Sencha GXT

The most comprehensive UI framework for building rich, data-centric HTML5 applications, for both desktops and tablets, using Java.
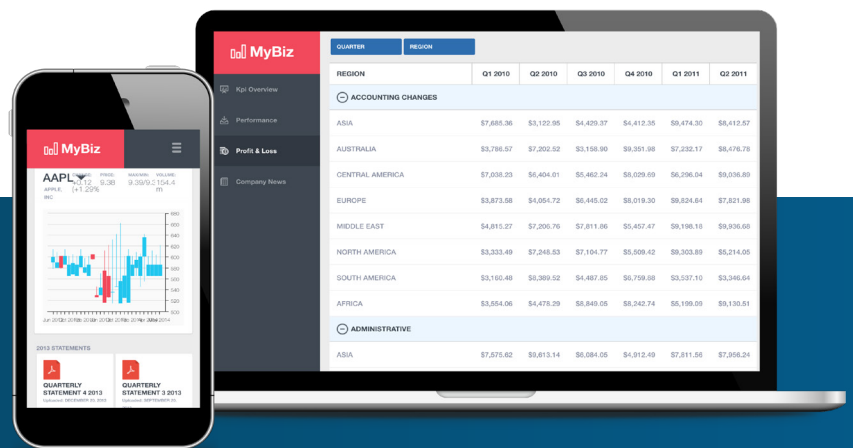
Business requirements for web applications are growing increasingly complex, and too often the timeline for delivery is "as soon as possible." Yet development resources are often constrained, leaving many organizations looking for ways to do more with less. Sencha GXT is the most comprehensive Java framework 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.

Benefits

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

- Increase developer and team productivity using Java to build structured HTML5 web 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.

- Easily write Javascript, HTML5 and CSS3 with Java. Which means easily use Java interop with existing internal or external Javascript frameworks. Ask about GXT Premium.

- Increase productivity by finding errors earlier with the structured static Java language and mature toolchain.

- Increase productivity by getting rid of the browser quirk investigations.

- Improve productivity through build and VCS control of a structured static language across large teams. Lower the amount of time spent on refactoring, improving and enhancing applications over time.

- Decrease legacy development baggage drag with a structure web application development.

- Increase web application development productivity for Java knowledged assets by providing all the web development in Java for CSS, HTML and Javascript.

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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 Template
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.

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