



# Rich Mobile Apps with Sencha Touch



Hi there, I'm  
@davidkaneda





# What is Sencha Touch?

A JavaScript framework for building  
**rich** mobile apps with web standards.

**FREE**

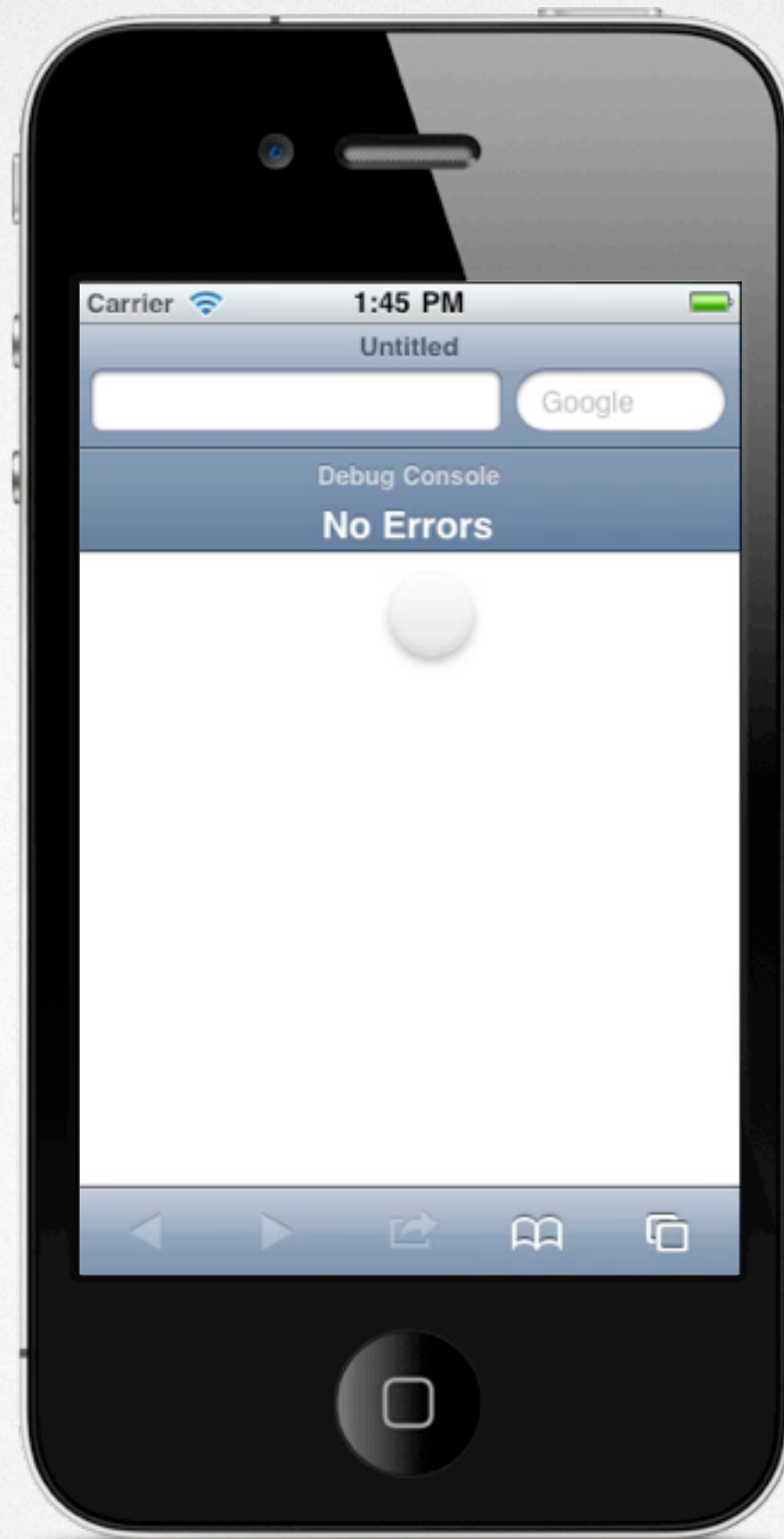


# Preview













EASY TO STYLE

FLEXIBLE DEPLOYMENT

FAST DEVELOPMENT

CROSS PLATFORM

MORE DEVELOPERS

**WEB**

# The Sweet Spot

**NATIVE**

OPTIMIZED DATA

RESPONSIVE UI

RICH CONTROLS



**Details matter.**



# Devices















ANDROID TABLETS







BLACKBERRY 6





# What's included?





# Touch Events

Built on native events

Abstracted for performance

Additional events

Tap

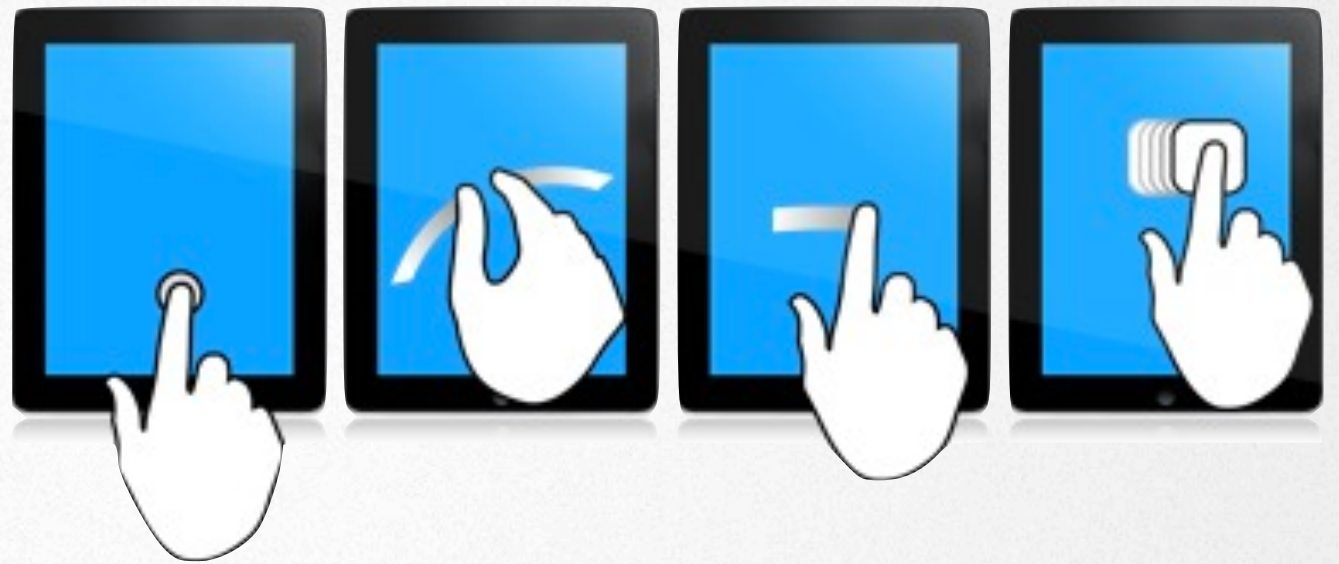
Double tap

Tap and hold

Swipe

Pinch

Drag & drop





# Scrolling

Momentum/bounce physics

Hardware accelerated

Critical for tablets

Throughout components

Lists

Carousel

Pickers



# Scrolling

Momentum/bounce physics

Hardware accelerated

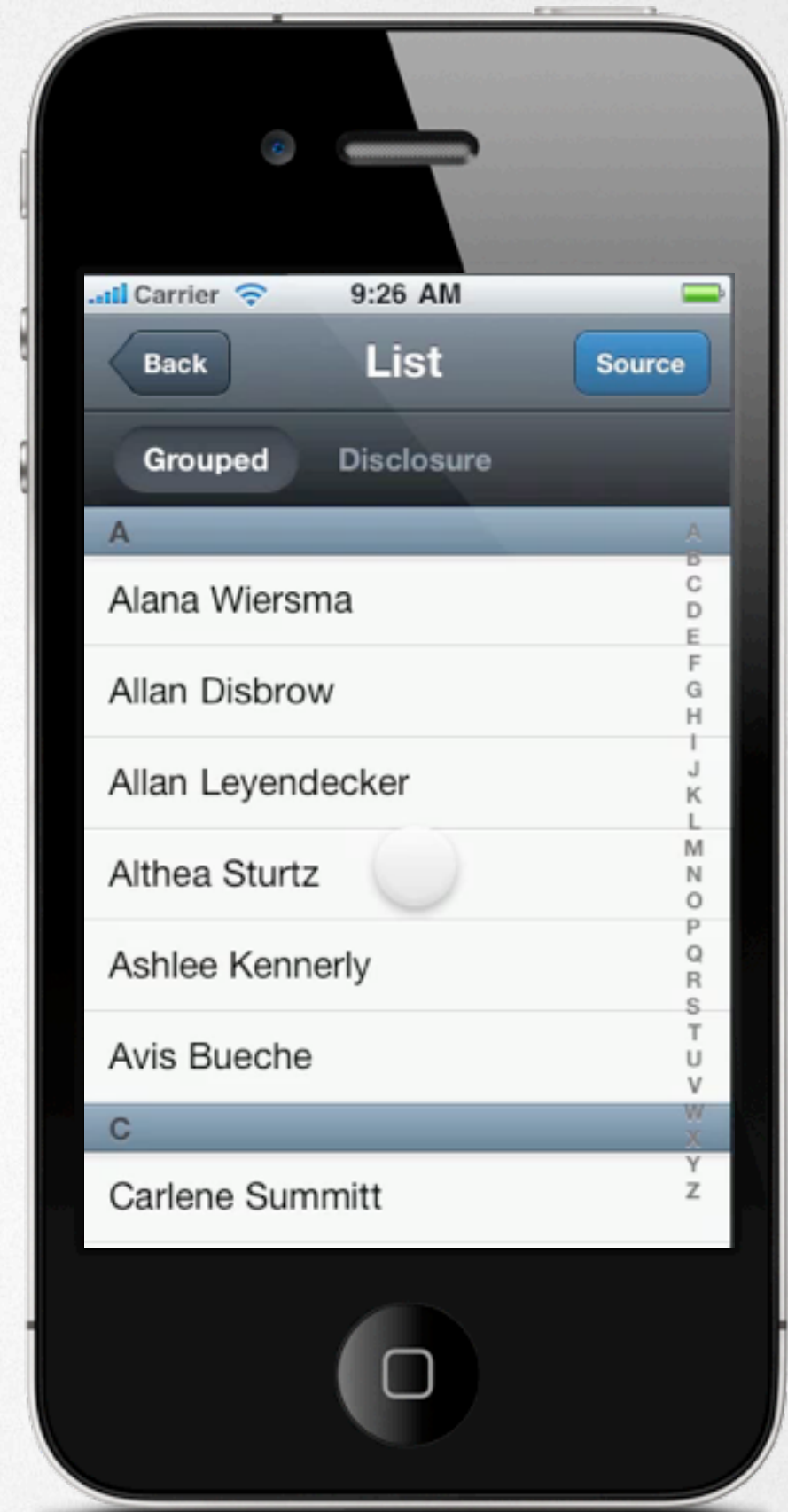
Critical for tablets

Throughout components

Lists

Carousel

Pickers





# Components

## Lists

Nested, Grouped, Sortable

## Carousel

## Picker

## Overlay

## Slider

## Forms & Fields

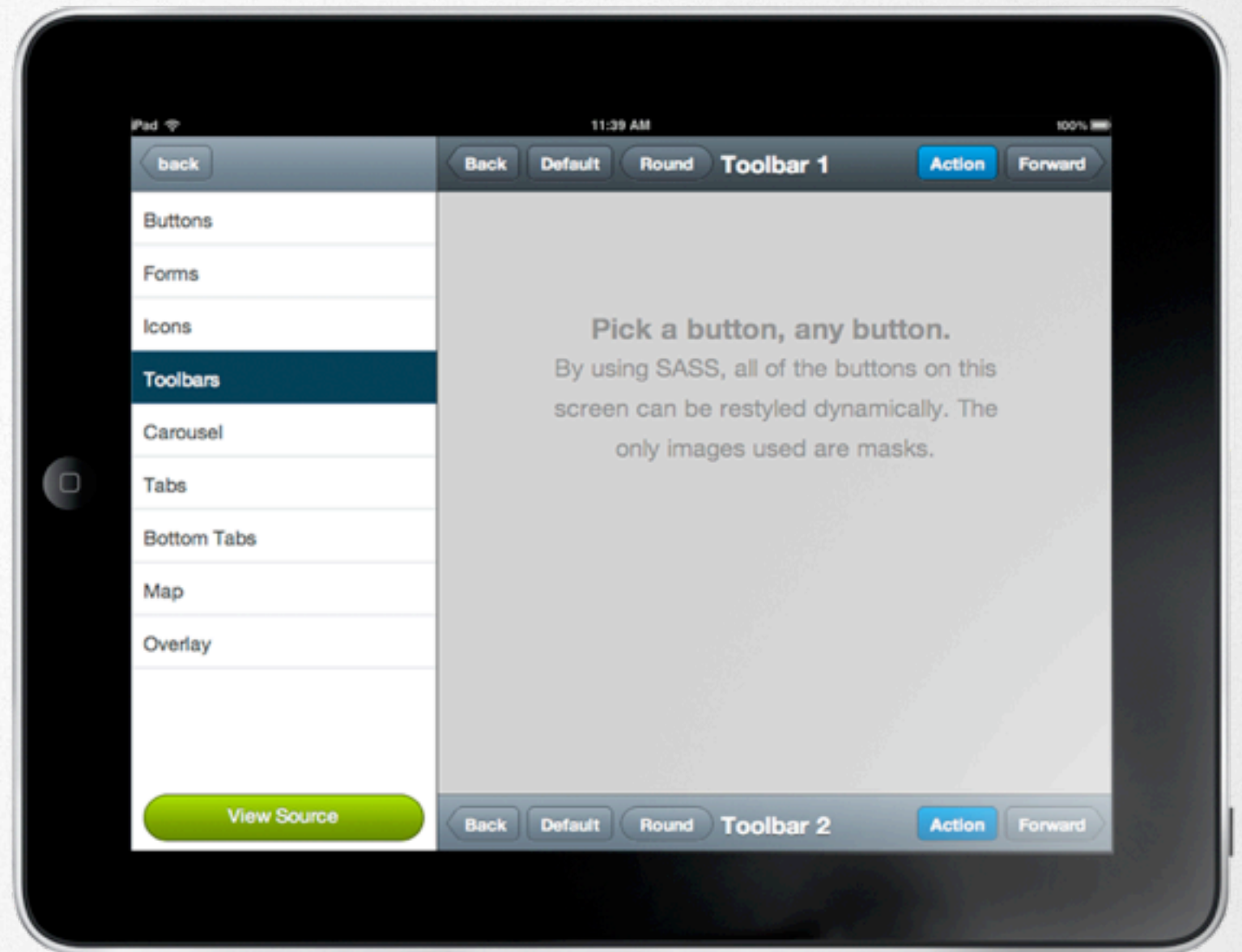
## Toolbars & buttons

## HTML5

## Audio

## Video

## GeoLocation





# Theming

CSS3

SASS & Compass

Flexible themes

Highly optimized

300+ Pre-included icons

Robust Animations

Resolution Independent

iPhone 4 1:38 PM

Back

Sink

Buttons

Forms

# Data Package

Models, Stores, and Proxies

Associations

Validation

Easily consume web services

JSON/P

XML

YQL

Offline data

localStorage





# Full Application Architecture

MVC

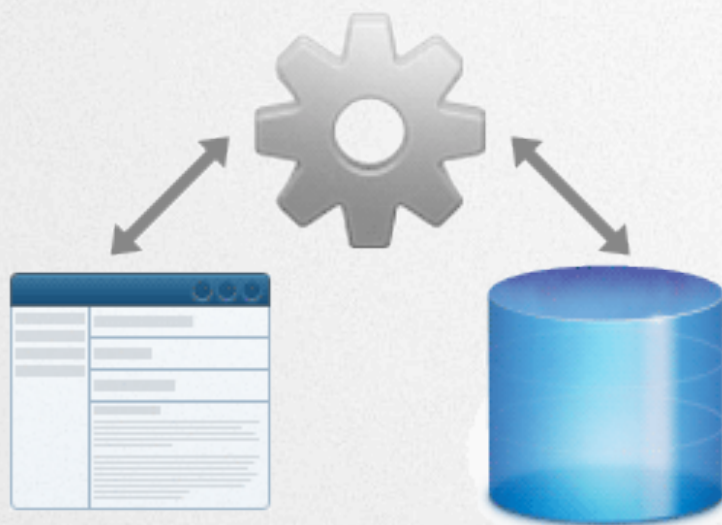
History Support

Device detection

Orientation events

Layouts

Animations



# Live Code: O'Reilly Conferences





**We're here to help**





Sencha Touch API Documentation

http://dev.sencha.com/deploy/touch/docs/ Google

examples | sencha.com

Find a Class

API Documentation

- Ext
  - data
    - AbstractStore
    - AjaxProxy
    - ArrayReader
    - Association
    - Batch
    - BelongsToAssociation
    - ClientProxy
    - Connection
    - Errors
    - Field
    - HasManyAssociation
    - JsonReader
    - JsonWriter
    - LocalStorageProxy
    - MemoryProxy
    - Model
    - Node
    - Operation
    - Proxy
    - Reader
    - Request
    - RestProxy
    - ResultSet
    - ScriptTagProxy
    - ServerProxy
    - SessionStorageProxy
    - Store
    - Tree

API Home TabPanel

Config Options Properties Methods Events Direct Link

### Class Ext.TabPanel

Package: Ext  
Defined In: TabPanel.js  
Class: TabPanel  
Extends: Panel

TabPanel is a Container which can hold other components to be accessed in a tabbed interface. It uses a Ext.TabBar to display a Ext.Tab for each item defined.

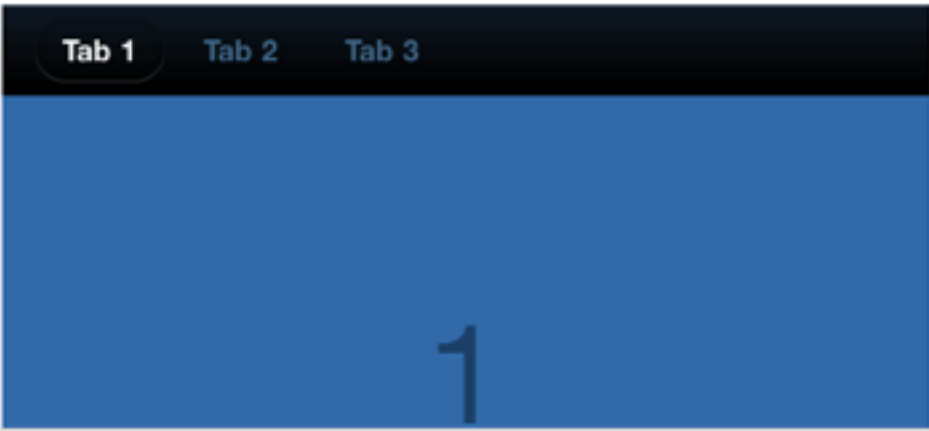
Observable

- Component
  - Component
    - Container
      - Container
        - Panel
          - Panel
            - TabPanel

### Useful Properties

- ui
- tabBarDock
- cardSwitchAnimation
- sortable

### Screenshot:



The screenshot shows a dark blue header with three tabs labeled 'Tab 1', 'Tab 2', and 'Tab 3'. Below the tabs is a large blue rectangular area containing a large white number '1'.

API docs











Sencha Touch Forums

http://www.sencha.com/forum/forumdisplay.php?56-Sencha-Touch-Forums

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Sub-Forums		Last Post
 <b>Sencha Touch Premium Help</b> Expedited help for Sencha Touch Premium Subscription members	Threads: 107 Posts: 299	<b>LocalStorage Add Error</b> by <a href="#">markwyner</a> Today, 12:16 PM ▶
 <b>Sencha Touch: Help &amp; Discussion</b> Community help and discussion with using Sencha Touch	Threads: 4,720 Posts: 17,920	<b>How add 'x-item-selected'...</b> by <a href="#">m_sassa</a> Today, 11:48 AM ▶
 <b>Sencha Touch: Bugs</b> Report bugs in Sencha Touch	Threads: 847 Posts: 3,245	<b>Pull refresh demo shows black...</b> by <a href="#">mitchellsimoens</a> Today, 7:18 AM ▶
 <b>Sencha Touch: Feature Requests</b> Request new features or modifications to existing ones	Threads: 228 Posts: 802	<b>[OPEN-194] Set active item...</b> by <a href="#">m_sassa</a> Today, 8:49 AM ▶
 <b>Sencha Touch: Examples and Showcases</b> Post links to show what you have done with Sencha Touch	Threads: 166 Posts: 1,121	<b>Another new Sencha App Launch...</b> by <a href="#">Bucs</a> Today, 12:14 PM ▶
 <b>Sencha Touch: App Contest</b> View the contest entries that made up our first ever Sencha Touch App Contest. Top 10 Finalists at <a href="#">sencha.com/contest</a> .	Threads: 16 Posts: 85	<b>Submitted and uploaded by</b> <a href="#">linburgh</a> 10 Mar 2011, 7:43 PM ▶

sencha.com/forum



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# Learning Center


Search


**Written by the Sencha Community, for the Sencha Community.** The Sencha Learning Center is a community-maintained repository of articles to help you get started with Sencha frameworks. Be sure to check out the screencast videos, and browse some of the available books if you need some extra homework. If you have a question, head over to the [Sencha Forum](#) to ask for assistance and an expert will be quick to get back to you.


Feel free to update the documents if you see an error. And thank you for being a part of the Sencha Community!

**Sencha Touch**  
[Overview](#), [Getting Started](#), [API Docs](#)

**Ext Designer**  
[Overview](#), [Getting Started \(PDF\)](#)

**Ext JS**  
[Overview](#), [Getting Started](#), [API Docs](#)

**Sencha Animator**  
[Overview](#), [Tour of UI](#), [Demo Vids](#)

**Ext GWT**  
[Overview](#), [Getting Started](#), [API Docs](#)

## API Documentation

Documentation is available for all our products.

- [Ext JS API Docs](#)
- [Ext GWT API Docs](#)
- [Ext Designer Docs](#)
- [Sencha Animator Docs](#)
- [Sencha Touch API Docs](#)
- [Ext Core API Docs](#)

## Recommended Reading

Check out some of these great Ext JS books to start learning.

- [Ext JS In Action](#) Jay Garcia
- [Learning Ext JS](#) Shea Frederick
- [Practical Ext JS Projects](#) Frank Zammetti
- [Ext JS 3.0 Cookbook](#) Jorge Ramon
- [View more](#) ↻

sencha.com/learn

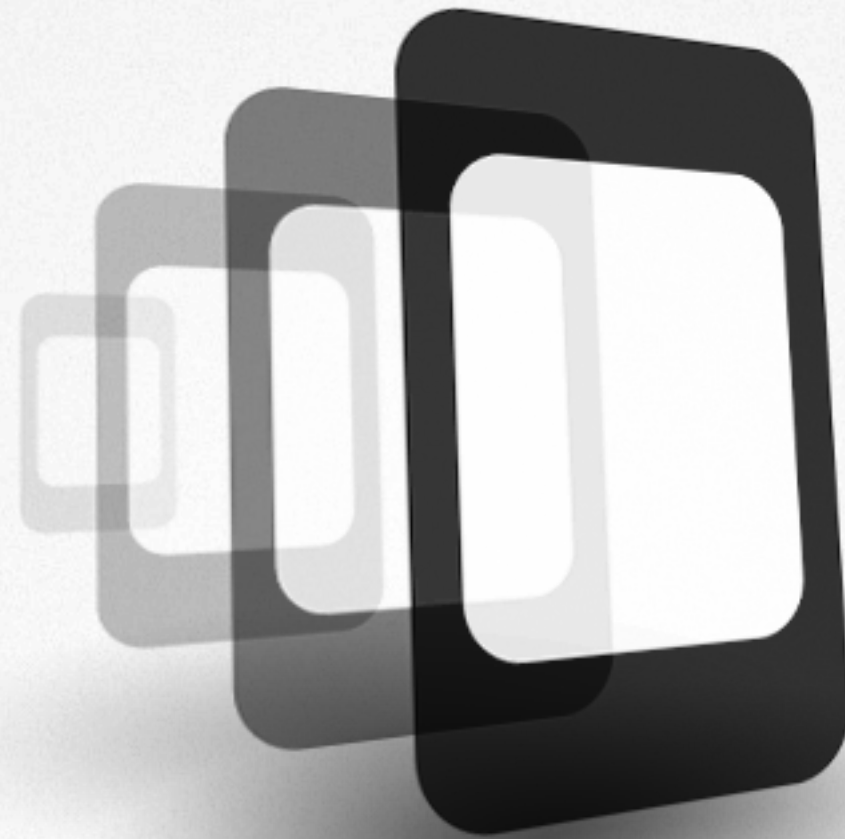




**Take it off(line)!**







Phone**Gap**





IMPROVED MVC

OPTIMIZED BUILDS

CHARTING

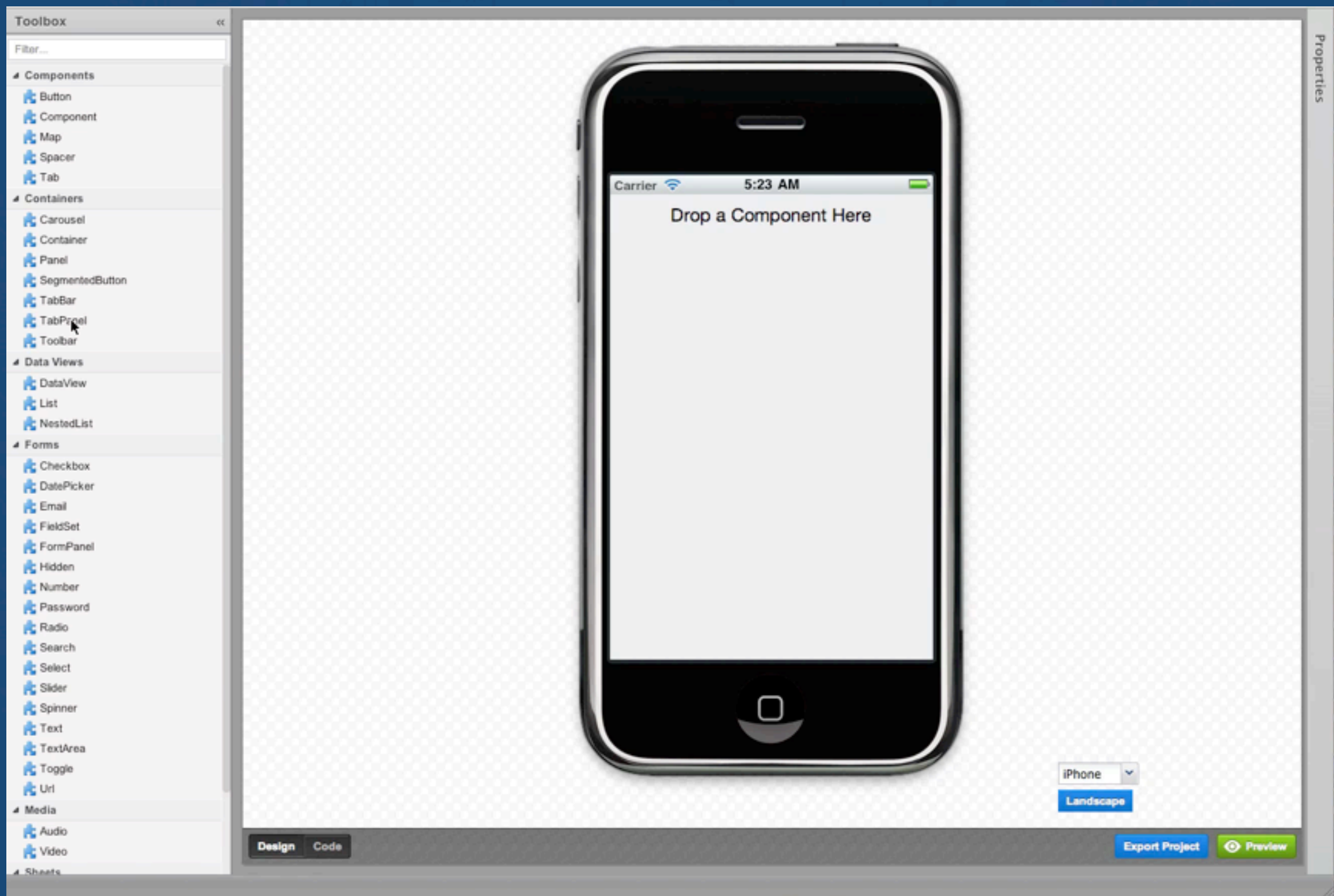
# 2.0

IMPROVED HISTORY

DYNAMIC LOADING

AND ONE MORE THING...







# We're Hiring!





Sencha Touch Theme Contest | Sencha

http://www.sencha.com/theme-contest


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## Sencha Touch Theme Contest

Submit an Entry



Show off your design chops and win some serious hardware!

Prove yourself among the best designers in the world by entering the Sencha Touch Theme Contest. Make the best theme ever seen in a mobile browser. Check out the prizes:


- 1st place: Apple iPad 2, Apple MacBook Air
- 2nd place: Apple iPad 2, BlackBerry PlayBook
- 3rd place: Apple iPad 2

Overview Instructions Official Rules

### Ready, Set, Go!


You already know that Sencha Touch is the leading framework to build advanced HTML5 apps that feel native and deploy on smartphones. You probably also already knew that it comes with gorgeous customizable themes that are built using the latest CSS3 technology.

What you didn't know is that we're giving away some amazing



### How does the contest work?

We bring the function, you bring the form. We've built a sample app, called 'Rookies', a Sencha Touch app for browsing the creations of rookie members on Dribbble.com. The aim of the competition is to make it look as amazing as possible, through the power of CSS alone. (You're not allowed to edit the JavaScript of the app!).



sencha.com/theme-contest





# Thanks!

Still have questions? @davidkaneda

<http://9-bits.com/phillyete>

