SproutCore Announces Major New Release

Today marks the release of version 1.10 of SproutCore, the revolutionary open-source application framework for the web. This release, the biggest in three years, gives developers access to new features like View Transitions, Child View Layout plugins, and built-in support for Application Cache. This update also overhauls many subsystems to deliver breakthrough memory use and performance enhancements, with a 25% boost to average app launch speeds, a nearly flat memory footprint over time for longer-lived and more mobile-friendly apps, and incredibly smooth rendering of lists of any length. “Version 1.10 is, without a doubt, the fastest and most feature-rich version of SproutCore to-date,” said Tyler Keating, SproutCore’s lead developer and author of the definitive SproutCore book.

“We’re incredibly proud of this release,” said Dave Porter, contributor and community manager. “Our cadre of developers and active contributors is growing, with dozens of substantial pull requests and community initiatives over the last few months alone. SproutCore is the best way to build sophisticated web applications, and with a strong and strengthening community, we’re even more excited about our plans for the future.”

- View Transitions give developers a simple new way control how things appear, disappear and move. Adding complex fades and zooms to your panes and views is now as easy as choosing a transition, and its pluggable architecture makes it easy to write your own.
- Child View Layouts resolves a longstanding developer pain point by allowing for simple, declarative child view lay, like horizontal or vertical stacks, without bypassing SproutCore’s optimized layout engine or resorting to CollectionView hacks.
- SC.ListView, already built on top of SproutCore’s progressive rendering for unparalleled scalability, has been further optimized for snappy, silk-smooth scrolling on desktop and mobile devices. Automatic item view pooling and reuse, and improved animation, have more than doubled scrolling performance in many cases.
- Memory use in all parts of the frameworks was a major focus for 1.10. With a number of plugged leaks, optimizations, and entirely new plumbing for SC.View, it delivers faster startup time and a reduced memory footprint over an application’s lifetime.

SproutCore kicked off the JS-MVC movement in 2008, and continues to power the web application revolution. More than a plugin, it builds on top of JavaScript to provide a native-quality runtime and MVC object model inspired by the best ideas from Cocoa™. Its dozens of core and third party frameworks deliver native-caliber features, including a highly optimized view layer, an industry-leading statechart for robust and maintainable applications, a full data layer, and built-in unit testing. A community-maintained project, it was created in 2007 by Charles Jolley and developed by Apple Inc. Find out more at www.sproutcore.com.