

Lite/Quick App API proposal

Merging of Web and Mobile APP CG

<https://www.w3.org/community/mwma/>

What is Lite/Quick App

- A new form of mobile App
- Install-free
- Richer UI and function than Web
- Lite/Quick App carrier:
 - Can be within Native App
 - Can be on OS level



What is the problem

- Various Lite/Quick App platforms provide different APIs to developers
- High cost to developers, have to maintain multiple codes
- Cause fragmentation

Goal of this work

- Collaborate and discuss how to define a standardized Lite/Quick App API for developers

What kind of API

1. Network API: Websocket management
2. User Interaction API: page scroll, alert, prompt, navigation, redirect, tabBar, etc.
3. Device API: clipboard, phone call, screen control
4. Location API: user location
5. Storage/File API: file, storage data management

Network API

1. LiteApp.connectSocket
2. LiteApp.onSocketOpen/offSocketOpen
3. LiteApp.onSocketError/offSocketError
4. LiteApp.sendSocketMessage
5. LiteApp.onSocketMessage/offSocketMessage
6. LiteApp.closeSocket
7. LiteApp.onSocketClose/offSocketClose

User Interaction API

1. `LiteApp.pageScrollTo`
2. `LiteApp.alert`
3. `LiteApp.confirm`
4. `LiteApp.prompt`
5. `LiteApp.navigateTo/navigateBack`
6. `LiteApp.redirectTo`
7. `LiteApp.tabBar`

Device API

1. LiteApp.getClipboard/setClipboard
2. LiteApp.makePhoneCall
3. LiteApp.setKeepScreenOn
4. LiteApp.getScreenBrightness/setScreenBrightness

Location API

1. LiteApp.getLocation

Storage/File API

1. LiteApp.saveFile
2. LiteApp.getFileInfo
3. LiteApp.removeSavedFile
4. LiteApp.setStorage/getStorage
5. LiteApp.removeStorage