Reference Document for
Mobile Web Developer-Basic Program

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Reference Document for Mobile Web Developer-Basic Program

1.Basics of Web

1.1   Introduction

This chapter introduces Web Standards for Developers & an introduction to DOM

1.2   Reference Material

Topic Name	Sub Topic Name	Reference
Basics of Web	Introduction to Web Standards - for Developers	http://www.w3.org/wiki/Introduction_to_the_Web_Standards_Curriculum
	Introduction to DOM	http://www.w3.org/TR/DOM-Level-2-Core/introduction.html http://www.tutorialspoint.com/javascript/javascript_html_dom.htm

1.3   Additional References

NA

2. Introduction to HTML5

2.1 Introduction

This chapter gives an introduction to HTML5 features like- Semantic tags, Web forms 2.0 & Multimedia elements

2.2 Reference Material

Topic Name	Sub Topic Name	Reference
Getting started with HTML5	Semantics in HTML5	http://diveintohtml5.info/semantics.html http://www.html5rocks.com/en/features/semantics https://developer.mozilla.org/en/docs/Web/Guide/HTML/HTML5/HTML5_element_list
	Web Forms 2.0	http://diveintohtml5.info/forms.html http://www.tutorialspoint.com/html5/html5_web_forms2.htm http://html5doctor.com/tag/web-forms-2-0

| Audio and Video | Audio | https://developer.mozilla.org/en/HTML/Element/audio |
| | Video | https://developer.mozilla.org/en/Using_audio_and_video_in_Firefox . |

2.3 Additional References

NA

3. Getting started with CSS3

3.1 Introduction
This chapter gives an introduction to CSS3 & describes the various types of CSS3 selectors

3.2 Reference Material

Topic Name	Sub Topic Name	Reference
Introduction to CSS3	Introduction	http://www.1stwebdesigner.com/css/css3-introduction/ https://developer.mozilla.org/en-US/docs/Web/Guide/CSS/Getting_started
	CSS3 Selectors	http://www.w3.org/TR/CSS21/selector.html http://www.456bereastreet.com/archive/200601/css_3_selectors_explained/ http://estelle.github.com/CSS-Workshop/part_01_selectors.html#slide4

3.3 Additional References
NA

4. CSS3 –Deep dive

4.1 Introduction
3.1.1   This chapter gives an introduction to CSS3 & describes the various types of CSS3 selectors

4.2 Reference Material

Topic Name	Sub Topic Name	Reference
CSS3 Pseudo-	CSS3 Pseudo Classes	http://www.smashingmagazine.com/2011/03/30/how-to-use-css3-pseudo-classes/ http://reference.sitepoint.com/css/css3psued

classes,elements,contents		oclasses https://developer.mozilla.org/en-US/docs/Web/CSS/Pseudo-classes
	CSS3 Pseudo Elements & Contents	https://developer.mozilla.org/en-US/docs/Web/CSS/Pseudo-elements http://reference.sitepoint.com/css/pseudoelements
CSS3 colors & gradients	Colors	http://www.w3.org/TR/css3-color/#rgba-color https://developer.mozilla.org/en-US/docs/Web/CSS/color
	Gradients	https://developer.mozilla.org/en/Using_gradients http://www.css3files.com/gradient
CSS3 borders & backgrounds	Borders	http://www.css3.info/preview/rounded-border/ https://developer.mozilla.org/en-US/docs/Web/CSS/border-radius
	Multiple Backgrounds	https://developer.mozilla.org/en/CSS/Multiple_backgrounds
CSS3 Transforms & Transitions	CSS3 Transforms	https://developer.mozilla.org/en/CSS/transform http://www.css3files.com/transform/ http://www.w3.org/TR/css-transforms-1/
	CSS3 Transitions	https://developer.mozilla.org/en/CSS/CSS_transitions http://www.css3.info/preview/css3-transitions/
Animations	Animations	https://developer.mozilla.org/en/CSS/CSS_animations http://develop-a-website.com/simple-css3-animation-tutorials/ http://www.css3files.com/animation/
CSS3 Web fonts & multicolumns	Web Fonts	https://developer.mozilla.org/en/CSS/@font-face http://www.css3.info/preview/web-fonts-with-font-face/ http://webdesign.tutsplus.com/articles/css3-web-fonts-and-icons--webdesign-15151
	Multicolumns	https://developer.mozilla.org/en/CSS/Using_CSS_multi-column_layouts http://www.css3.info/preview/multi-column-layout/

4.3 Additional References
NA

5.   Getting Started with JavaScript

5.1 Introduction
This chapter gives an introduction to JavaScript basic concepts like data types, functions etc.

5.2 Reference Material

Topic Name	Sub Topic Name	Reference
Getting Started with JavaScript	Introduction to Scripting	http://www.webopedia.com/TERM/S/scripting_language.html https://developer.mozilla.org/en/JavaScript/Guide/JavaScript_Overview
	JavaScript Basics	http://www.java2s.com/Tutorial/JavaScript/0020__Language-Basics/Variables.htm http://hepunx.rl.ac.uk/~adye/jsspec11/valvar.htm https://developer.mozilla.org/en/JavaScript/Reference/Global_Objects/undefined http://www.tutorialspoint.com/javascript/javascript_operators.htm http://www.tutorialspoint.com/javascript/javascript_ifelse.htm http://www.tutorialspoint.com/javascript/javascript_switch_case.htm http://www.tutorialspoint.com/javascript/javascript_while_loop.htm http://www.tutorialspoint.com/javascript/javascript_for_loop.htm
	JavaScript functions	https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Function http://www.tutorialspoint.com/javascript/javascript_functions.htm http://www.tutorialspoint.com/javascript/javascript_builtin_functions.htm http://javascript.info/tutorial/arguments http://javascript.info/tutorial/functions-declarations-and-expressions http://www.javascriptkit.com/javatutors/primer6.shtml
	JavaScript - Dialog Boxes	http://www.java2s.com/Tutorial/JavaScript/0260__Dialogs/UsingalertBoxes.htm http://www.java2s.com/Tutorial/JavaScript/02

		60__Dialogs/promptDialog.htm
		http://www.java2s.com/Tutorial/JavaScript/0260__Dialogs/Confirmdialog.htm
		http://www.tutorialspoint.com/javascript/javascript_dialog_boxes.htm

5.3Additional References
NA

6. JavaScript –Deep dive

6.1 Introduction
This chapter gives an introduction to the various JavaScript objects

6.2 Reference Material

Topic Name	Sub Topic Name	Reference
JavaScript – Objects	Window Object	https://developer.mozilla.org/en/DOM/window http://www.javascriptkit.com/jsref/window.shtml http://javascript.info/tutorial/browser-window-properties-and-methods
	Location Object	http://www.javascriptkit.com/jsref/location.shtml https://developer.mozilla.org/en/DOM/window.location
	Navigator Object	https://developer.mozilla.org/en/DOM/window.navigator http://www.javascriptkit.com/jsref/navigator.shtml
	History Object	https://developer.mozilla.org/en-US/docs/Web/Guide/API/DOM/Manipulating_the_browser_history http://www.javascriptkit.com/jsref/history.shtml
	Document Object	http://www.javascriptkit.com/domref/documentproperties.shtml
	Form Object	http://www.javascriptkit.com/jsref/form.shtml https://developer.mozilla.org/en/DOM/HTMLFormElement http://www.javascriptkit.com/jsref/checkbox.shtml http://www.javascriptkit.com/jsref/select.shtml

6.3 Additional References
NA

7. HTML5 –Deep dive

7.1 Introduction
This chapter gives an introduction to the canvas element

7.2 Reference Material

Topic Name	Sub Topic Name	Reference
Canvas	Canvas	https://developer.mozilla.org/en/Canvas_tutorial https://developer.mozilla.org/en/HTML/Element/canvas http://www.html5canvastutorials.com/tutorials/html5-canvas-element/ http://diveintohtml5.info/canvas.html

7.3 Additional References
NA

8. Support for Legacy Browsers

8.1 Introduction
This chapter gives an introduction about the various ways to support HTML5 tags in legacy browsers

8.2 Reference Material

Topic Name	Sub Topic Name	Reference
Support for Legacy Browsers	Detecting HTML5 features using Modernizr	http://html5test.com/results.html http://modernizr.com/docs/#whatis http://diveintohtml5.info/detect.html http://www.htmlgoodies.com/html5/tutorials/modernizr-the-html5-and-css3-feature-detection-library.html#fbid=RkSSDGWi-tg http://www.tutorialspoint.com/html5/html5_modernizr.htm https://github.com/Modernizr/Modernizr/wiki/HTML5-Cross-Browser-Polyfills http://html5polyfill.com/

8.3 Additional References
NA

9. Mobile Web

9.1 Introduction
This chapter gives an introduction about the RWD techniques

9.2 Reference Material

Topic Name	Sub Topic Name	Reference
Introduction to mobile web	Mobile web apps in Android	http://www.graphics.com/article-old/introduction-mobile-web-design http://developer.android.com/guide/webapps/index.html http://designmodo.com/mobile-web-design-trends/ http://www.osnews.com/story/13446 http://en.wikipedia.org/wiki/Mobile_browser#Mobile_HTML_transcoders https://developer.mozilla.org/en/Mobile/Viewport_meta_tag http://mobile.tutsplus.com/tutorials/mobile-web-apps/remove-address-bar/ http://37signals.com/svn/posts/2609-customizing-web-forms-with-css3-and-webkit http://html5test.com/compare/feature/other-pagevisiblity.html
	Introduction to Responsive Web Design techniques	http://www.webdesignshock.com/responsive-web-design/ http://www.maxdesign.com.au/articles/liquid/liquid-sample1/ http://java.dzone.com/articles/getting-started-responsive-web http://www.sitepoint.com/common-techniques-in-responsive-web-design/ https://developer.mozilla.org/en-US/docs/Web_Development/Responsive_Web_design http://responsivedesign.ca/

9.3 Additional References
NA

10. jQuery-Overview

10.1 Introduction
This chapter introduces the jQuery framework

10.2 Reference Material

Topic Name	Sub Topic Name	Reference
JS Frameworks	JS Frameworks	http://www.ibm.com/developerworks/web/library/wa-jsframeworks/ http://www.developerdrive.com/2011/09/13-javascript-frameworks-that-can-make-you-a-better-web-developer/
Introduction to jQuery	Working with jQuery	http://docs.jquery.com/Tutorials:Getting_Started_with_jQuery http://jquery.com/ http://www.roseindia.net/ajax/jquery/downloadjquery.shtml http://www.roseindia.net/ajax/jquery/jquery-hello-world.shtml http://docs.jquery.com/Tutorials:How_jQuery_Works#jQuery:_The_Basics
jQuery selectors & CSS manipulation CSS manipulation	jQuery Selectors	http://www.roseindia.net/ajax/jquery/jquerySelectors.shtml http://api.jquery.com/jQuery.holdReady/ http://www.sitepoint.com/whats-new-in-jquery-16/#fbid=EFL42dEhz1N http://www.roseindia.net/ajax/jquery/SelectorUses.shtml http://api.jquery.com/append/ http://api.jquery.com/val/ http://api.jquery.com/text/ http://api.jquery.com/attr/
	CSS Manipulation	http://api.jquery.com/css/ http://api.jquery.com/addClass/ http://api.jquery.com/removeClass/ http://api.jquery.com/css/

10.3 Additional References
NA

11. jQuery-Deep Dive

11.1 Introduction
This chapter gives an introduction to the basics of event handling, animation using jQuery& the various UI widgets provided by jQuery UI framework

11.2 Reference Material

Topic Name	Sub Topic Name	Reference
Basics of event handling	Basics of event handling	http://api.jquery.com/category/events/ http://api.jquery.com/event.preventDefault/ http://www.roseindia.net/ajax/jquery/eventHandling.shtml http://www.roseindia.net/ajax/jquery/VisibilityFilter.shtml
jQuery Animation	jQuery Animation	http://api.jquery.com/animate/ http://api.jquery.com/slideUp/ http://api.jquery.com/slideDown/ http://webdesignledger.com/tutorials/13-excellent-jquery-animation-techniques http://www.roseindia.net/ajax/jquery/InteractionHelpers.shtml
jQuery UI components/Widgets	Tabs	http://www.roseindia.net/ajax/jquery/introJqueryUI.shtml http://jqueryui.com/docs/Getting_Started http://www.roseindia.net/ajax/jquery/Tabs.shtml http://jqueryui.com/demos/tabs/
	Slider	http://hanshillen.github.com/jqtest/#goto_slider http://jqueryui.com/demos/slider/
	Accordion	http://www.roseindia.net/ajax/jquery/accordion.shtml http://jqueryui.com/demos/accordion/
	Date Picker	http://www.roseindia.net/ajax/jquery/datepicker.shtml http://jqueryui.com/demos/datepicker/

11.3 Additional References
NA

12. jQuery Mobile-Overview

12.1 Introduction
This chapter gives an introduction to the basics of jQuery Mobile framework

12.2 Reference Material

Topic Name	Sub Topic Name	Reference
jQuery Mobile-Overview	Introduction to jQuery mobile	http://www.htmlgoodies.com/html5/tutorials/introduction-to-jquery-mobile.html#fbid=RkSSDGWi-tg http://www.ibm.com/developerworks/library/wa-jqmobile/
	Key features and supported platforms	http://jquerymobile.com/ http://www.w3schools.com/jquerymobile/
	jQuery mobile basics	http://jquerymobile.com/ http://www.w3schools.com/jquerymobile/

12.3 Additional References
http://jquerymobile.com/

13. jQuery Mobile-Deep Dive

13.1 Introduction
This chapter gives an introduction to the various UI components provided by the jQuery Mobile framework, event handling & the how to make use of theme roller.

13.2 Reference Material

Topic Name	Sub Topic Name	Reference
UI Components	Buttons	http://www.w3schools.com/jquerymobile/ http://answers.oreilly.com/topic/2770-how-to-style-buttons-with-jquery-mobile/
	Toolbars	http://jquerymobile.com/ http://www.w3schools.com/jquerymobile/ http://filamentgroup.com/examples/jqm-overflow-touch-forced/docs/toolbars/bars-fixed.html
	Dialogs & Transitions	http://api.jquerymobile.com/dialog/ http://www.jquerybyexample.net/2013/09/creating-dialog-box-in-jquery-mobile.html
	Form Elements	http://filamentgroup.com/examples/jqm-overflow-touch-forced/docs/forms/docs-forms.html

		http://code.tutsplus.com/tutorials/jquery-mobile-framework-a-forms-tutorial--mobile-4500
	List View	https://api.jquerymobile.com/listview/
	Grids	http://www.packtpub.com/article/how-to-use-jquery-mobile-grid-columns-layout
	Accordion	http://jqueryui.com/accordion/ http://filamentgroup.com/examples/jqm-overflow-touch-forced/docs/content/content-collapsible.html
Event Handling	Event Handling	http://api.jquerymobile.com/category/events/ https://github.com/benmajor/jQuery-Mobile-Events
Theme Framework	Theme Roller	http://jqueryui.com/themeroller/

13.3 Additional References

http://jquerymobile.com/