

Web Resources

Outline

A Phonegap Project utilizes the commonly available web resources (HTML5, CSS, JavaScript) in implementation of mobile hybrid applications. The web resources are reusable regardless of type of the device. Once the platform container (iOS, Android, etc.) is established, you can develop the web resources using HTML5, JavaScript, CSS, etc.

Concept			
Title	Version	Position (Parenthesis refers to Android Only)	Description
Phonegap	4.3.0	(assets/)www/js/egovframework/mbl/cmm/cordova.js	The runtime environment of eGovFramework Device API uses the object JavaScript and provides API to access the device. Web Application accesses the device resource by way of Web App.
EgovHybrid	1.0	(assets/www/js/egovframework/mbl/cmm/EgovHybrid.js)	Runtime environment for Mobile eGovFramework for common JavaScript objects and functions for hybrid mobile application.
EGovComModuleAPI	1.0	www/js/egovframework/mbl/cmm/EGovComModule.js	Runtime environment for Mobile eGovFramework for common JavaScript objects and functions for hybrid mobile application.
EgovMobile	1.4.5	(assets/)www/js/egovframework/mbl/cmm/EgovMobile-1.4.5.js	Common JavaScript functions for Mobile eGovFramework that are used for the functions actionsheet, alert, overlay, prompt, confirm dialog, etc.
jQuery	1.1.2	(assets/)www/js/egovframework/mbl/cmm/jquery-1.11.2.js	When dynamic display control, change of design using CSS or use of animation is required in the course of web development, low-level JavaScript coding would suffocate you. Use of jQuery in such a situation would thus be a wiser option.
jQuery Mobile	1.4.5	(assets/)www/js/egovframework/mbl/cmm/jquery.mobile-1.4.5.js	Being a user interface framework, jQuery mobile features simplified interface of jQuery for use in development of mobile applications.
json2	1.0	(assets/)www/js/egovframework/mbl/cmm/json2.js	A JavaScript intended to convert a text-type json into an object-type json, and vice versa.
Modernizr	2.0.	(assets/)www/js/egovfr	A JavaScript Library intended to verify availability of functions such as HTML

zr 4 amework/mb1/cmm/mo 5 and CSS3.
dernizr-2.0.4.js

Description

PhoneGap

PhoneGap provides API to access the device using Javascript objects in cordova.js. Web Application accesses the device resource by way of Web App.

Composition	Description
Accelerometer	Utilizes motion sensor of the device
Camera	Shoots photo
Capture	Captures media file
Compass	Compass information
Connection	Verifies network status and provides cellular network information
Contacts	Recording contacts
Device	Provides specific information to the device
Events	Hooks the events using JavaScript
File	File services
Geolocation	Geolocation information
Media	Recording and playing audio
Notification	Notification
Storage	Inquiry of storage information

Visit <http://docs.phonegap.com/en/4.0.0/index.html> for more information.

EgovHybrid

Runtime environment for Mobile eGovFramework for common JavaScript objects and functions for hybrid mobile application.

EgovHybrid.js

Function	Description
backKeyDown	Configuration for termination of Application using Back Key

sleep	Function intended to stop progression of scripts
fn_Confirm3G	Calls in-app alert of charging for 3G connection
fn_egov_network_check	Checks Wi-Fi when using the network
loaded	iScroll setting
EgovInterface.prototype.get	Http GET Method function.
EgovInterface.prototype.post	Http POST Method function.
EgovInterface.prototype.geturl	GET URL function.
StorageInfo	Plug-in JavaScript Object to refer to Storage Information
DeviceNumber	Plug-in JavaScript Object to refer to Device Number Information

EGovComModuleAPI

Runtime environment for Mobile eGovFramework for common JavaScript objects and functions for hybrid mobile application.

EGovComModuleAPI.js

Function	Description
EgovInterface	Http POST Method function.
StorageInfo	Plug-in JavaScript Object to refer to Storage Information
fn_egov_network_notification	Alerts functions notifying the device network information
fn_egov_network_check	Checks Wi-Fi when using the network

EgovMobile-1.4.5

Common JavaScript functions for Mobile eGovFramework that are used for the functions actionsheet, alert, overlay, prompt and confirm dialog.

Visit

http://www.egovframe.org/wiki/doku.php?id=egovframework:mrte:ux_ui:ux_ui_controller_component for more information.

jQuery

When dynamic display control, change of design using CSS or use of animation is required in the course of web development, low-level JavaScript coding would suffocate you. Use of jQuery in such a situation would thus be a wiser option.

Visit http://docs.jquery.com/Main_Page for more information.

jQuery Mobile

Being a user interface framework, jQuery mobile features simplified interface of jQuery for use in development of mobile applications.

Visit <http://jquerymobile.com/demos/1.4.5/> for more information.

json2

A JavaScript intended to convert a text-type json into an object-type json, and vice versa.

Visit <http://www.json.org/js.html> for more information.

Modernizr

A JavaScript Library intended to verify availability of functions such as HTML5 and CSS3.

Visit <http://modernizr.com/docs/> for more information.

References

Title	Link
Mobile Runtime Environment	http://www.egovframe.org/wiki/doku.php?id=egovframework:mrte:ux_ui:ux_ui_controller_component
PhoneGap 4.3.0 Download	http://phonegap.com/download
PhoneGap Developing a Plugin on iOS	http://docs.phonegap.com/en/3.3.0/guide_plugin-development_ios_index.md.html#Developing%20a%20Plugin%20on%20iOS
PhoneGap 4.3.0 Documents	http://docs.phonegap.com/en/4.0.0/index.html
jQuery	http://jquery.com
jQuery Mobile	http://jquerymobile.com
json2	http://www.JSON.org
Modernizr	http://www.modernizr.com