Objective

• Get an overview of “Quick App” – what it is, its status/roadmap/etc
• Brainstorming the potential interaction / collaboration w/ W3C
What is “Quick App”

<table>
<thead>
<tr>
<th></th>
<th>Web App</th>
<th>Native App</th>
<th>Quick App</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Install</td>
<td>Link Easily</td>
<td>Inconsistent Perf</td>
<td>Lacks APIs</td>
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<tr>
<td>No Install</td>
<td>Link Poorly</td>
<td>Good Perf</td>
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- **New Form** of Mobile App – No install/uninstall, Various entrance, Can be used on the fly
- Standardized by top China mobile device makers

Bar/quad code, Battery, Network, Contact, Phone call, AI, etc
“Quick App” Usage Scenarios

Entrance Everywhere
App Market, Desktop shortcut, Global Search, Browser, ...

Scenario-based Recommendation
Smart Assistance – Travel/Voice/Vision/Touch/etc

Social Sharing
Link sharing via mainstream sharing applications
“Quick App” structure

• Configuration
• Common Script
• Page & Resource
A quick look at the code – cont.

```javascript
import fetch from '@system.fetch'

export default {
  data: {
    title: ['景区', '酒店'],
    dataList: []
  },
  
  onInit: function () {
    fetch.fetch({
      url: "http://app.getData/rest/api/dataList",
      success: function (ret) {
        this.dataList = JSON.stringify(ret.data);
      }.bind(this)
    })
  }
}
```

- **fetch()**: Get the content of list items

**Define method**
Runtime Architecture

- **JS Framework**
  - Widget
  - Feature
  - Router
  - MVVM

- **JS Engine**
- **Hybrid Bridge**

- **Built-in Widgets**
  - Text
  - Image
  - List
  - ......

- **Built-in Features**
  - System
  - 3rd-Party

- **App Services**
  - PUSH
  - Account
  - Payment Analytics

- **Events Handling**
  - Touch
  - Key

- **Operating System**
Component & API

Component
- Base
- Advanced
- User-define

System API
- File System
- Hardware Features
- Image/Media
- WebSocket
- Canvas
- WebGL
- ...

3rd Party Service
- Pay
- Share
- Account
- ...

System Service
- PUSH
- Statistics
- ...

Quick App
var ai = require("@system.ai ")
ai.detectFace(...) 
ai.detectLabel(...) 
...

AI, AR - Experiment

AI - Image Label

AI - Face Detection

AR - Dishes
Quick App

W3C

Joint WebXR (AR)
AI (High level AI – face detection/etc.,
Low level API – Neuronal Networks API)
WebAssembly

WICG
WebXR CG
WebML CG
...
?
Thank You