Sencha GXT

The most comprehensive UI framework for building rich, data-centric HTML5 applications, for both desktops and tablets, using Java.

Product Overview

Business requirements for web applications are growing increasingly complex, and too often the timeline for delivery is "as soon as possible." Yet development resources are often constrained, leaving many organizations looking for ways to do more with less. Sencha GXT is the most comprehensive Java framework for building feature-rich web applications for both desktops and tablets. It uses the GWT (formerly Google Web Toolkit) compiler, allowing developers to write applications in Java and compile their code into highly optimized cross-platform HTML5 code.

Sencha GXT features high-performance UI components that are interoperable with native GWT components, templates, and layout manager — giving you powerful control over your display. An advanced charting package allows you to visualize large quantities of data. The framework includes built-in support for RPC, RequestFactory, and JSON, so you can feed data to your applications using any data source. Sencha GXT also offers complete theming support, allowing you to build web applications that reflect your company branding guidelines .

Key Features

High-Performance Customizable UI Components

Sencha GXT provides a comprehensive collection of high-performance components that are completely customizable. These components include HTML5 grids, trees, lists, forms, menus, toolbars, panels, windows, and much more. If you don't find a component you are looking for, hundreds of user extensions are available from the Sencha community.

Layout Manager and Templates

Sencha GXT includes a flexible layout manager to help organize the display of data and content across multiple browsers, devices, and screen sizes. It helps you control the display of components, even for the most complex user interfaces. Sencha GXT templates include advanced features such as autofilling arrays.

Advanced Charting Package

The Sencha GXT charting package allows you to visually represent data with a broad range of chart types — including line, bar, and pie charts. The charts use surfaces and sprites developed with a drawing package implemented using SVG, VML, and Canvas technologies. Browser variations are handled automatically so that the charts always display correctly.

Complete Theming Support with Theme Builder

Sencha GXT components are highly customizable. The framework comes with a robust theme builder for creating entirely new themes — including those that reflect a specific brand identity. The theme builder uses a simple config system that exposes hundreds of variables that can be altered to design custom themes.

Built-in Support for RPC, RequestFactory, and JSON

A robust data framework included in Sencha GXT allows you to decouple the UI components from the service layer. The data framework allows client-side collections of data using highly functional models that offer features such as sorting and filtering. The data framework is protocol agnostic, and has out-of-the-box support for RPC, RequestFactory, and JSON.

Documentation and Training

Sencha GXT learning resources and API docs are comprehensive, detailed and regularly maintained. We also offer several options for professional training at multiple levels including beginner and advanced.

Expert Support and Services

Sencha GXT is backed by expert services and support, ensuring that developers get maximum value from Sencha products. The professional services organization helps to increase productivity, improve quality, and decrease costs in delivering business-ready web applications. Comprehensive training enables developers to get up to speed fast, and support services help to resolve any issues as quickly as possible.

Benefits

- Streamlines cross-platform HTML5 development with Java for both modern and legacy browsers

- Increases the productivity of Java development teams building HTML5 applications

- Reduces the cost of web application development

- Empowers teams to create apps with a compelling user experience

- Supports look-and-feel customization, so apps reflect corporate brand identity

Browser Compatibility

Sencha Ext JS supports all major web browsers including:

- Internet Explorer 8+

- Chrome

- Firefox

- Safari 6+

- Opera 12+

About Sencha

More than 10,000 customers and 60% of the Fortune 100 rely on Sencha to deliver innovative applications that drive their business. The Sencha Web Application Lifecycle Management Platform uses the power of modern web technology to empower the enterprise to seamlessly design, develop, deploy and manage cross-platform web applications that deliver the right end user experience on the right screen at the right time. Organizations are using the Sencha Platform to improve productivity and accelerate every stage of the web application development lifecycle. Visit us at www.sencha.com.

Testimonials

"Sencha GXT literally made it possible to build our app, ClearFactr. We were able to take our years of large-scale app dev experience and transition to a high-performance, highly scalable, Web-centric platform in a very short time."

- Dean Zarras, President and CEO, Logic 9's

"We use Sencha GXT components to give our apps a professional look and feel. That means our developers concentrate on the functionality of our business apps, saving hundreds of hours in design work."

- Daniel Ardison, Development Director, Ardison Software & Consulting