

JQuery

1 jQuery Basics

Installing jQuery

Selecting Nodes in the DOM

Delaying the Execution of JavaScript

Applying CSS to Elements

Selecting a Non-Standard Series of HTML Elements

Counting the Number of Nodes in the DOM and Displaying Their Text

Obtaining the HTML of an Element Problem

Changing the Content of a DOM Node

Creating a DOM Node on the Fly

Assigning the Same Class Name to Different HTML

2 Arrays and Strings

Displaying Names in a List Using Arrays

Manipulating Array Elements

Filtering Arrays to Show Desired Data Only

Sorting String and Numerical Arrays

Splitting an Array

Combining Two Arrays

Converting a Numerical Array into a String and Finding Its Substring

Creating an Array of Objects

Sorting an Array of Objects

3 Event Handling

Finding Out Which Button Is Clicked

Triggering Events Automatically

Disabling a Button After It Is Clicked Once

Handling Mouse Events

Finding Out Which Mouse Button Is Pressed

Finding the Screen Coordinates of a Mouse-Button Press

Highlighting Text Dynamically

Making an Image Bright and Blurred with Mouse Movements

Finding When an Element Gains and Loses Focus

Applying Hover Effects on Buttons

Toggling the Application of a CSS Class

Creating Image-Based Rollovers

Adding and Removing Text in Response to Events

Applying Styles in Response to Events

Displaying Word Balloons

Creating “Return to Top” Links

Offering “Read More...” links

Displaying Text with an Animation Effect

Replacing Text with a Sliding Effect

Making an Image Scroll

Determining Which Key Was Pressed

Preventing Event Bubbling

Chaining Multiple Activities

4 Form Validation

Confirming a Required Field Is Not Left Blank

Validating a Numerical Field

Validating Phone Numbers

Validating a User ID

Validating a Date

Validating an Email Address

Checking Whether a Checkbox Is Checked

Checking Whether a Radio Button Is Selected

Checking Whether an Option in a Select Element Is Selected

Applying Styles to Options and a Form Button

Checking and Unchecking All Checkboxes Together

Validating Two Fields

Matching the Password and Confirm Password Fields

Disabling Certain Fields

Validating a Complete Form

Serializing Form Data

5 Page Navigation

Writing a Breadcrumb Menu

Adding a Hover Effect to Menu Items

Creating a Contextual Menu

Creating a Navigation Menu with Access Keys

Creating a Context Menu on Right-Click

Creating Two Menus with Separate Menu Items

Creating Two Menus with Submenu Items

Making an Accordion Menu

Making a Dynamic Visual Menu

6 Visual Effects

Displaying Images Horizontally and Vertically

Creating a Horizontal Image Slider

Displaying an Image that Scrolls Left and Becomes Invisible When Clicked

Creating an Image that Scrolls Left, Disappears, and Reappears at the Right

Scrolling an Image at the Center of the Browser Window

Showing Images One After the Other on Hover

Scrolling an Image Vertically

Scrolling an Image Horizontally

Making a News Scroller

Displaying an Enlarged Image on Mouseover

Showing Images Pagewise

Shuffling Images in Either Direction

Writing a Pendulum Scroller

Scrolling Images Using Arrays

7 Dealing with Tables

Highlighting a Table Row on Hover

Highlighting Alternate Columns

Filtering Rows

Hiding the Selected Column

Paginating a Table

Expanding and Collapsing List Items

Expanding and Collapsing Table Rows

Sorting List Items

Sorting a Table

Filtering Rows from a Table

8 Ajax

Displaying a Welcome Message

Performing Authentication

Validating a User Name

Validating an Email Address

Using Auto complete

Importing HTML

Getting JSON Data

Getting XML data

Paginating tables

9 JSON

JSON - Overview

Uses of JSON

Characteristics of JSON

Simple Example in JSON

JSON - Syntax

JSON - DataTypes

Number

String

Boolean

Array

Object

Whitespace

null

JSON Value

JSON – Objects

Creating Array Objects

JSON - Schema

JSON Schema Validation Libraries

JSON Schema Example

JSON - Comparison

Verbose

Arrays Usage

Parsing

Example

JSON XML