## ME220 Final Exam Study Sheet

ME 220 Intro to Web Programming

## W3 Schools

- JavaScript Tutorial (<a href="https://www.w3schools.com/js/default.asp">https://www.w3schools.com/js/default.asp</a>)
- JavaScript Introduction (<a href="https://www.w3schools.com/js/js">https://www.w3schools.com/js/js</a> intro.asp)
- Putting JS in a web page (<a href="https://www.w3schools.com/js/js">https://www.w3schools.com/js/js</a> whereto.asp)
- Printing with JS (<a href="https://www.w3schools.com/js/js">https://www.w3schools.com/js/js</a> output.asp)
- JS Statements (https://www.w3schools.com/js/js\_statements.asp)
- JS Syntax (https://www.w3schools.com/js/js\_syntax.asp)
- JS Comments (<a href="https://www.w3schools.com/js/js">https://www.w3schools.com/js/js</a> comments.asp)
- JS Variables (https://www.w3schools.com/js/js variables.asp)
- Let and Const (<a href="https://www.w3schools.com/js/js">https://www.w3schools.com/js/js</a> let.asp and https://www.w3schools.com/js/js const.asp)
- Operators, Arithmetic, and Assignment (<a href="https://www.w3schools.com/js/js\_operators.asp">https://www.w3schools.com/js/js\_arithmetic.asp</a>,
   <a href="https://www.w3schools.com/js/js\_assignment.asp">https://www.w3schools.com/js/js\_assignment.asp</a>)
- Strings, numbers, Booleans, arrays, objects (<a href="https://www.w3schools.com/js/js">https://www.w3schools.com/js/js</a> datatypes.asp)
- Functions (<a href="https://www.w3schools.com/js/js-functions.asp">https://www.w3schools.com/js/js-functions.asp</a>)
- Objects (https://www.w3schools.com/js/js objects.asp)
- Events (<a href="https://www.w3schools.com/js/js\_events.asp">https://www.w3schools.com/js/js\_events.asp</a>)
- Strings (<a href="https://www.w3schools.com/js/js\_strings.asp">https://www.w3schools.com/js/js\_strings.asp</a>, +Methods, +Search)
- Numbers: Integers vs Floating-Point (<a href="https://www.w3schools.com/js/js\_numbers.asp">https://www.w3schools.com/js/js\_numbers.asp</a>, +Number Methods)
- Arrays (https://www.w3schools.com/js/js\_arrays.asp, +Methods, +Sort, +Iteration)
- And more (+Math, +Booleans, +Comparisons, +If Else, +Switch, +Loop For, +Loop While, +Break)
- HTML DOM (<a href="https://www.w3schools.com/js/js">httmldom.asp</a>)
- DOM Methods (<a href="https://www.w3schools.com/js/js">https://www.w3schools.com/js/js</a> htmldom methods.asp)
- DOM Document (<a href="https://www.w3schools.com/js/js">https://www.w3schools.com/js/js</a> htmldom document.asp)
- Finding DOM Elements (https://www.w3schools.com/js/js htmldom elements.asp)
- Changing DOM Elements (https://www.w3schools.com/js/js htmldom html.asp)
- AJAX Intro (https://www.w3schools.com/js/js ajax intro.asp, +XMLHttpRequest)
- JS Canvas (https://www.w3schools.com/js/js\_graphics\_canvas.asp)
- JS Chart.js (https://www.w3schools.com/js/js\_graphics\_chartjs.asp)

## Notes from the GitHub Repo

https://github.com/microwerx/gsbc-intro-web/

## Terms

Computer program   List of instructions to be executed by a computer.	1 0 1 1 1 1 0	
Syntax The set of rules defining a programming language Literals Fixed values like strings, numbers, and Boolean values Variables Declared names that store data values Comments Syntax to explain code to make it readable Identifier A unique name to identify a variable Let A mutable variable Const An immutable reference to a variable Const An immutable value to a variable (Objects are mutable, but literals are not) Operators Literals in a programming language for doing arithmetic and assignment Modulus The % literal returns integer remainder Boolean A value that is either true or false Boolean Algebra A set of rules that operate on Boolean values: AND, OR, NOT, XOR Global Scope Variables cannot be accessed from outside a function Function Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside the block JSON JavaScript Object Notation (http://json.org) Debugging Searching and Fixing code that has syntax errors or logical errors JavaScript debugger All modern browsers have a built-in JS debugger (know how yours works1) Breakpoint Set a place where code execution can be stopped Console.log() A method to print JS values in the debugger window (a form of debugging) DOM Document Object Model Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions) Methods Actions you can perform on objects (also called member variables) Constructor A method objects use to initialize themselves. AJAX Asynchronous JavaScript and XMI. HTML Hypertext Markup Language CON Content Delivery Network REST Representational State Transfer (an architecture) HTTP Methods GET, POST, DELETE, PUT CRUD Create, Read, Update, Modify SQL Structured Query Language used in databases HHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol	Computer program	List of instructions to be executed by a computer.
Literals Fixed values like strings, numbers, and Boolean values  Variables Declared names that store data values  Comments Syntax to explain code to make it readable  Identifier A unique name to identify a variable  Let A mutable variable  Const An immutable reference to a variable  Constant An immutable value to a variable (Objects are mutable, but literals are not)  Operators Literals in a programming language for doing arithmetic and assignment  Modulus The % literal returns integer remainder  Boolean Algebra A value that is either true or false  Boolean Algebra A set of rules that operate on Boolean values: AND, OR, NOT, XOR  Global Scope Variables can be accessed anywhere in the program  Function Scope Variables cannot be accessed from outside a function  Block Scope Variables cannot be accessed from outside the block  JSON JavaScript Object Notation (http://json.org)  Debugging Searching and Fixing code that has syntax errors or logical errors  JavaScript debugger  Breakpoint Set a place where code execution can be stopped  Console.log() A method to print IS values in the debugger window (a form of debugging)  DOM Document Object Model  Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)  Methods Actions you can perform on objects (also called member variables)  Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML  HTML Hypertext Markup Language  CON Content Delivery Network  REST Representational State Transfer (an architecture)  HTTP Methods GET, POST, DELETE, PUT  CRUD Create, Read, Update, Modify  SQL Structured Query Language used in databases  PHP and Perl Scripting languages geared towards web development  UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  A	Statements	Programming instructions in a programming language
Variables  Declared names that store data values  Comments  Syntax to explain code to make it readable  Identifier  A unique name to identify a variable  Let  A mutable variable  Const  An immutable reference to a variable  Constant  An immutable reference to a variable (Objects are mutable, but literals are not)  Operators  Literals in a programming language for doing arithmetic and assignment  Modulus  The % literal returns integer remainder  Boolean  A value that is either true or false  Boolean Algebra  A set of rules that operate on Boolean values: AND, OR, NOT, XOR  Global Scope  Variables can be accessed anywhere in the program  Function Scope  Variables cannot be accessed from outside a function  Block Scope  Variables cannot be accessed from outside a function  Block Scope  Variables cannot be accessed from outside the block  JSON  JavaScript Object Notation (http://ison.org)  Searching and Fixing code that has syntax errors or logical errors  JavaScript debugger  All modern browsers have a built-in JS debugger (know how yours works!)  Breakpoint  Set a place where code execution can be stopped  Console.log()  A method to print JS values in the debugger window (a form of debugging)  DOM  Document Object Model  Object  A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)  Methods  Actions you can perform on objects (also called member functions)  Properties  Values that you can set or change on objects (also called member variables)  Constructor  A method objects use to initialize themselves.  AJAX  Asynchronous JavaScript and XML  HTML  Hypertext Markup Language  CDN  Content Delivery Network  REST  Representational State Transfer (an architecture)  HTTP Methods  GET, POST, DELETE, PUT  CRUD  Create, Read, Update, Modify  SQL  Structured Query Language used in databases  HHP and Perl  Scripting languages geared towards web development  UNIX  A multiuser operating system in general use as servers  URL  Uniform Resource Locator  Turing Comple	Syntax	The set of rules defining a programming language
Comments Syntax to explain code to make it readable Identifier A unique name to identify a variable Let A mutable variable Const An immutable reference to a variable Constant An immutable value to a variable (Objects are mutable, but literals are not) Operators Literals in a programming language for doing arithmetic and assignment Modulus The % literal returns integer remainder Boolean A value that is either true or false Boolean Algebra A set of rules that operate on Boolean values: AND, OR, NOT, XOR Global Scope Variables can be accessed anywhere in the program Function Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside the block JSON JavaScript Object Notation ( <a href="http://ison.org">http://ison.org</a> ) Debugging Searching and Fixing code that has syntax errors or logical errors JavaScript debugger Almodern browsers have a built-in JS debugger (know how yours works!) Breakpoint Set a place where code execution can be stopped Console.log() A method to print JS values in the debugger window (a form of debugging) DOM Document Object Model Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions) Methods Actions you can perform on objects (also called member functions) Properties Values that you can set or change on objects (also called member variables) Constructor A method objects use to initialize themselves. AJAX Asynchronous JavaScript and XML HTML Hypertext Markup Language CDN Content Delivery Network REST Representational State Transfer (an architecture) HTTP Methods GET, POST, DELETE, PUT CRUD Create, Read, Update, Modify SQL Structured Query Language used in databases PHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common t	Literals	Fixed values like strings, numbers, and Boolean values
Identifier	Variables	Declared names that store data values
Let A mutable variable Const An immutable reference to a variable Const An immutable reference to a variable (Objects are mutable, but literals are not) Operators Literals in a programming language for doing arithmetic and assignment Modulus The % literal returns integer remainder Boolean A value that is either true or false Boolean A value that is either true or false Boolean Algebra A set of rules that operate on Boolean values: AND, OR, NOT, XOR Global Scope Variables can be accessed anywhere in the program Function Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside the block JSON JavaScript Object Notation (http://ison.org) Debugging Searching and Fixing code that has syntax errors or logical errors JavaScript debugger All modern browsers have a built-in JS debugger (know how yours works!) Breakpoint Set a place where code execution can be stopped Console.log() A method to print JS values in the debugger window (a form of debugging) DOM Document Object Model Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions) Methods Actions you can perform on objects (also called member functions) Properties Values that you can set or change on objects (also called member variables) Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML HTML Hypertext Markup Language CDN Content Delivery Network REST Representational State Transfer (an architecture) HTTP Methods GET, POST, DELETE, PUT CRUD Create, Read, Update, Modify SQL Structured Query Language used in databases PHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common texture editor in UNIX systems Algorithm	Comments	Syntax to explain code to make it readable
Const  An immutable reference to a variable Constant  An immutable value to a variable (Objects are mutable, but literals are not) Operators  Literals in a programming language for doing arithmetic and assignment Modulus  The % literal returns integer remainder Boolean  A value that is either true or false Boolean Algebra  A set of rules that operate on Boolean values: AND, OR, NOT, XOR Global Scope  Variables can be accessed anywhere in the program Function Scope  Variables cannot be accessed from outside a function Block Scope  Variables cannot be accessed from outside the block  JSON  JavaScript Object Notation (http://ison.org)  Debugging  Searching and Fixing code that has syntax errors or logical errors JavaScript debugger  All modern browsers have a built-in JS debugger (know how yours works!)  Set a place where code execution can be stopped Console.log()  A method to print JS values in the debugger window (a form of debugging)  DOM  Document Object Model  Object  A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)  Properties  Values that you can set or change on objects (also called member variables)  Constructor  A method objects use to initialize themselves.  AJAX  Asynchronous JavaScript and XML  HTML  Hypertext Markup Language  CON  Content Delivery Network  REST  Representational State Transfer (an architecture)  HTTP Methods  GET, POST, DELETE, PUT  CRUD  Create, Read, Update, Modify  SQL  Structured Query Language used in databases  PHP and Perl  Scripting languages geared towards web development  UNIX  A multiuser operating system in general use as servers  URL  Uniform Resource Locator  Turing Complete  Supports changing memory, a conditional branch, and comparison  SSH  Secure Shell protocol for operating network services  Vi (and Vim)  A finite sequence of well-defined instructions to solve specific problems.	Identifier	A unique name to identify a variable
Constant An immutable value to a variable (Objects are mutable, but literals are not) Operators Literals in a programming language for doing arithmetic and assignment Modulus The % literal returns integer remainder Boolean A value that is either true or false Boolean A value that is either true or false Boolean Algebra A set of rules that operate on Boolean values: AND, OR, NOT, XOR Global Scope Variables can be accessed anywhere in the program Function Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be ac	Let	A mutable variable
Deperators Literals in a programming language for doing arithmetic and assignment Modulus The % literal returns integer remainder Boolean A value that is either true or false Boolean Algebra A set of rules that operate on Boolean values: AND, OR, NOT, XOR Global Scope Variables can be accessed anywhere in the program Function Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside the block JSON JavaScript Object Notation (http://json.org) Debugging Searching and Fixing code that has syntax errors or logical errors JavaScript debugger All modern browsers have a built-in JS debugger (know how yours works!) Breakpoint Set a place where code execution can be stopped Console.log() A method to print JS values in the debugger window (a form of debugging) DOM Document Object Model Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions) Methods Actions you can perform on objects (also called member functions) Properties Values that you can set or change on objects (also called member variables) Constructor A method objects use to initialize themselves. AJAX Asynchronous JavaScript and XML HTML Hypertext Markup Language CDN Content Delivery Network REST Representational State Transfer (an architecture) HTTP Methods GET, POST, DELETE, PUT CRUD Create, Read, Update, Modify SQL Structured Query Language used in databases PHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Vi (and Vim) A finite sequence of well-defined instructions to solve specific problems.	Const	An immutable reference to a variable
Modulus         The % literal returns integer remainder           Boolean         A value that is either true or false           Boolean Algebra         A set of rules that operate on Boolean values: AND, OR, NOT, XOR           Global Scope         Variables can be accessed anywhere in the program           Function Scope         Variables cannot be accessed from outside a function           Block Scope         Variables cannot be accessed from outside the block           JSON         JavaScript Object Notation (http://ison.org)           Debugging         Searching and Fixing code that has syntax errors or logical errors           JavaScript debugger         All modern browsers have a built-in JS debugger (know how yours works!)           Breakpoint         Set a place where code execution can be stopped           Console.log()         A method to print JS values in the debugger window (a form of debugging)           DOM         Document Object Model           Object         A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)           Methods         Actions you can perform on objects (also called member functions)           Properties         Values that you can set or change on objects (also called member variables)           Constructor         A method objects use to initialize themselves.           AJAX         Asynchronous JavaScript and XML	Constant	An immutable value to a variable (Objects are mutable, but literals are not)
Boolean         A value that is either true or false           Boolean Algebra         A set of rules that operate on Boolean values: AND, OR, NOT, XOR           Global Scope         Variables can be accessed anywhere in the program           Function Scope         Variables cannot be accessed from outside a function           Block Scope         Variables cannot be accessed from outside the block           JSON         JavaScript Object Notation (http://ison.org)           Debugging         Searching and Fixing code that has syntax errors or logical errors           JavaScript debugger         All modern browsers have a built-in JS debugger (know how yours works!)           Breakpoint         Set a place where code execution can be stopped           Console.log()         A method to print JS values in the debugger window (a form of debugging)           DOM         Document Object Model           Object         A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)           Methods         Actions you can perform on objects (also called member functions)           Properties         Values that you can set or change on objects (also called member variables)           AJAX         Asynchronous JavaScript and XML           HTML         Hypertext Markup Language           CDN         Content Delivery Network           REST         Represe	Operators	Literals in a programming language for doing arithmetic and assignment
Boolean Algebra         A set of rules that operate on Boolean values: AND, OR, NOT, XOR           Global Scope         Variables can be accessed anywhere in the program           Function Scope         Variables cannot be accessed from outside a function           Block Scope         Variables cannot be accessed from outside the block           JSON         JavaScript Object Notation (http://json.org)           Debugging         Searching and Fixing code that has syntax errors or logical errors           JavaScript debugger         All modern browsers have a built-in JS debugger (know how yours works!)           Breakpoint         Set a place where code execution can be stopped           Console.log()         A method to print JS values in the debugger window (a form of debugging)           DOM         Document Object Model           Object         A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)           Methods         Actions you can perform on objects (also called member functions)           Properties         Values that you can set or change on objects (also called member variables)           Constructor         A method objects use to initialize themselves.           AJAX         Asynchronous JavaScript and XML           HTML         Hypertext Markup Language           CDN         Content Delivery Network           REST	Modulus	The % literal returns integer remainder
Global Scope Variables can be accessed anywhere in the program Function Scope Variables cannot be accessed from outside a function Block Scope Variables cannot be accessed from outside the block JSON JavaScript Object Notation (http://json.org) Debugging Searching and Fixing code that has syntax errors or logical errors JavaScript debugger All modern browsers have a built-in JS debugger (know how yours works!) Breakpoint Set a place where code execution can be stopped Console.log() A method to print JS values in the debugger window (a form of debugging) DOM Document Object Model Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions) Methods Actions you can perform on objects (also called member functions) Properties Values that you can set or change on objects (also called member variables) Constructor A method objects use to initialize themselves. AJAX Asynchronous JavaScript and XML HTML Hypertext Markup Language CDN Content Delivery Network REST Representational State Transfer (an architecture) HTTP Methods GET, POST, DELETE, PUT CRUD Create, Read, Update, Modify SQL Structured Query Language used in databases PHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common texture editor in UNIX systems Algorithm A finite sequence of well-defined instructions to solve specific problems.	Boolean	A value that is either true or false
Function Scope Variables cannot be accessed from outside a function  Block Scope Variables cannot be accessed from outside the block  JSON JavaScript Object Notation (http://json.org)  Debugging Searching and Fixing code that has syntax errors or logical errors  All modern browsers have a built-in JS debugger (know how yours works!)  Breakpoint Set a place where code execution can be stopped  Console.log() A method to print JS values in the debugger window (a form of debugging)  DOM Document Object Model  Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)  Methods Actions you can perform on objects (also called member variables)  Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML  HTML Hypertext Markup Language  CDN Content Delivery Network  REST Representational State Transfer (an architecture)  HTTP Methods GET, POST, DELETE, PUT  CRUD Create, Read, Update, Modify  SQL Structured Query Language used in databases  PHP and Perl Scripting languages geared towards web development  UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  A finite sequence of well-defined instructions to solve specific problems.	Boolean Algebra	A set of rules that operate on Boolean values: AND, OR, NOT, XOR
Block Scope Variables cannot be accessed from outside the block JSON JavaScript Object Notation (http://json.org)  Debugging Searching and Fixing code that has syntax errors or logical errors  JavaScript debugger All modern browsers have a built-in JS debugger (know how yours works!)  Breakpoint Set a place where code execution can be stopped  Console.log() A method to print JS values in the debugger window (a form of debugging)  DOM Document Object Model  Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)  Methods Actions you can perform on objects (also called member variables)  Properties Values that you can set or change on objects (also called member variables)  Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML  HTML Hypertext Markup Language  CDN Content Delivery Network  REST Representational State Transfer (an architecture)  HTTP Methods GET, POST, DELETE, PUT  CRUD Create, Read, Update, Modify  SQL Structured Query Language used in databases  PHP and Perl Scripting languages geared towards web development  UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.	Global Scope	Variables can be accessed anywhere in the program
JSON JavaScript Object Notation (http://json.org)  Debugging Searching and Fixing code that has syntax errors or logical errors  JavaScript debugger All modern browsers have a built-in JS debugger (know how yours works!)  Breakpoint Set a place where code execution can be stopped  Console.log() A method to print JS values in the debugger window (a form of debugging)  DOM Document Object Model  Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)  Methods Actions you can perform on objects (also called member variables)  Properties Values that you can set or change on objects (also called member variables)  Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML  HTML Hypertext Markup Language  CDN Content Delivery Network  REST Representational State Transfer (an architecture)  HTTP Methods GET, POST, DELETE, PUT  CRUD Create, Read, Update, Modify  SQL Structured Query Language used in databases  PHP and Perl Scripting languages geared towards web development  UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.	Function Scope	Variables cannot be accessed from outside a function
Debugging Searching and Fixing code that has syntax errors or logical errors JavaScript debugger All modern browsers have a built-in JS debugger (know how yours works!) Breakpoint Set a place where code execution can be stopped Console.log() A method to print JS values in the debugger window (a form of debugging) DOM Document Object Model Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions) Methods Actions you can perform on objects (also called member functions) Properties Values that you can set or change on objects (also called member variables) Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML HTML Hypertext Markup Language CDN Content Delivery Network REST Representational State Transfer (an architecture) HTTP Methods GET, POST, DELETE, PUT CRUD Create, Read, Update, Modify SQL Structured Query Language used in databases PHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common texture editor in UNIX systems Algorithm A finite sequence of well-defined instructions to solve specific problems.	Block Scope	Variables cannot be accessed from outside the block
JavaScript debugger  Breakpoint  Set a place where code execution can be stopped  Console.log()  A method to print JS values in the debugger window (a form of debugging)  DOM  Document Object Model  Object  A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)  Methods  Actions you can perform on objects (also called member variables)  Constructor  A method objects use to initialize themselves.  AJAX  Asynchronous JavaScript and XML  HTML  Hypertext Markup Language  CDN  Content Delivery Network  REST  Representational State Transfer (an architecture)  HTTP Methods  GET, POST, DELETE, PUT  CRUD  Create, Read, Update, Modify  SQL  Structured Query Language used in databases  PHP and Perl  Scripting languages geared towards web development  UNIX  A multiuser operating system in general use as servers  URL  Uniform Resource Locator  Turing Complete  Supports changing memory, a conditional branch, and comparison  SSH  Secure Shell protocol for operating network services  Vi (and Vim)  A finite sequence of well-defined instructions to solve specific problems.	JSON	JavaScript Object Notation (http://json.org)
Breakpoint Set a place where code execution can be stopped Console.log() A method to print JS values in the debugger window (a form of debugging) DOM Document Object Model Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions) Methods Actions you can perform on objects (also called member functions) Properties Values that you can set or change on objects (also called member variables) Constructor A method objects use to initialize themselves. AJAX Asynchronous JavaScript and XML HTML Hypertext Markup Language CDN Content Delivery Network REST Representational State Transfer (an architecture) HTTP Methods GET, POST, DELETE, PUT CRUD Create, Read, Update, Modify SQL Structured Query Language used in databases PHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common texture editor in UNIX systems Algorithm A finite sequence of well-defined instructions to solve specific problems.	Debugging	Searching and Fixing code that has syntax errors or logical errors
Console.log()  A method to print JS values in the debugger window (a form of debugging)  DOM  Document Object Model  Object  A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)  Methods  Actions you can perform on objects (also called member functions)  Properties  Values that you can set or change on objects (also called member variables)  Constructor  A method objects use to initialize themselves.  AJAX  Asynchronous JavaScript and XML  HTML  Hypertext Markup Language  CDN  Content Delivery Network  REST  Representational State Transfer (an architecture)  HTTP Methods  GET, POST, DELETE, PUT  CRUD  Create, Read, Update, Modify  SQL  Structured Query Language used in databases  PHP and Perl  Scripting languages geared towards web development  UNIX  A multiuser operating system in general use as servers  URL  Uniform Resource Locator  Turing Complete  Supports changing memory, a conditional branch, and comparison  SSH  Secure Shell protocol for operating network services  Vi (and Vim)  A finite sequence of well-defined instructions to solve specific problems.	JavaScript debugger	All modern browsers have a built-in JS debugger (know how yours works!)
DOM Document Object Model Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions) Methods Actions you can perform on objects (also called member functions) Properties Values that you can set or change on objects (also called member variables) Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML HTML Hypertext Markup Language CDN Content Delivery Network REST Representational State Transfer (an architecture) HTTP Methods GET, POST, DELETE, PUT CRUD Create, Read, Update, Modify SQL Structured Query Language used in databases PHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common texture editor in UNIX systems Algorithm A finite sequence of well-defined instructions to solve specific problems.	Breakpoint	Set a place where code execution can be stopped
Object A custom data type that encapsulates data (member variables, or properties) and code (methods, or member functions)  Methods Actions you can perform on objects (also called member functions)  Properties Values that you can set or change on objects (also called member variables)  Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML  HTML Hypertext Markup Language  CDN Content Delivery Network  REST Representational State Transfer (an architecture)  HTTP Methods GET, POST, DELETE, PUT  CRUD Create, Read, Update, Modify  SQL Structured Query Language used in databases  PHP and Perl Scripting languages geared towards web development  UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.	Console.log()	A method to print JS values in the debugger window (a form of debugging)
methods Actions you can perform on objects (also called member functions)  Properties Values that you can set or change on objects (also called member variables)  Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML  HTML Hypertext Markup Language  CDN Content Delivery Network  REST Representational State Transfer (an architecture)  HTTP Methods GET, POST, DELETE, PUT  CRUD Create, Read, Update, Modify  SQL Structured Query Language used in databases  PHP and Perl Scripting languages geared towards web development  UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.	DOM	Document Object Model
methods Actions you can perform on objects (also called member functions)  Properties Values that you can set or change on objects (also called member variables)  Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML  HTML Hypertext Markup Language  CDN Content Delivery Network  REST Representational State Transfer (an architecture)  HTTP Methods GET, POST, DELETE, PUT  CRUD Create, Read, Update, Modify  SQL Structured Query Language used in databases  PHP and Perl Scripting languages geared towards web development  UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.	Object	A custom data type that encapsulates data (member variables, or
Properties Values that you can set or change on objects (also called member variables)  Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML  HTML Hypertext Markup Language  CDN Content Delivery Network  REST Representational State Transfer (an architecture)  HTTP Methods GET, POST, DELETE, PUT  CRUD Create, Read, Update, Modify  SQL Structured Query Language used in databases  PHP and Perl Scripting languages geared towards web development  UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.		
Constructor A method objects use to initialize themselves.  AJAX Asynchronous JavaScript and XML HTML Hypertext Markup Language  CDN Content Delivery Network  REST Representational State Transfer (an architecture)  HTTP Methods GET, POST, DELETE, PUT  CRUD Create, Read, Update, Modify  SQL Structured Query Language used in databases  PHP and Perl Scripting languages geared towards web development  UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.	Methods	Actions you can perform on objects (also called member functions)
AJAX Asynchronous JavaScript and XML HTML Hypertext Markup Language CDN Content Delivery Network REST Representational State Transfer (an architecture) HTTP Methods GET, POST, DELETE, PUT CRUD Create, Read, Update, Modify SQL Structured Query Language used in databases PHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common texture editor in UNIX systems Algorithm A finite sequence of well-defined instructions to solve specific problems.	Properties	Values that you can set or change on objects (also called member variables)
HTML Hypertext Markup Language CDN Content Delivery Network  REST Representational State Transfer (an architecture) HTTP Methods GET, POST, DELETE, PUT CRUD Create, Read, Update, Modify SQL Structured Query Language used in databases PHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common texture editor in UNIX systems Algorithm A finite sequence of well-defined instructions to solve specific problems.	Constructor	A method objects use to initialize themselves.
CDN Content Delivery Network  REST Representational State Transfer (an architecture)  HTTP Methods GET, POST, DELETE, PUT  CRUD Create, Read, Update, Modify  SQL Structured Query Language used in databases  PHP and Perl Scripting languages geared towards web development  UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.	AJAX	Asynchronous JavaScript and XML
REST Representational State Transfer (an architecture) HTTP Methods GET, POST, DELETE, PUT CRUD Create, Read, Update, Modify SQL Structured Query Language used in databases PHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common texture editor in UNIX systems Algorithm A finite sequence of well-defined instructions to solve specific problems.	HTML	Hypertext Markup Language
HTTP Methods  GET, POST, DELETE, PUT  CRUD  Create, Read, Update, Modify  SQL  Structured Query Language used in databases  PHP and Perl  Scripting languages geared towards web development  UNIX  A multiuser operating system in general use as servers  URL  Uniform Resource Locator  Turing Complete  Supports changing memory, a conditional branch, and comparison  SSH  Secure Shell protocol for operating network services  Vi (and Vim)  A common texture editor in UNIX systems  Algorithm  A finite sequence of well-defined instructions to solve specific problems.	CDN	Content Delivery Network
HTTP Methods  GET, POST, DELETE, PUT  CRUD  Create, Read, Update, Modify  SQL  Structured Query Language used in databases  PHP and Perl  Scripting languages geared towards web development  UNIX  A multiuser operating system in general use as servers  URL  Uniform Resource Locator  Turing Complete  Supports changing memory, a conditional branch, and comparison  SSH  Secure Shell protocol for operating network services  Vi (and Vim)  A common texture editor in UNIX systems  Algorithm  A finite sequence of well-defined instructions to solve specific problems.	REST	Representational State Transfer (an architecture)
SQL Structured Query Language used in databases PHP and Perl Scripting languages geared towards web development UNIX A multiuser operating system in general use as servers URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common texture editor in UNIX systems Algorithm A finite sequence of well-defined instructions to solve specific problems.	HTTP Methods	
PHP and Perl Scripting languages geared towards web development  UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.	CRUD	Create, Read, Update, Modify
UNIX A multiuser operating system in general use as servers  URL Uniform Resource Locator  Turing Complete Supports changing memory, a conditional branch, and comparison  SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.	SQL	Structured Query Language used in databases
URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common texture editor in UNIX systems Algorithm A finite sequence of well-defined instructions to solve specific problems.	PHP and Perl	Scripting languages geared towards web development
URL Uniform Resource Locator Turing Complete Supports changing memory, a conditional branch, and comparison SSH Secure Shell protocol for operating network services Vi (and Vim) A common texture editor in UNIX systems Algorithm A finite sequence of well-defined instructions to solve specific problems.	UNIX	A multiuser operating system in general use as servers
SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.	URL	Uniform Resource Locator
SSH Secure Shell protocol for operating network services  Vi (and Vim) A common texture editor in UNIX systems  Algorithm A finite sequence of well-defined instructions to solve specific problems.	Turing Complete	Supports changing memory, a conditional branch, and comparison
Algorithm A finite sequence of well-defined instructions to solve specific problems.	SSH	
	Vi (and Vim)	A common texture editor in UNIX systems
	Algorithm	A finite sequence of well-defined instructions to solve specific problems.