Vocabulary

Internet Terms

* **Internet** - a computer network sharing communication protocols
* **TCP/IP** - Telecommunication Protocol / Internet Protocol are the two means by which modern computers exchange information over the web
* **web** - nickname for internet
* **www** - world wide web
* **html** - hypertext markup language, uses to specify how webpages should display
* **DOM** - Document Object Model is html content within a webpage, a hierarchy of nested
* **server** - a computer that provides responses to requests
* **client** - a computer that makes requests of other computers
* **peer-to-peer** - client machines work together without use of a server
* **browser** - program for viewing websites

Terminal Commands/Reference

* **pwd** - present working directory tells you where you are in your filesystem
* **cd** - change directory can take you someplace else
* **.** - current directory
* **..** - one directory up
* **~** - shortcut for the current user's home directory
* **$HOME** - environment variable that points to the user's home directory (see ~)
* **mkdir** - make directory creates a new directory
* **touch** - create a blank file with the provided name
* **vi** - - visual editor
* **nano** - simple visual editor
* **emacs** - complex visual editor
* **sublime text** - text editor popular with developers
* **rm** - Remove file
* **rmdir** - remove directory
* **open** - open the specified file path in the Finder

Computer Programming Terms

* **function** - a block of code that accepts arguments and returns a value
* **method** - a function that is part of an object or class
* **integer** - a whole number
* **float** - a number that has a decimal point that can "float" around to make the number more or less precise, as needed
* **database** - a program optimized to store data and return (to store and return data)
* **variable** - a named store of value
* **Array** - an ordered list
* **Hash** - in Ruby, a key value pair. In other languages, these are known as associative arrays.
* **boolean** - either the value true or false
* **ORM** - Object Relational Mapping - code that defines objects that correspond with a relational database schema. (ActiveRecord, DataMapper)

Computer Programming Languages

* **ruby** - an elegant interpreted programming language built by Matz, coded in C
* **php** - HyperText preprocessor, interpreted programming language, coded in C
* **jsp** - Java Server Pages
* **asp** - Active Server Pages (Microsoft .NET technology)
* **javascript** - programming language that runs in web browsers, built around EMCA standards
* **ecmascript** - the list of standards that javascript is meant to adhere to
* **node.js** - extension of JavaScript that allows it to run on the server side
* **C#** - "C Sharp" compiled programming language that relies upon Microsoft's .NET compiler
* **java** - compiled programming language from Sun Microsystems that uses a Virtual Machine. Used for Android OS.
* **Objective C** - programming language for iOS mobile devices
* **Swift** - alternative to Objective C for iOS mobile devicse

Libraries and Frameworks

[(Links to an external site.)Links to an external site.](https://github.com/nycda-staff/nycda-curriculum/blob/master/vocabulary/libraries.md#frameworks)Frameworks

* **rails** - a Ruby MVC web framework
* **sinatra** - a Ruby web framework that favors simplicity
* **AngularJS** - a JavaScript based MVC framework (from Google)
* **Angular 2** - a 2nd generation JavaScript based framework
* **Backbone** - a JavaScript Famework

[(Links to an external site.)Links to an external site.](https://github.com/nycda-staff/nycda-curriculum/blob/master/vocabulary/libraries.md#libraries)Libraries

* **jQuery** - a JavaScript library that abstracts away browser differences, provides CSS selector functionality, and DOM manipulation/animation functionality

Packages

* **gem** - ruby library
* **jar** - java library (Java Archive)
* **tar** - tape archive