

# PhoneGap + Sencha Touch

Hello world!

# PhoneGap + Sencha Touch

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# PhoneGap + Sencha Touch

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Mobile Apps

# PhoneGap + Sencha Touch

## Topics

- 1) Things you should already know
- 2) Things you might not know
- 3) PhoneGap
- 4) Sencha Touch
- 5) Q&A

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Things you should already know

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Internet is the shit

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Web development has a lot of demand

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Smartphones have Angry Birds



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Everybody wants a smartphone

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Smartphones are a bitch for developers

- a) Different APIs / OS
- b) Different screen resolutions

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Things you might not know

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Since the internet is the shit

=>

Smartphones come with native browsers

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Even though most of them are crap  
They have basic functionality

Crippled HTML5 + CSS3 + JS support

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But it works!  
So why not use it?

Widgets / WebApps use it!  
And so can we!

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Smartphones are a bitch for developers

- a) Different APIs / OS
- b) Different screen resolutions

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PhoneGap solves

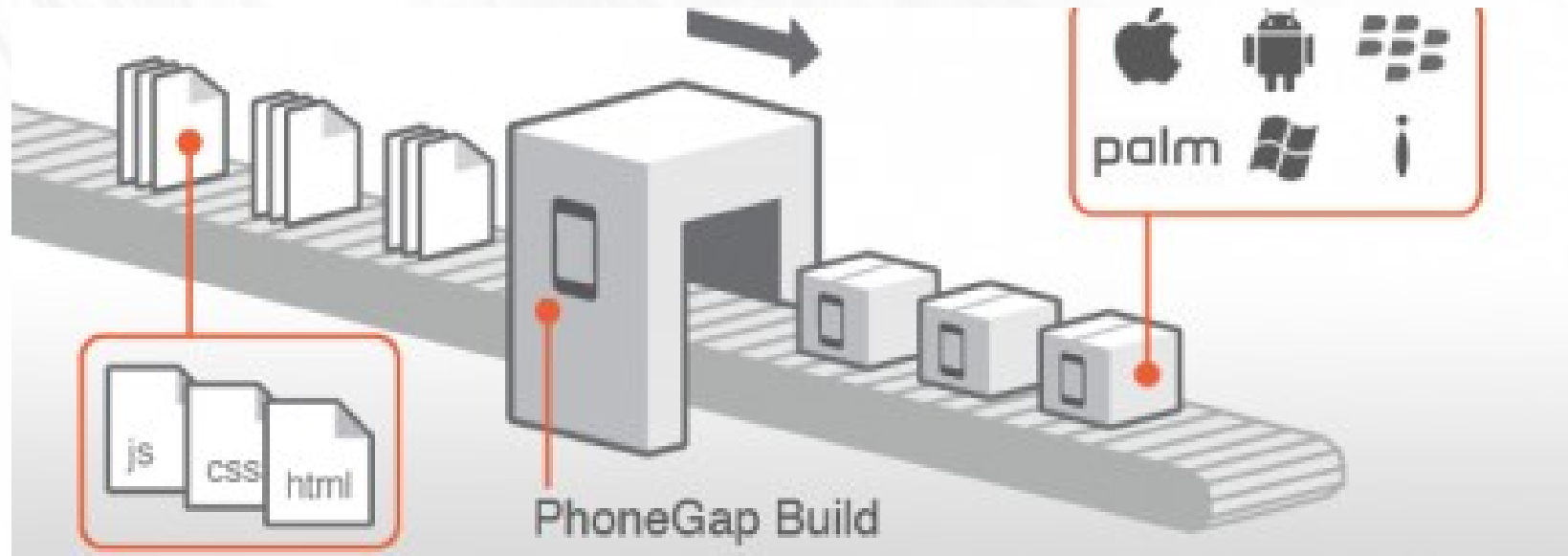
a) Different API / OS



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Hooray for PhoneGap!

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Installation Guides

<http://phonegap.com/start>

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API Documentation

<http://docs.phonegap.com/en/1.2.0/>

# PhoneGap + Sencha Touch

## Examples

Include phonegap.js in our .html

```
<script type="text/javascript" charset="utf-8" src="phonegap.js"></script>
```

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## Device Info

```
document.addEventListener("deviceready", onDeviceReady, false);

function onDeviceReady() {
    var element = document.getElementById('deviceProperties');

    element.innerHTML = 'Device Name: ' + device.name + '<br />' +
        'Device PhoneGap: ' + device.phonegap + '<br />' +
        'Device Platform: ' + device.platform + '<br />' +
        'Device UUID: ' + device.uuid + '<br />' +
        'Device Version: ' + device.version + '<br />';
}
```

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## Acceleration

```
document.addEventListener("deviceready", onDeviceReady, false);

function onDeviceReady() {
    navigator.accelerometer.getCurrentAcceleration(onSuccess, onError);
}

function onSuccess(acceleration) {
    alert('Acceleration X: ' + acceleration.x + '\n' +
        'Acceleration Y: ' + acceleration.y + '\n' +
        'Acceleration Z: ' + acceleration.z + '\n' +
        'Timestamp: ' + acceleration.timestamp + '\n');
}
```

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## Camera

```
navigator.camera.getPicture(onSuccess, onFail, { quality: 50,  
    destinationType: Camera.DestinationType.FILE_URI });
```

```
function onSuccess(imageURI) {  
    var image = document.getElementById('myImage');  
    image.src = imageURI;  
}
```

```
function onFail(message) {  
    alert('Failed because: ' + message);  
}
```



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Smartphones are a bitch for developers

- a) Different APIs / OS
- b) Different screen resolutions

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Sencha Touch solves

b) Different screen resolutions

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Hooray Sencha Touch!

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# PhoneGap + Sencha Touch

<http://www.sencha.com/learn/hello-world>

# PhoneGap + Sencha Touch

<http://docs.sencha.com/touch/2-0/>

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## Examples

### Include sencha in our .html

```
<script src="sencha-touch.js" type="text/javascript"></script>  
<link href="sencha-touch.css" rel="stylesheet" type="text/css"/>
```

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## TabPanel

```
Ext.create('Ext.TabPanel', {  
    fullscreen: true,  
    defaults: {  
        styleHtmlContent: true  
    },  
    items: [{  
        title: 'Home',  
        html: 'Home Screen'  
    }, {  
        title: 'Contact',  
        html: 'Contact Screen'  
    }  
]);
```



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## Carousel

```
Ext.create('Ext.Carousel', {  
    fullscreen: true,  
    defaults: {  
        styleHtmlContent: true  
    },  
    items: [{  
        html : 'Item 1',  
        style: 'background-color: #5E99CC'  
    }, {  
        html : 'Item 2',  
        style: 'background-color: #759E60'  
    }, {  
        html : 'Item 3'  
    }  
});
```

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## DatePicker

```
var datePicker = Ext.create('Ext.picker.Date', {  
    value: new Date()  
});  
  
datePicker.show();
```

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## DataStore

```
Ext.define('User', {
    extend: 'Ext.data.Model',
    fields: [
        {name: 'firstName', type: 'string'},
        {name: 'age', type: 'int'},
    ]
});

var myStore = Ext.create('Ext.data.Store', {
    model: 'User',
    proxy: {
        type: 'ajax',
        url: '/users.json',
        reader: {
            type: 'json',
            root: 'users'
        }
    },
    autoLoad: true
});
```

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## DataView

```
Ext.create('Ext.DataView', {
    fullscreen: true,
    cls: 'twitterView',
    store: {
        autoLoad: true,
        fields: ['from_user', 'text', 'profile_image_url'],

        proxy: {
            type: 'jsonp',
            url: 'http://search.twitter.com/search.json?q=Sencha Touch',

            reader: {
                type: 'json',
                root: 'results'
            }
        }
    },

    itemTpl: '<h2>{from_user}</h2><p>{text}</p><div style="clear: both"></div>'
});
```

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<http://dev.sencha.com/deploy/touch/examples/kitchensink/>

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[Http://tpolm.org/~ps/codebits5/](http://tpolm.org/~ps/codebits5/)

Q&A