***Git add .* |** adds all files to commit queue

***Git status* |** current status of files in directory

***git commit -m “textbox”* |** schedule change to push queue with message textbox

***git remote add origin*** [***https://github.com/lrkellar/courseratest.git***](https://github.com/lrkellar/courseratest.git) **|**adds new repository directory

***git push -u origin master*** | push changes in this branch of the repository

***git push*****|** pushes changes

**Browser-sync commands**

***Browser-sync start –server –directory –files “\*\*/\*”* |** opens a local browser window that updates when the .html file is saved over locally

**HTML Tags**

***<br>* |** line break, no closing tag

***<hr>* |** horizontal rule, no closing tag

***<meta charset=”utf-8”>* |**Defines the character type to be displayed, has no closing tag

Attributes must be defined in the opening tag

All html docs must start with ***<!doctype html>***

Example

**<!doctype html>**

**<html>**

**<head>**

**<meta charset=”utf-8”>**

**<title>** Coursera is…**</title>**

**<link rel=”stylesheet” href=”style.css”>**

**<p style=”text-align: center;>**

**<style>**

**</head>**

**<body>**

Primary content

**</body>**

**<footer>**

**</footer>**

**</html>**

**<!—Html comment format 🡪**

**IMG** tag inline, height, width, alt tag, defining height and width prevents page jumping during loading

.blue { color: blue; } | creates a blue class, applies all css rules to any element whose class is defined as blue, ie: <p class=”blue”> </p>

#IDName { color: blue; } | Sets css rule for for id=”IDName” blocks

Div, .blue { color: blue;} | Sets css rule for both div elements and for class id blue

**p.big { css rules } |** applies to all paragraphs with the big class

article > p { color: blue;} child selector sets rules for all paragraphs directly within article, excludes sub elements

article p { color: blue;} Descendant selector sets rules for all paragraphs within article including all sub elements

can also be used with class identifiers

<div class=”Mainpoint highlight”> | set div class to both mainpoint and highlight

.highlight.mainpoint {css rules} | sets rules for only element ids that are both highlight and mainpoint

Pseudo-class selectors

a:link | css rules for treatment as a link

a:visited | css rules applied after the link has been activated

a:hover | css rules for while mouse is hovering over the object

a:active | css rules for while the mouse button is depressed but not yet released

header li:nth-child(3) | sets css rules for the 3rd item of list header

CSS Conflict resolution

Origin precedence rule: Last declaration wins, top down left to right is precedence order

Merge: allows an element to have different attributes defined in different places

Inheritance: all descendants inherit property

Specificity: Most specific selector combination gets applied

Style > ID > Class > # of Elements

!important nuclear option to increase rank

Styles

Font-family: “Times New Roman”, Times, serif;

Descending order of options if that font set is absent

Color: #hexdecimal value

Font-weight: bold level

Font-size: 24px; standard is 16, can also be defined as % of whatever the users default is

: 2em;” sets relative to base, defined as doubling the size of m in the alphabet

: .5em;” works the same to decrease

Box model margin : border : padding : content

// is comment format

Body { Margin: 0; Padding 0: } // sets margin to baseline, overriding clients default settings

Padding: top right bottom leftpx

Border: px solid black;

Box-sizing: border-box; // allows you to define whether width is defined by content or border, strongly recommends always setting to border-box

\* { box-sizing: border-box;} //applies it global, can use with margin definitions

Tob bottom border is the setting of the larger margin, side margins are cumulative

Overflow: auto; //generates a scroll bar for the box, setting determines how overflow is displayed

#bg { background-image: url (“local.png”) | needs to be a file located relative to the url

Floating element margins never collapse

Floating elements are outside of normal document flow

Clear: left; //

Floats are at top of restraining element

@media is an if then statement for device specific targeting

Min and max width px is commonly usede to target devices

@media (min-width: 768) and (max-width: 991px) {CSS code}

Bootstrap grid system basics

<div class=”container”> // or class=”container-fluid”, fluid containers fill the screen

Grid system must be in a container class

.row // defaults to make edge of columns line up with the screen

Col-medium-4 // col-SIZE-SPAN sets predetermined column sizing based on screen size

Nav bar class id=header-nav

Class=”container-fluid” | attempts to fill screen with a 15px padding

<header>

<nav id=”header-nav” class=”navbar navbar-default”> /\* color is defined in id #header-nav in css sheet

<div class=”container”>

<div class=”navbar-header”>

<a href=”Index.html” class=”pull-left visible-md”> /\*bootstrap class to float left, also set to be visible only at medium size\*/

<div id=”logo-img” alt=”Logo image”></div>

</a>

</div>

</nav>

<div class=”navbar-brand”>

<a href=”index.html”><h1> *Company Name*</h1></a> /\* a href makes the element clickable\*/

</header>

Font-size: 5vw; /\* sets font size at 5% of viewer width, 1 vw = 1% etc \*/

<hr class=”visible-xs”> horizontal rule

<script src=”js/script.js”></script>

<script> </script> this locates where the javascript code runs in the website

**JavaScript**

Function a () {}

A(); executes function

Function test1 (a) {

Console.log( a / 5);

}

Test1();

Throws a code of object a isn’t a number, used to test delivery of data to new function

( x === y) strict equality condition, requires inputs to be same class and value

|| or

&& logical true, requires both sides to be true

Var x initiates variable

i++ is i+1

i—is i-1

function orderChickenWith(sideDish) {

if (sideDish === undefined) {

sideDish = “noodles”

}

Console.og(“Chicken with “ + sideDish);

}

Sets default value when called

Alternative

sideDish = sideDish || “whatever”;

var self = this; //use for local value reference to prevent descendant functions from referencing global parameters

**function Dog(name) {**

**this.name = name;**

**}**

**Dog.prototype.bark = function () {**

**console.log(this.name + " likes barking! Bark!");**

**}**

**var max = new Dog("Max", "Buddy");**

**max.bark();**

outputs max likes barking! Bark!

For (var i = 0; I < names.length; i++) { console.log(“hello “ + names[i]);

For (var prop in my Obj) {

Console.log(prop + “: “ + myObj[prop]);

}

Arrays are just objects

(function () {

Console.log(“Hello”);

})();

// Immediately invoked function expression

Window.function = function // pushes local function to global access by attaching it to the window, but requires a function input of window

JS <script> can be placed at the bottom of the html file to allow the page to load before executing the script code

Function sayHello () {

Console.log(

Document.getElementByID(“name”).value

);

}

// pulls value from element labeled name and outputs to console

Document.queryselector(“#title”).textcontent;

Vs .queryallselector()

Document.querySelector(“button”).addEventListener(“click”, sayHello);

Or

Document.querySelector(“button”).onclick = sayHello;

Both are js looking for button to be pressed to run function say hello

Console.log(this) // can be used to identify containing element

Events can be used as inputs for functions ie: function sayHello (event) {script}

Console.log(event) will show the properties (data point gathered) when event occurs

http methods

get command: Retrieves a resource

post command: sends data to server

JSON: JavaScriptObjectNotation – is actually a string, will need parsed

Var obj = JSON.parse(jsonString);

Var str = JSON.stringify(obj);

JSON property names require double quotes

Window.innerwidth gives width of window rather than hardware width of screen

{{name}} used to dynamically located and replaced content

.replace(new RegExp(“target”, “g”), “new”); // replaces all, due to “g”, targets to new