements are return when calling getElementById() method \_\_\_\_F\_\_\_\_\_\_\_\_
7. The dot operator (.) is not necessary when calling on methods or properties on a JavaScript object \_\_\_F\_\_\_\_\_
8. CSS is used for content creation \_\_\_\_\_F\_\_\_\_\_
9. HTML is used for content creation \_\_\_\_\_T\_\_\_\_\_\_
10. CSS is primarily responsible for styling \_\_\_\_\_T\_\_\_\_\_\_

Multiple Choice:

1. Which of the following are part of the essential tags for an HTML document:ACD
2. <html></html>
3. <link></link>
4. <body></body>
5. <head></head>
6. <a></a>
7. The term software engineering was coined in which year?C
8. 1958
9. 1959
10. 1968
11. 1971
12. 1982
13. It is important to write \_\_\_\_\_\_\_\_ and draw \_\_\_\_\_\_\_\_\_\_of your website/application. C
14. Reports and Diagrams
15. Documents and diagrams
16. Outlines and diagrams
17. Outlines and graphs
18. Hierarchical structure is important when making diagrams. A
19. True
20. False

Short Answers:

1. Name an open-source software: \_\_\_\_ Mozilla Firefox \_\_\_\_\_\_\_\_\_\_\_\_\_
2. What is a version control system: \_HELP MANAGE FILES AND HELPS MANAGE HISTORY OF FILES\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What is the advantage of using open source? : \_\_Collaboration and knowledge sharing\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Given the following case study, identify the steps that would be necessary to solve the problem:

Suppose a senior developer merged the wrong code. The senior dev told you not to touch the code. You realize that the pulled code has errors and does not compile. You (junior dev) were told not to touch the original code. What would you do next?

I try to assist the senior developer in his work and not to touch the original code.

because original code is like a time machine that brings me to go back to any point in time.

we call it a version control system; it provides invaluable information about the author and the date of editing. It also gives on the purpose of the changes made. It will have an impact on the developer that works on the latest version as it will help to solve problems experienced in earlier versions. The ability to identify the author of the document enables the current team to link the documents to specific contributors. This, in turn, enables the current team to uncover patterns that can help with fixing bugs. This will help to improve the overall functionality of the software.

1. Pros & Cons of using/making a general website/webpage as opposed to a web application:

WEB Applications:

Pros: database connectivity allows for data retrieval when the application is down

Connect one app to another

Cons: if the application breaks, takes longer time to fix it, it nees to update, expensive.

Webpage:

Pros: easy to build a webpage, it is cheap and dosenot require installation

How would you respond to the following scenario?

*You are a new employee at a tech company. You have been working there for many years and are now at a senior position. Your boss tells you that there is a new employee who will join the development team and it is your job to train the new employee, you find out that they do not know what version control is or how to use git or GitHub. How would you approach in training the new employee?*

I will tell the new employee the goals and details of the company. And tell the new employee why version control is important and let the new employee know what is different between git and GitHub. Git gives us to keep track of changes and keep every team member working off the latest version. and then we can use GitHub to communicate with git, it makes our collaboration easier.

Name at least two git commands (three for extra point):

1. \_\_git init\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_git add .\_\_\_\_\_\_
3. \_\_\_\_\_\_git push origin master\_\_\_\_\_\_\_

Write the steps in pushing code up to GitHub (extra credit):

Create a new repository in Github

Name your Repository

Copy the command for adding remote

Paste it in your Workspace

Push to Github

Name 3 benefits of using version control system:

1. \_\_visual change indication\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_easily keep track of changes\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_makes collaboration easier\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fill in the Blank:

Compare and Contrast Web Application vs. Web Page

Web Application (Pros) – name 2

1. Database connectivity allows for data retrieval when the application is down
2. Interactivity - Connect one app to another (

Web Page (Pros) – name 2

1. cheaper
2. Doesn’t require installation

Web Application (Cons) – name 2

1. If the application breaks, takes longer time to fix it.
2. Needs update

Web Page (Cons) – name 2

1. Lacks HCI
2. Lacks complexity

HTML + CSS

1. You can style your HTML document by linking your CSS file in the following ways:
2. \_Inline-by using the style attribute inside HTML elements\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_Internal-by using a <style> element in the <head>section\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_External-by using a<link> element to link to an external CSS file\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Specify what each of the following represents in the CSS format (match the correct choice):

p {

text-align: center;

color: blue;

}

1. html element/css selector
2. property
3. value

p : \_\_a\_\_\_\_\_

text-align: \_\_\_\_b\_\_\_\_\_

color: \_\_b\_\_\_\_\_\_

center: \_\_\_c\_\_\_\_\_\_

blue: \_\_\_\_c\_\_\_\_\_

1. For the following html code, write the css targeting the id and the class. The property for the id is color with a value of red. The property for the class is text-align with a value of center.

<style>

.greeting{text-align:center;}

#greet{color:red}

<style>

<body>

<h1 id=”greet”>Greeting</h1>

<p class=”greeting”>Hello</p>

<p class=”greeting”>Goodbye</p>

</body>

JavaScript

1. Please indicate if the following is TRUE or FALSE. An array data structure must contain the same data type (example: let arr = [“hi”, “Bye”, “greeting”]
2. List 3 methods that can be called by the array data structure:
3. \_\_ document.getElementById("hh").addEventListener("click", displayDate);
4. \_\_\_\_\_ document.getElementById("hh").addEventListener("mousedown", displayDate);
5. \_\_\_\_\_\_\_\_ document.getElementById("hh").addEventListener("mouseout", displayDate);
6. Name the 3 types of event listeners we mentioned in class:
7. \_\_\_keydown\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. \_\_\_\_\_\_\_keyup\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. \_\_\_\_\_\_\_\_\_\_mouse click\_\_\_\_\_\_\_\_\_\_\_\_\_
10. Convert the following into an arrow function:

function multiply (x, y) {

return x \* y;

}

Write your arrow function in the space below:

const multiply =(x,y)=>x\*y;

1. Convert the following arrow function to a regular function with “function” declaration:

const multiply = (arg1, arg2, arg3) {

arg1 \* arg2 \* arg3

}

Write your answer in the space below:

function multipy(arg1,arg2,arg3){

arg1 \* arg2 \* arg3;

}

1. Translate the following outline to a site diagram:
2. Home
3. Welcome
4. Preview of what’s on the site
5. An overview of CSS
6. Syntax
   1. Overview
   2. Selectors
   3. Properties
   4. Values
7. Colors & Background
   1. Colors & Background Colors

i. Different ways to code colors

ii. Importance of color coordination

iii. More CSS

* 1. Background Images

i. size

ii. repeat

Diagram

Colors

background

syntax

Home

Welcome

Previes of what’s on the site

An overview of css

Color

Different wats to code colors

Importance of color coordination

More css

Overview

Selecors

Properties

Values

Background images

Size

repeat