

ASE Lab # 9 submitted by Shweta Parihar Class ID – 42

I have used two Cordova plugin that I plan to use in our projects.

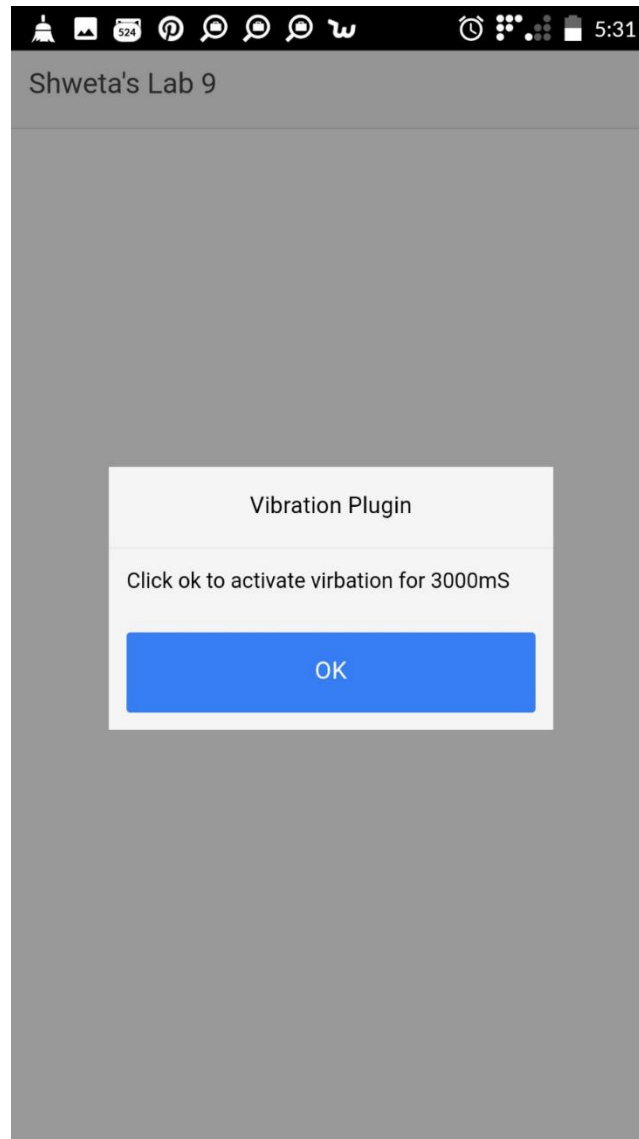
1. Cordova Splash Screen plugin (<http://ngcordova.com/docs/plugins/splashscreen/>)
2. Cordova Vibration plugin (<https://github.com/apache/cordova-plugin-vibration>)

Splash Screen shot:



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Vibration plugin popup screen shot



Splash screen plugin add command

`cordova plugin add org.apache.cordova.splashscreen`

Changes made in the config.xml file

`<preference name="SplashScreen" value="splash" />`

`<preference name="SplashScreenDelay" value="3000" />`

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Vibration plugin add command

```
cordova plugin add cordova-plugin-vibration
```

Controller with popup and vibration code.

```
.controller('MyCtrl', function($scope, $ionicPopup) {  
    $scope.showAlert = function() {  
        var alertPopup = $ionicPopup.alert({  
            title: 'Vibration Plugin',  
            template: 'Click ok to activate virbation for 3000mS'  
        });  
        alertPopup.then(function(res) {  
            navigator.vibrate(3000);  
        });  
    };  
});
```

HTML

```
<ion-pane>  
    <ion-header-bar class="bar-stable">  
        <h1 class="title">Shweta's Lab 9</h1>  
    </ion-header-bar>  
    <ion-content ng-controller="MyCtrl" ng-init="showAlert()">  
  
    </ion-content>  
</ion-pane>
```

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Performance testing using YSlow

chrome-extension://ninejcohidippngpapiilmkgllmakh/yslow.html#1

Home **Grade** Components Statistics Rulesets YSlow(V2) Edit Help

Grade B Overall performance score 88 Ruleset applied: YSlow(V2) URL: http://127.0.0.1:49155/www/index.html

ALL (23) FILTER BY: CONTENT (6) COOKIE (2) CSS (6) IMAGES (2) JAVASCRIPT (4) SERVER (6)

A Make fewer HTTP requests
E Use a Content Delivery Network (CDN)
A Avoid empty src or href
F Add Expires headers
E Compress components with gzip
A Put CSS at top
B Put JavaScript at bottom
A Avoid CSS expressions
n/a Make JavaScript and CSS external
A Reduce DNS lookups
A Minify JavaScript and CSS
A Avoid URL redirects
A Remove duplicate JavaScript and CSS
A Configure entity tags (ETags)
A Make AJAX cacheable
A Use GET for AJAX requests
A Reduce the number of DOM elements
A Avoid HTTP 404 (Not Found) error
A Reduce cookie size
A Use cookie-free domains

Grade E on Compress components with gzip

There are 4 plain text components that should be sent compressed

- <http://127.0.0.1:49155/www/js/app.js>
- <http://127.0.0.1:49155/www/index.html>
- <http://127.0.0.1:49155/www/lib/ionic/js/ionic.bundle.js>
- <http://127.0.0.1:49155/www/lib/ionic/css/ionic.css>

Compression reduces response times by reducing the size of the HTTP response. Gzip is the most popular and effective compression method currently available and generally reduces the response size by about 70%. Approximately 90% of today's Internet traffic travels through browsers that claim to support gzip.

[Read More](#)

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chrome-extension://ninejcohidippngpapiilmkgllmakh/yslow.html#1

Home Grade **Components** Statistics Rulesets YSlow(V2) Edit Help

Components The page has a total of 8 components and a total weight of 2644.0K bytes [Expand All](#)

TYPE	SIZE (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
doc (1)	1.3K									
js (3)	2274.3K									
css (2)	247.5K									
favicon (1)	0.02K									
font (1)	120.7K									

* type column indicates the component is loaded after window onload event
† denotes 1x1 pixels image that may be image beacon

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chrome-extension://ninejcohidippngpapiilmkgllmakh/yslow.html#1

Home Grade Components **Statistics** Rulesets YSlow(V2) Edit Help

Statistics The page has a total of 8 HTTP responses and a total weight of 2644.0K bytes with empty cache

Empty Cache

Component	Size (KB)
Document	1.3K
Favicon	0.02K
CSS	247.5K
JavaScript	2274.3K
Font	120.7K

Total Weight - 2644.0K

HTTP Responses - 8

Browser Cache

Component	Size (KB)
Document	1.3K
Favicon	0.02K
CSS	247.5K
JavaScript	2274.3K
Font	120.7K

Total Weight - 2644.0K

HTTP Responses - 8