

HTML5 for Designers, Part 9: Geo and Drag/Drop

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Prerequisites: This course assumes a basic level of familiarity with HTML5. This course is part of 9 courses, HTML5 for Designers: Basics and Style Sheets; HTML5 for Designers: Margins, Lists and Float; HTML5 for Designers: Layouts and Navigation Bar; HTML5 for Designers: Markup and Elements; HTML5 for Designers: Input Types, JS/jQuery; HTML5 for Designers: Video, Audio, and Canvas; HTML5 for Designers: Curves and Styling; HTML5 for Designers: Fonts and Media Queries; and HTML5 for Designers: Geolocation and Drag/Drop. Please be sure to view the courses in order if you are new to the material.

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Course description: This nine-part learning series course teaches you how to take full advantage of the new web standard for creating rich multimedia experiences. While learning at your own pace, you'll discover how to approach site concept creation and bring your vision from the drawing board through to full operability. Master basic skills, boost your creativity, and challenge yourself in bold new directions. Create dynamic web pages that offer a robust and interactive experience for your visitors. Code, develop, and test your websites. Understand the many ways the newest version of HTML differs from previous iterations and how it can enhance your web development projects.

Course outline:

Layout and Storage

- Introduction
- Flexible Box Layout
- Target Children Elements
- Define Ratios
- Defining Offline Storage
- Application Caching VS Offline
- Methods of Storing Data
- Browser Compatibility
- Summary

- Summary

Drag and Drop

- Introduction
- Drag and Drop Fundamentals
- Drop Zones
- Drag Events
- On Drag Start Attribute
- Drag/Drop Browser Differences
- HTML5 Canvas Element
- Summary

Storage, Caching & Geolocation

- Introduction
- Working with Local Storage
- JavaScript Functions
- Application Caching
- Cache Manifest File
- Working with HTML5 Geolocation
- Get Current Position Function
- Show Location Function
- Summary

Geolocation Continued

- Introduction
- Display User Location on a Map
- Map Options Object
- Google Gears
- Adding Markers to a Map
- Plotting Markers