

UI Elements

The CANVAS element in HTML 5 significantly expands rendering capabilities within browsers that were not previously possible. It can be used to create a multitude of visuals, from simply colored spaces and gradients, to complex charts and animations.

Some Syncfusion controls—namely ASP.NET Gauge; MVC Diagram and Chart; and Mobile MVC Chart and Tools—employ the advantages provided by the CANVAS element. With the new HTML 5-enhanced implementation, the rendered images and appearances no longer have to move back and forth between the client and the server—all drawing and redrawing occurs exclusively on the client—resulting in better performance and interactivity.

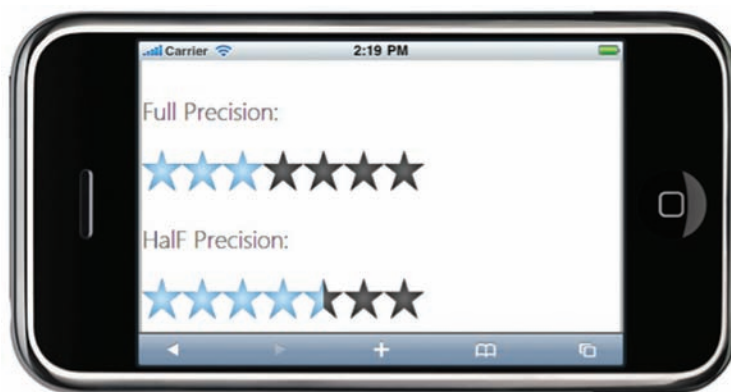


New Interactive Features

User interactivity is one of the major highlights of HTML 5. Because all graphics are rendered and managed on the client side, complex actions can be performed without requiring a page refresh. In a diagram app for instance, users can drag and drop a node or expand and collapse a hierarchy of nodes without a page refresh. Other performance improvements due to client-side rendering for HTML 5 elements include automatic page resizing if, for example, an HTML 5 Web page is viewed on a mobile device and the orientation is changed from portrait to landscape. The layout is adjusted purely on the client side.

Feature Enhancements

Many features that are already widely present throughout the Web, such as rating controls and progress bars, are much easier to build with HTML 5. For example, in a rating control like those you find on virtually any online retailer, ratings are generally only accepted as whole number values. With our HTML 5-enhanced rating control, fractional ratings as specific as half of a star or even one-tenth of a star can be selected.



HTML 5-Enhanced Rating and Gauge Controls

What Cross-Platform Development Means for Developers and Users

You can be sure that all your users—be they desktop, mobile, or tablet-based—will be able to visualize your application as it is meant to be seen. When you develop with HTML 5, you develop only once and deploy rich applications to users no matter what hardware they use.

How are Controls Affected?

Many common controls such as toolbars, menus, accordions, and dialogs are all enhanced by the advanced appearance rendering capabilities of HTML 5. For example, if you want to implement a Microsoft Office-like ribbon, you usually have to rely on server-side generated images to get the appearance of a ribbon. With HTML 5, this sort of rendering can be done purely on the client.



HTML 5-Enhanced Chart

Because HTML 4 is supported entirely in HTML 5, all ASP.NET and MVC controls are HTML 5-compatible—they will not break in an HTML 5 environment. However, their functionality is not enhanced.

Synfusion HTML 5-Enhanced Controls

Essential Gauge ASP.NET
Essential Diagram for ASP.NET MVC
Essential Chart for ASP.NET MVC
Essential Chart for Mobile MVC
Essential Tools for Mobile MVC
(some, i.e. Rating and Progress Bar)

Controls Coming Soon...
Grid Control for Mobile
Gauge Control for Mobile
Date-Time Pickers
Accordions
Toggle Buttons

