

appMobi{!} Javascript API Cheat Sheet 3.3

Listed here are the available appMobi JavaScript APIs. For a complete description of appMobi APIs, articles, samples, and tutorials please visit our online documentation at : <http://www.appmobi.com/documentation>

To enhance your apps with native like experience, download the AppMobi toolkit from : <https://github.com/imaffett/AppMobi.toolkit>

AppMobi.accelerometer

Listen to the device's motion sensor

Methods

watchAcceleration(success,options) - Asynchronously acquire device acceleration at given interval (returns watchID)

clearWatch(watchID) - Stops process started with watchAcceleration

AppMobi.cache

Used to provide local storage (cache) for data to speed up applications

Methods

addToMediaCacheExt(url,id) - Get a file or files from the Internet and cache it locally on the device

removeFromMediaCache(url) - Removes a file from local cache

clearMediaCache() - Removes all files from local cache on the device

getMediaCacheList() - Gets array containing names of all previously cached files (returns cacheArray)

getMediaCacheLocalURL(url) - Returns a url that can be used to access a cached media file (returns localURL)

setCookie(name,value,expiration) - Sets data that persists from session to session

getCookie(name) - Retrieve value of cookie saved using setCookie

getCookieList() - Returns an array containing names of all previously saved cookies

removeCookie(name) - Clear data previously saved with setCookie

clearAllCookies() - Clears all data stored using setCookie

Events

appMobi.cache.media.update

appMobi.cache.media.remove

appMobi.cache.media.clear

AppMobi.camera

Use device camera and access the device camera library

Methods

takePicture(quality,saveToLibrary,picType) - Take a picture with device camera

importPicture() - Move photo from app's native camera file service to picture list

deletePicture(picFilename) - Remove photo from app picture list

clearPictures() - Removes all photos from app picture list

getPictureList() - Returns list of all photos stored in app picture list

getPictureURL(picFilename)
Return URL of the specified picture on local webserver

Events

appMobi.camera.picture.add
appMobi.camera.picture.busy
appMobi.camera.picture.cancel

appMobi.camera.picture.add
appMobi.camera.picture.busy
appMobi.camera.picture.cancel

appMobi.camera.picture.remove

appMobi.camera.picture.clear

AppMobi.player

Play audio and video

Methods

startAudio(relativeURL) - Load and start specified audio file

toggleAudio() - Pause/Play audio started with call to startAudio

stopAudio() - Stop audio started with a call to startAudio

startShoutcast(shoutcastURL,showPlayer) - Load and play a station hosted by Shoutcast

playPodcast(podcastURL) - Load a specified podcast (audio or video) from the web

loadSound(releativeURL) - Preload specified sound file to avoid lag

unloadSound(relativeURL) - Unload a specified sound file to free resources

playSound(relativeURL) - Play a specified sound file

play() - Restarts playback of a paused player that was started via startShoutcast

pause() - Pauses the playback of a loaded player that was started via startShoutcast

stop() - Stop playback of a loaded player that was started via startShoutcast

volume(volumePercentage) - Controls the volume of streaming audio

rewind() - Rewinds the play head to beginning of track or 30 seconds from current position

ffwd() - Advances the play head to end of track or 30 seconds from current position

show() - Shows the native appMobi player UI

hide() - Hides the native appMobi player UI

setPosition(portraitX,portraitY,landscapeX,landscapeY) - Allows setting of position of native player on screen

setColors(backColor,fillColor,doneColor,playColor)
- Allows changing of colors of the progress bar of the appMobi native player

Events

appMobi.player.audio.start
appMobi.player.audio.busy
appMobi.player.audio.error

appMobi.player.audio.stop
appMobi.player.audio.busy
appMobi.player.audio.error

appMobi.player.track.change
appMobi.playershoutcast.start
appMobi.playershoutcast.stop
appMobi.playershoutcast.play
appMobi.playershoutcast.pause
appMobi.playershoutcast.busy
appMobi.playershoutcast.error

appMobi.player.podcast.start
appMobi.player.podcast.stop
appMobi.player.podcast.busy
appMobi.player.podcast.error

appMobi.playersound.error

appMobi.playersound.error

appMobi.playershow

appMobi.player.hide

AppMobi.display

Take control of the device's video display properties

Methods

Viewport(widthPortrait,widthLandscape) - Size down application for a smaller device

startAR() - Triggers appMobi's augmented reality mode

stopAR() - Turns off augmented reality mode

AppMobi.device Configure settings of the device itself

| Methods | Events |
|--|----------------------------------|
| managePower(stayOn,onlyWhenPluggedIn) - Variables are booleans that determine how device behaves in different power states | |
| installUpdate() - Immediately install a waiting Live Update | |
| setAutoRotate(boolean) - Controls whether device automatically handles rotation or not | |
| setRotateOrientation(orientation) - Locks orientation of device to either "landscape" or "portrait" | |
| updateConnection() - Queries the device to determine current connection to internet | appMobi.device.connection.update |
| setBasicAuthentication(domain,user,pass) - Sets header data required for basic authentication over the internet | |
| addVirtualPage() - Intercepts single press of device hardware "back" button and fires event instead | appMobi.device.hardware.back |
| removeVirtualPage() - Removes the interception of device hardware "back" button | |
| launchExternal(url) - Opens specified URL in device's native browser | |
| showRemoteSiteExt(url,closetImagePortraitX,closetImagePortraitY,closetImageLandscapeX,closetImageLandscapeY,closetImageWidth, closetImageHeight) - Shows a remote website in a different web view | appMobi.device.remote.close |
| getRemoteData(url,reqMethod,reqBody,success,error) - Makes background POST/GET requests of XML data | |
| hideSplashScreen() - Hides application splash screen earlier than it automatically does | |

Properties

| |
|---|
| platform - Returns either iOS or Android |
| model - Returns model of the device app is running on |
| uuid - Returns device's unique identification id |
| osversion - Returns the device's current OS version info |
| appmobiversion - Returns version of appMobi container software app is using |
| initialOrientation - Returns one of following: 0 = Portrait, 180 = Upside Down Portrait, 90 = Landscape Right, -90 = Landscape Left |
| orientation - Returns current orientation of device (see possible values above for initialOrientation) |
| phonegapversion - Returns version of PhoneGap running below appMobi layer |
| hasAnalytics - Indicates whether analytics have been enabled for app |
| hasCaching - Says whether caching has been enabled for this application. Functions under AppMobi.cache (See above) for mediacache will not be available if this is false |
| hasStreaming - Indicates whether streaming has been enabled for app |
| connection - Senses best type of internet connection available (returns "wifi", "cell", or "none") |
| queryString - Returns any query string parameters passed with a protocol handler call to start an app |

AppMobi.notification Alert application's user about application state

| Methods | Events |
|--|--|
| beep(x) - Beep the device x times | |
| vibrate() - Vibrate the device | |
| alert(message,title,buttonText) - Display a modal alert box | |
| showBusyIndicator() - Turns on device's busy state graphic | |
| hideBusyIndicator() - Turns off device's busy state graphic | |
| getNotificationList() - Get list of id keys to obtain access to the list of available notifications for a user | |
| getNotificationData(id) - Gets data associated with a notification | |
| checkPushUser(userID,password) - Confirms credentials of a user, or log existing user in on different device | appMobi.notification.push.enable |
| addPushUser(userID,password,email) - Register a new user ID on a particular appMobi app | appMobi.notification.push.enable |
| editPushUser(newEmail,newPassword) - Change email and password associated with the push notification service | appMobi.notification.push.useredit |
| sendPushUserPass() - Send email message to a user including password for push notifications | appMobi.notification.push.sendpassword |
| setPushUserAttributes(homeLat,homeLong,currentLat,currentLong,birthyear,gender) - Associates demographic information with a user | appMobi.notification.push.usereditattributes |
| findPushUser(userID,email) - Allow users to find other users | appMobi.notification.push.userfind |
| refreshPushNotifications() - Allow users to for a device to re-synchronize notifications between device and database on server | appMobi.notification.push.refresh |
| readPushNotifications(notificationIDs) - Removes notifications from the server | appMobi.notification.push.read |
| sendPushNotification(userID,message,data) - Send a push notification to another user of the application | appMobi.notification.push.send |
| showRichPushViewer(notificationID,closetImagePortraitX,closetImagePortraitY,closetImageLandscapeX,closetImageLandscapeY,closetImageWidth,closetImageHeight) - Display a rich push message | appMobi.notification.push.rich.close appMobi.notification.push.rich.close |
| closeRichPushViewer() - Force a rich push message to close | appMobi.notification.push.rich.close |

AppMobi.geolocation Make application aware of current location

| Methods |
|--|
| getCurrentLocation(success,error) - Gets current location (latitude/longitude) of the device |
| watchPosition(success,error,options) - Track progress during a trip rather than a single location |
| clearWatch(watchTimer) - Stops process started by watchPosition when watch timer is passed |

Stay tuned for the
3.4.0 Cheat Sheet
coming very soon.