

Advanced Applications of JavaScript

What You Will Learn.....	1
Scheduling and Timing Events	2
Creating a Slide Show.....	2
Displaying a Clock on the Page.....	4
Using JavaScript for the Off Canvas Technique.....	6
Exercise 1	8
Working with Cookies	9
JavaScript and Cookies.....	9
Clearing Cookies.....	12
Exercise 2	13
Understanding JavaScript Libraries.....	14
Referencing the JavaScript Library	14
Understanding jQuery Commands.....	15
Adding and Removing Classes	17
Exercise 3.....	18
jQuery Events and Commands.....	19
Working Basic Events in jQuery	19
Click Method	19
Hover Action.....	19
Modifying Visibility	20
Chaining and Nesting jQuery Statements.....	21
Working with More Complex Selectors	23
Brief Overview of the HTML DOM (Optional).....	26
Selectors.....	27
Filters and the HTML DOM.....	28
Next and Previous Methods	30
Exercise 4.....	32
Exercise 5 (Optional)	33
What is AJAX?	34
How AJAX Works.....	34
Creating a Local Web Server.....	35
Getting Started with AJAX.....	35
Understanding the XMLHttpRequest Object.....	36
Basic AJAX Program.....	37

Creating a Basic AJAX Program	37
XMLHttpRequest's Parameters	38
Sending Data Asynchronously	39
Anonymous Functions	40
AJAX with jQuery	42
Load Method	42
Callback Function	43
This Keyword	44
Get and Post Methods	44
Ajax Method	45
Exercise 6	46
Getting Data from an Existing XML File	47
XML Methods	49
Appendix A: Understanding jQuery Plugins	53
Appendix B: Creating Image Galleries in JQuery	54
Appendix C: Course File Diagram	56
Appendix D: Solutions to Exercises	57