Web Development Practice

LEARN, PRACTICE AND BUILD!

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1. The roles of web technologies

The most widely used web technologies/languages are HTML, CSS, JavaScript, PHP, MySQL, ASP.NET http://ASP.NET, MS SQL Server. Others like JAVA, Ruby, Python, MangoDB, etc. are also available to choose from. The following table presents the roles of several technologies/languages, taking HTML, CSS, JavaScript, PHP, Node.js, MySQL, MongoDB as examples.

Technologies/Languages	Roles	Where it runs
HTML	Content and Structure (tex, images, tables, forms, etc)	Browser
CSS	Style and Presentation (color, fonts, background, margins, paddings, etc)	Browser
JavaScript	Client Side Scripting (dynamic user interaction, popups, form validation)	Browser
PHP, Node.js	Server Side Scripting (server side logic and data processing)	Server
MySQL, MangoDB	Data Management (store all sorts of data needed by a website)	Server

2. Basic technologies/languages

Front-end technologies majorly include the golden trinity: HTML for Content, CSS for Style, and JavaScript for Behavior.

* HTML

* CSS

CSS (Cascading Style Sheets) is a style sheet language that describes the presentation of an HTML (or XML) document. CSS describes how elements must be rendered on screen, on paper, or in other media. The reason why we use CSS to separate the presentation layer of our page way from functional part that we may use JavaScript to add rich functionality to the page and markup as well.

• Use # to target a ID defined in HTML files; use . to target a class defined in HTML files; just use the element name, e.g., body , h1 , for an element in HTML files.

* JavaScript

Primary tasks JavaScript does:

- Event Handling
- DOM (Document Object Model) Traversal
- DOM Manipulation
- Send/receive data without page refresh (AJAX)
- * PHP
- * JQuery

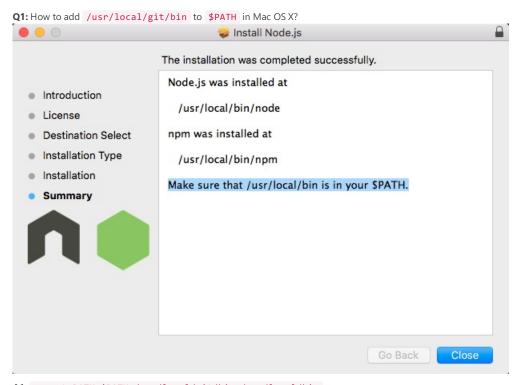
3. Web development with Drupal (or WordPress)

- Install Drupal on a AMPPS https://github.com/Tandysony/Web-Development-Practice/blob/master/Drupal_dev_docs/Install%20Drupal%20on%20AMPPS.md
- Web Development with Drupal 7 https://github.com/Tandysony/Web-Development-Practice/blob/master/Drupal_dev_docs/Web%20Development%20with%20Drupal%207.md

4. MEAN stack

The acronym MEAN stands for MongoDB Express.js AngularJS Node.js and represents a group of technologies which are known to synergize well together. The major benefit of the MEAN stack is that it's extremely quick to prototype with. Node.js allows you to use Javascript on the backend as well as the front-end which can save you from having to learn a separate language. In addition, the NoSQL nature of MongoDB allows you to quickly change and alter the data layer without having to worry about migrations, which is a very valuable attribute when you're trying to build a product without clear specifications. Finally, these technologies have a lot of community support behind them so finding answers to questions or hiring help is going to be much easier using these technologies.

FAQ



A1: export PATH=\$PATH:/usr/local/git/bin:/usr/local/bin