Extending Web Applications to Mobile Devices

All organizations today are feeling the pressure to modernize or mobilize their enterprise web applications. The big question is, how to do that quickly and efficiently and still ensure all of the long term "-abilities" – maintainability, upgradability, migratability and scalability – remain intact?

Extending your web application to a smartphone isn't just a matter of taking all of the existing functionality in your application and shrinking it to fit a mobile device form factor. Teams must consider the overall user experience, security, data access, external systems integration, and embedded business rules. If you have questions about the long-term implications of different approaches to application mobilization, this workshop is for you.

Workshop Overview

The focus of this workshop is to guide your development team in making architectural decisions to mobilize existing web applications efficiently – saving both costs and time. This includes understanding the implications of multiple target operating systems and supporting an application across devices.

The Sencha Services team will help you extend your existing web application to mobile devices using Ext JS 6, the leading web application development platform. Our team has the proven expertise to help organizations design and deliver visually compelling, cross-platform web applications.

This hands-on workshop is designed to deconstruct the existing application into functional aspects that must be extended to the smartphone. The Sencha Solutions engineer will guide you through the numerous decisions that must be made in order to complete a successful migration.

Workshop Schedule

Day 1 – This session will start with the Sencha Solutions Engineer providing an overview to the development and management teams on the philosophy of architecting modern mobile apps using Ext JS. It also includes an overview of the typical process flow of developing a mobile application.

The Sencha Solutions Engineer will continue to work with the development and management teams to do a deep-dive review of the project to understand and agree on the exact scope of the effort. This includes reviewing any existing requirements documentation or conducting whiteboard sessions to understand the nature and scope of the application that is being considered for mobilization. The output of this session is a clear development approach, success criteria for the mobilization project, and the expected functions and layout to be created and/or modified.

Day 2 – The Sencha Solutions Engineer will meet with the development team to deconstruct the existing application into major functional components as well as conduct a detailed discussion around the UI/UX expectations of the application. It also includes identifying best practices for mapping major functions into the available objects standard in the Sencha platform. A discussion and whiteboard session will follow on the pros and cons of developing any custom controls that may be required.

Day 3 – The Sencha Solutions Engineer will work with the development team to create the project plan for migrating the application. It will include all dependencies and recommended methods and best practices for architecting the application in order to reduce development time and simplify deploying/supporting the application across multiple target devices.

Day 4 – The Sencha Solutions Engineer will work with the development team to validate the recommended architecture, and focus on methods and practices to ensure application performance is optimized in the new environment. It also includes mentoring the team on application-specific issues around external integration or data access, manipulation, and presentation.

Day 5 – The Sencha Solutions Engineer will finalize the recommended migration approach with the development team. Mentoring, training, reviewing code examples, and problem solving are typically included in the last day of the engagement. The key deliverable for this session will be a presentation to the development and management teams on assessment findings as well as justification for the recommended architecture and project approach, with analysis of risk areas and recommendations to reduce those risks.

This is our recommended approach using best practices. It can be adjusted to accommodate the specifics of your situation. The Sencha Solutions Engineer is a senior consultant and will mentor your team to be successful in creating the appropriate ROI for your project, while demonstrating the viability of the technology and the development approach to meet your business needs.

Custom Services

Custom Engagements

For companies that require a more customized approach, Sencha also offers longer-term consulting engagements for web application design, development, and deployment projects. These services include developing a proof of concept, design services, custom component creation, and a variety of other options.

Staff Augmentation

Sencha also offers a resident engineer program for companies that need additional assistance with web application development efforts. The resident engineer can establish a long-term web application architecture standard, and then assist with design, development, deployment, and support. These services can be delivered either on-site or remotely.

About Sencha Services

For more information about Sencha services, including technical support, professional services, and training, visit us at www.sencha.com/services.

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.