

1) Device Detection

a) Detecting Mobile Browsers

- <http://detectmobilebrowser.com/>

b) Using Media Queries

- <http://ie.microsoft.com/testdrive/HTML5/CSS3MediaQueries/>

c) Detecting Offline Support

- <http://diveintohtml5.org/detect.html>

2) More New HTML5 Features

a) Offline Storage Options

- Caching: <http://diveintohtml5.org/offline.html>
- Database: http://www.tutorialspoint.com/html5/html5_web_sql.htm
- Local Storage: <http://diveintohtml5.org/storage.html>

b) Microdata

- <http://www.google.com/support/webmasters/bin/answer.py?answer=176035>
- <http://www.data-vocabulary.org/Person/>

c) Custom Data Attributes

- <http://www.javascriptkit.com/dhtmltutors/customattributes.shtml>

d) ARIA Roles

- <http://dev.w3.org/html5/markup/aria/aria.html>

e) Geolocation

- <http://html5demos.com/geo>

3) What's new in CSS3

a) CSS 3 Selectors

- http://www.456bereastreet.com/archive/200601/css_3_selectors_explained/

b) Transitions

- <http://css3.bradshawenterprises.com/transitions/>

c) Transforms

- <http://css3.bradshawenterprises.com/transforms/>

d) Web Fonts

- <http://www.google.com/webfonts>

4) Deep Dive into jQuery

a) Fundamentals

- http://docs.jquery.com/Main_Page

b) Consuming JSON Data

- <http://api.jquery.com/jquery.getJSON/>

c) Extending jQuery

- <http://docs.jquery.com/Plugins/Authoring>

5) Deep Dive into jQuery Mobile

a) Fundamentals

- <http://jquerymobile.com/>

b) Page Flow

- <http://jquerymobile.com/demos/1.0b2/#/demos/1.0b2/docs/pages/index.html>

c) Styling

- <http://jquerymobile.com/demos/1.0b2/#/demos/1.0b2/docs/api/themes.html>

6) JavaScript Best Practices

a) Scoping issues

- <http://www.crockford.com/javascript/private.html>

b) Advanced techniques

- <http://www.fusioncube.net/index.php/using-javascript-closures-to-clean-up-global-variables>
- <http://andrew.hedges.name/blog/2011/04/26/yet-another-explanation-of-javascript-closures>
- <http://tinyhippos.com/2010/07/05/closure-in-javascript-with-examples/>