

Dokit For 小程序



01 小程序dokit能力边界

02 源码和思路

03 后续迭代方向

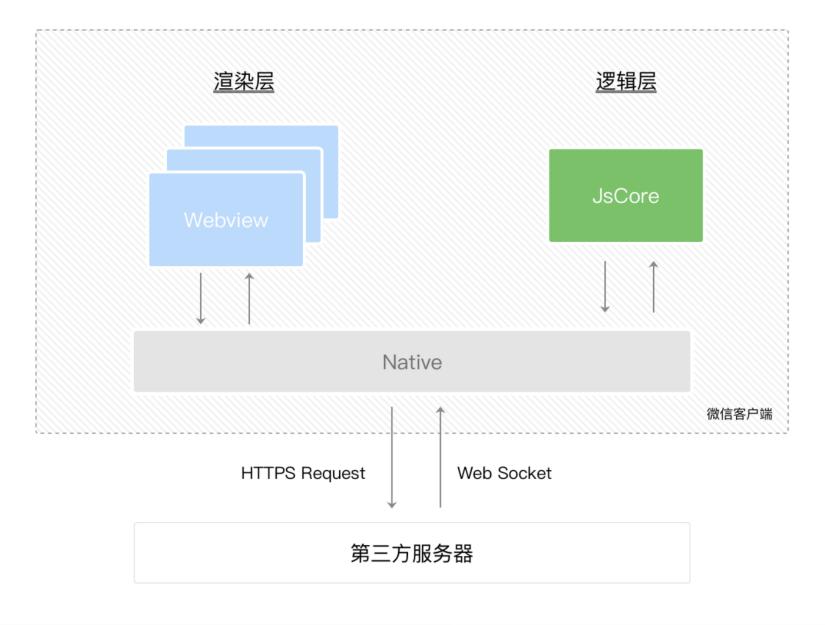
04 课后作业



Part 01 能 力 边 界

小程序系统架构 —— 双线程模型





回顾双线程模型由来





在框架内跳舞



微信App 小程序基础库 Dokit-miniapp



Part 02 源 码 及 思 路

知识准备



1. 理解Object.defineProperty()

参考链接: https://developer.mozilla.org/zh-
 CN/docs/Web/JavaScript/Reference/Global Objects/Object/defineProperty

2. 浏览微信小程序API

参考链接: https://developers.weixin.qq.com/miniprogram/dev/api/

3. 了解组件的生命周期

参考链接:
 https://developers.weixin.qq.com/miniprogram/dev/reference/api/Component.html

demo-位置模拟



```
const app = getApp()
wx.chooseLocation({
   success: res => {
                                                                           app.originGetLocation = wx.getLocation
      this.setData({ currentLatitude: res.latitude });
                                                                           wx.getLocation({
      this.setData({ currentLongitude: res.longitude })
                                                                                type: 'gcj02',
      Object.defineProperty(wx, 'getLocation', {
          get(val) {
                                                                                success:res=> {
             return function (obj) {
                                                                                    this.setData({currentLatitude:res.latitude}),
                obj.success({latitude: res.latitude, longitude: res.longitude})
                                                                                    this.setData({currentLongitude:res.longitude})
      })
                                                                           })
})
                          点击设置模拟位置, 打开选
                                                           点击恢复真实位置
                                 择位置页面
                                                                                            Object.defineProperty(wx, 'getLocation',
                                                                                                get(val) {
                                                                                                     return app.originGetLocation
                                                       使用Object.defineProperty
                         使用Object.defineProperty
```

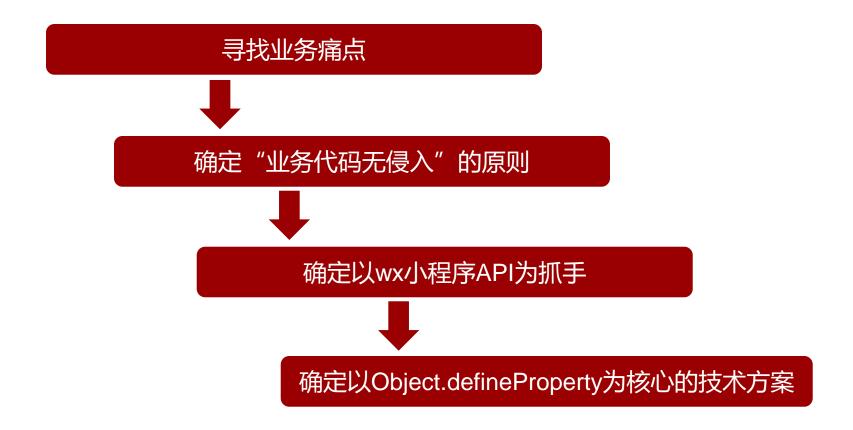
恢复wx.getLocation()

改写wx.getLocation()

});

思路总结



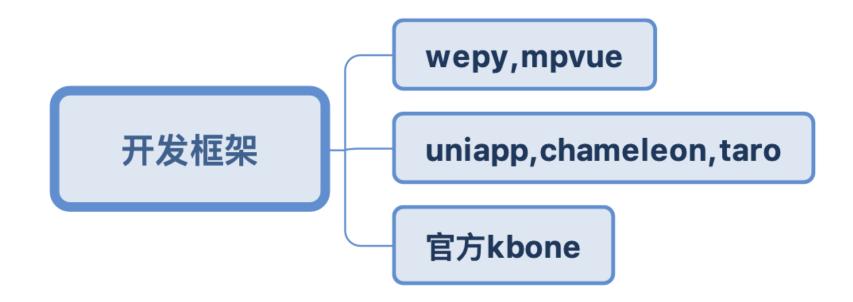




Part 03 后续迭代方向

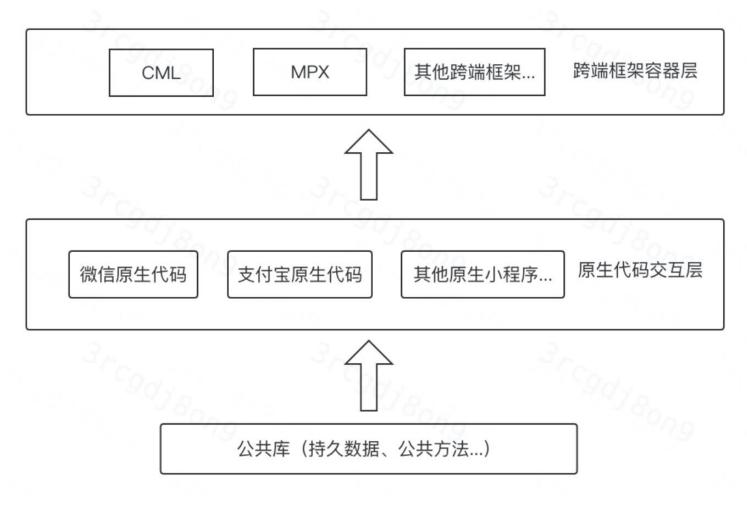
回顾小程序开发框架





2.0架构设计

目的: 为满足更加丰富的引入方式



dokit-mp



- dokit-mp-cml
 - ▼ src
 - components
 - index.cml
 - package.json
- dokit-mp-mpx
 - · src
 - components
 - index.mpx
 - package.json
- dokit-mp-wx
 - src
 - components
 - network(功能组件)
 - index
 - package.json
- dokit-mp-alipay
- dikit-mp-api
 - ▼ src
 - utils
 - index
 - package.json
- package.json



Part 04 课 后 作 业

课后作业



在现有dokit源码基础上实现类似chrome devtool中的network功能,用于监测单个小程序的请求发送情况

Elements Console Sources Network Performance Memory Application	Security Lighthouse		
O ☐ Q ☐ Preserve log ☑ Disable cache ☐ No throttling ▼ ☐ ★			
Filter	Manifest Other Has blocke	ed cookies	3
10000 ms 20000 ms 30000 ms 40000 ms 50000 ms 60000 ms 70000 ms	80000 ms 90000 ms	100000 ms 110000 ms	120000 ms 130000 ms 140000 ms
Name	Status	Туре	Initiator
viewpage.action?pageId=479874876	200	document	Other
batch.css	200	stylesheet	viewpage.action?pageId=479874876
batch.css?build-number=7502&confluence.table.resizons=true&hostenabled=true&is-server-instanc	200	stylesheet	viewpage.action?pageId=479874876
batch.js?locale=zh-CN	200	script	viewpage.action?pageId=479874876
batch.js?build-number=7502&confluence.table.resizaenabled=true&is-server-instance=true&locale=	200	script	viewpage.action?pageId=479874876
do1_LYntFhLZH3PbLEChHLCr	200	stylesheet	viewpage.action?pageId=479874876
water-mark1.0.js	200	script	viewpage.action?pageId=479874876
MathJax.js?config=TeX-AMS-MML_HTMLorMML	200	script	viewpage.action?pageId=479874876
do1_8B5PbYZfqwlTRDPqrLDJ	200	png	viewpage.action?pageId=479874876
do1_DWKnz5U3ebaXZFXqYA1V	200	png	viewpage.action?pageId=479874876
do1_jxLvVenRx1UIT5tBPbCM	200	png	viewpage.action?pageId=479874876
d logo_icon.png	302	json / Redirect	viewpage.action?pageId=479874876
■ default-space-logo-256.png	200	png	viewpage.action?pageId=479874876
resources	200	xhr	batch.js?locale=zh-CN:332
tips	200	xhr	batch.js?locale=zh-CN:332

思想自由 兼容并包

DoKit



Q&A