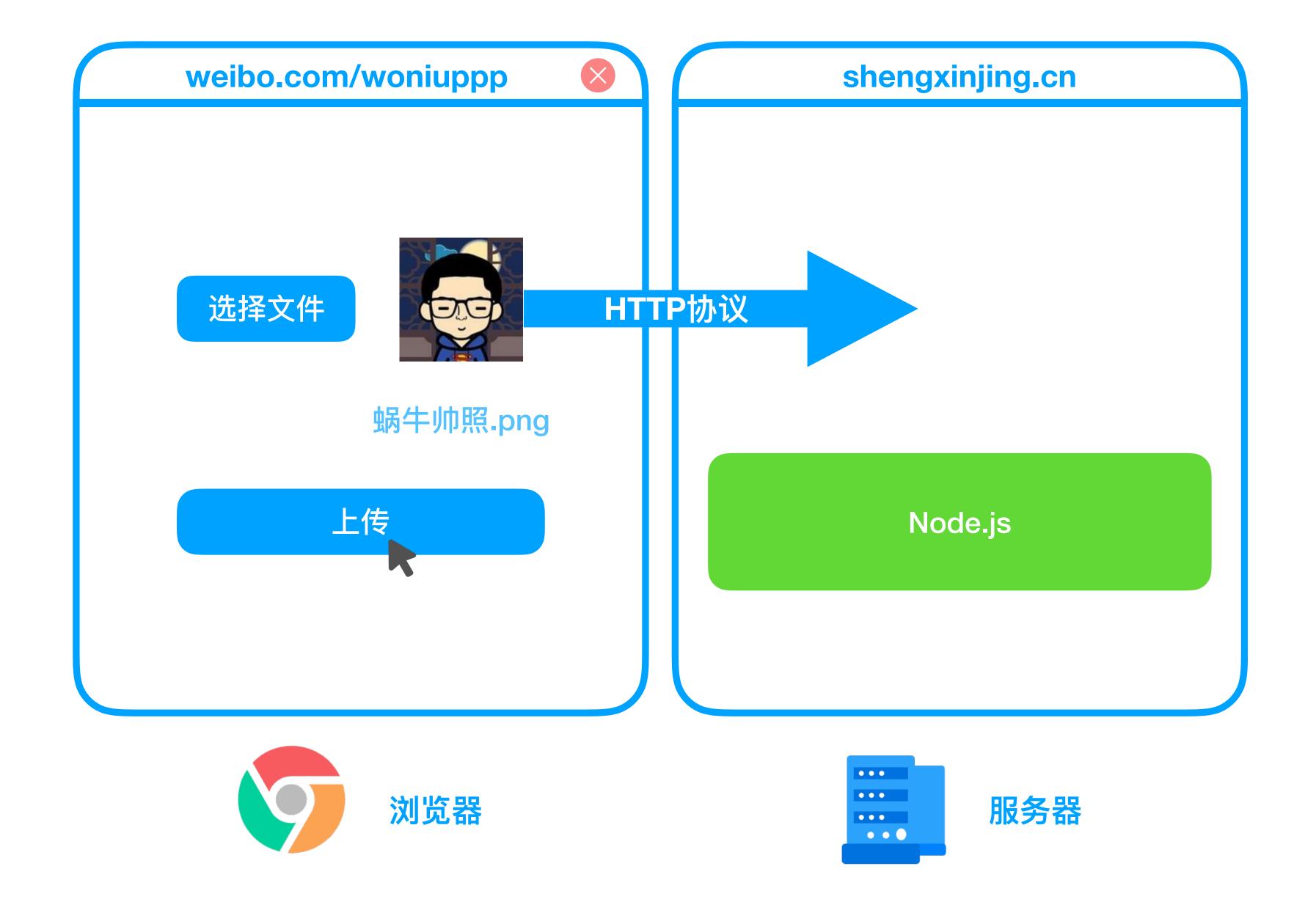


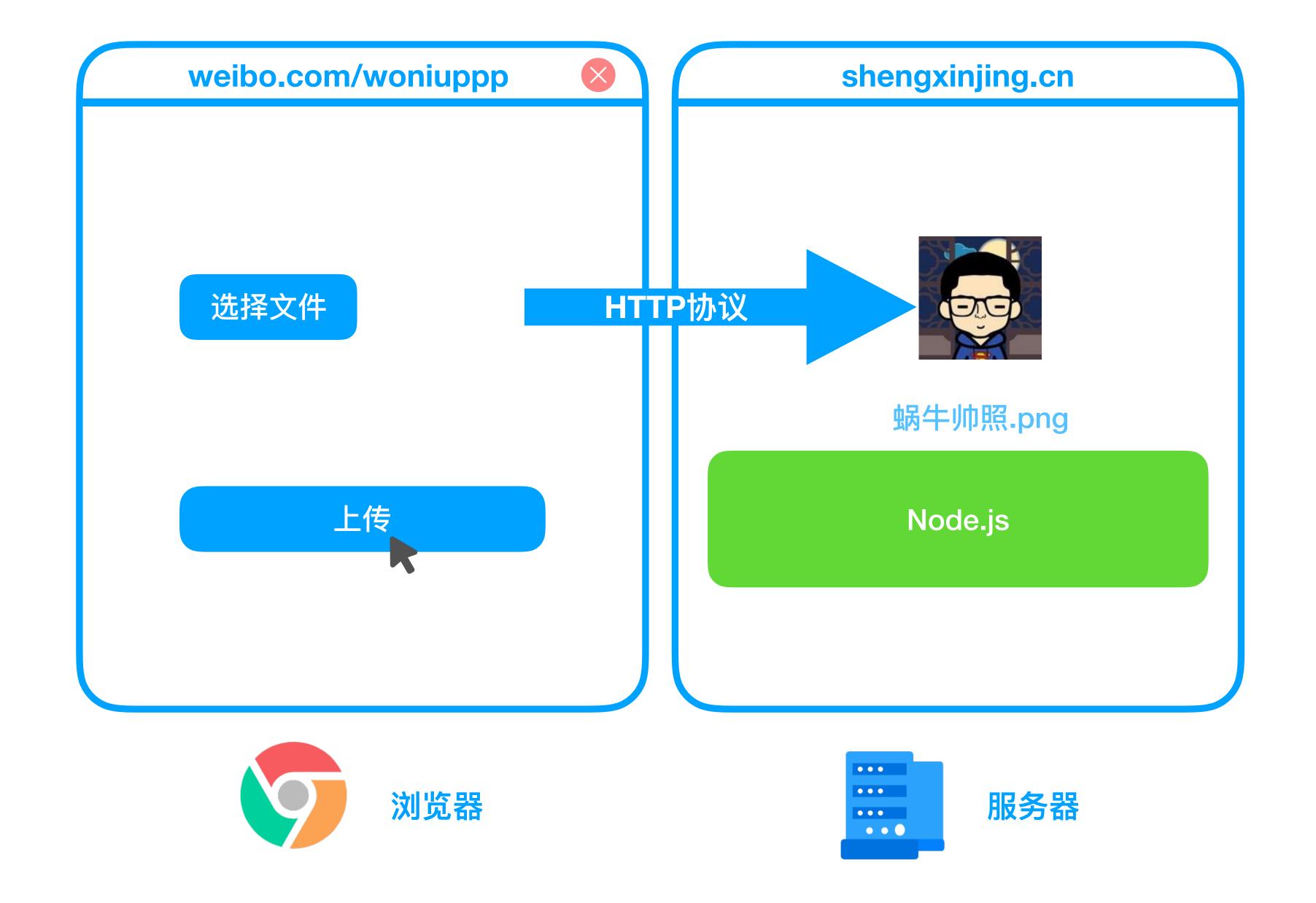


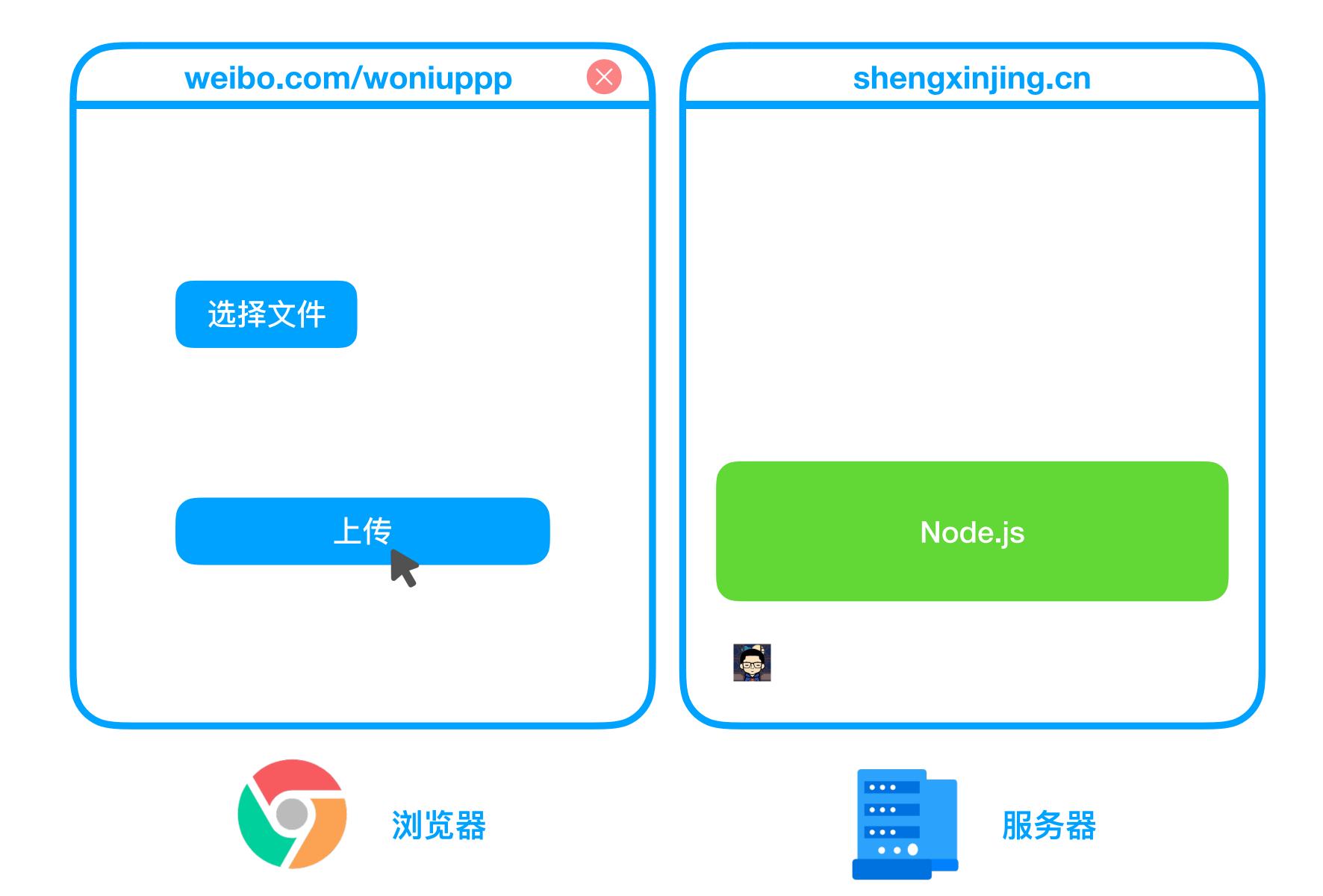
weibo.com/wonit 选择文件 蜗牛! 上传



uppp	X	
帅照.png		
览器		

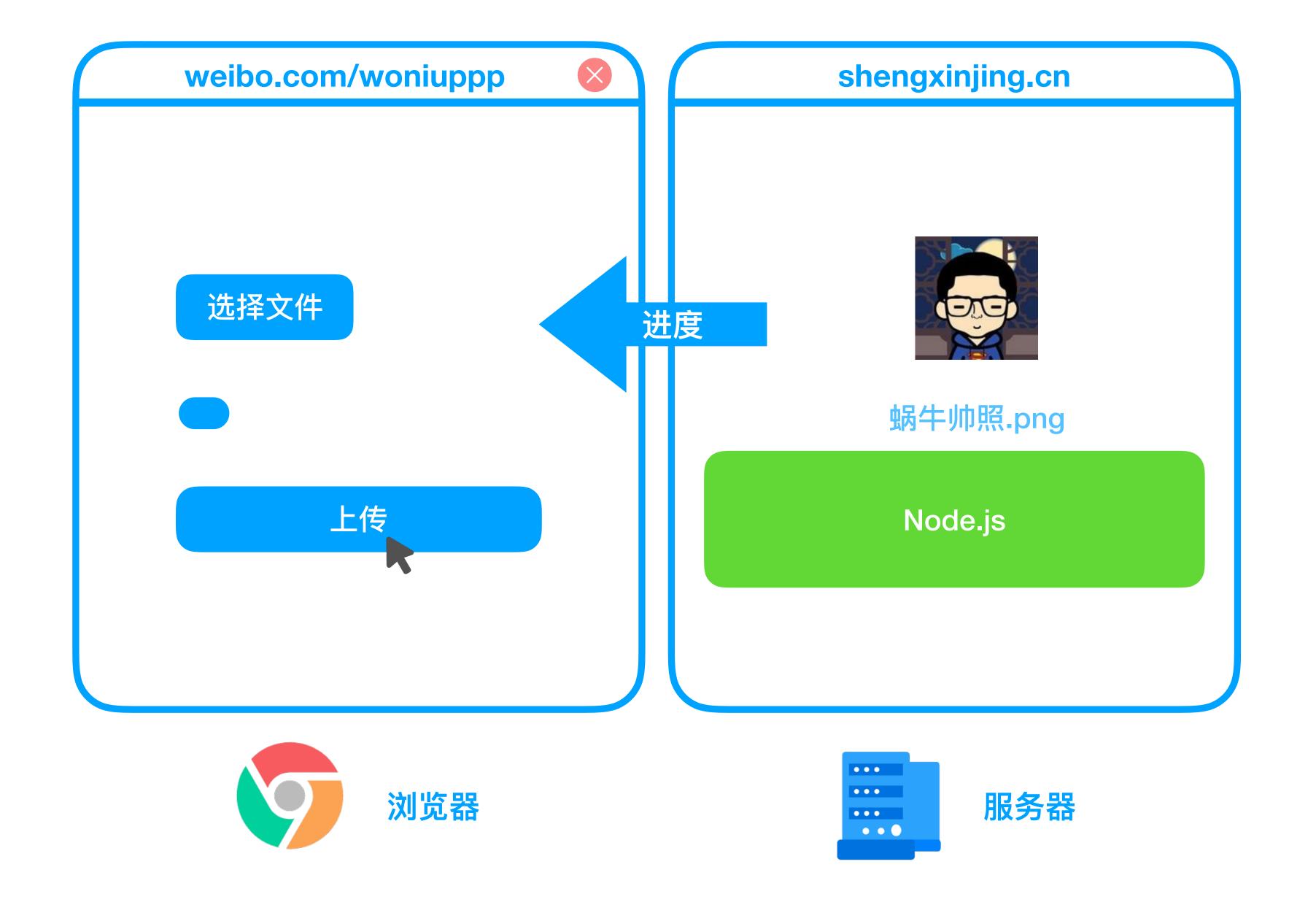






考点

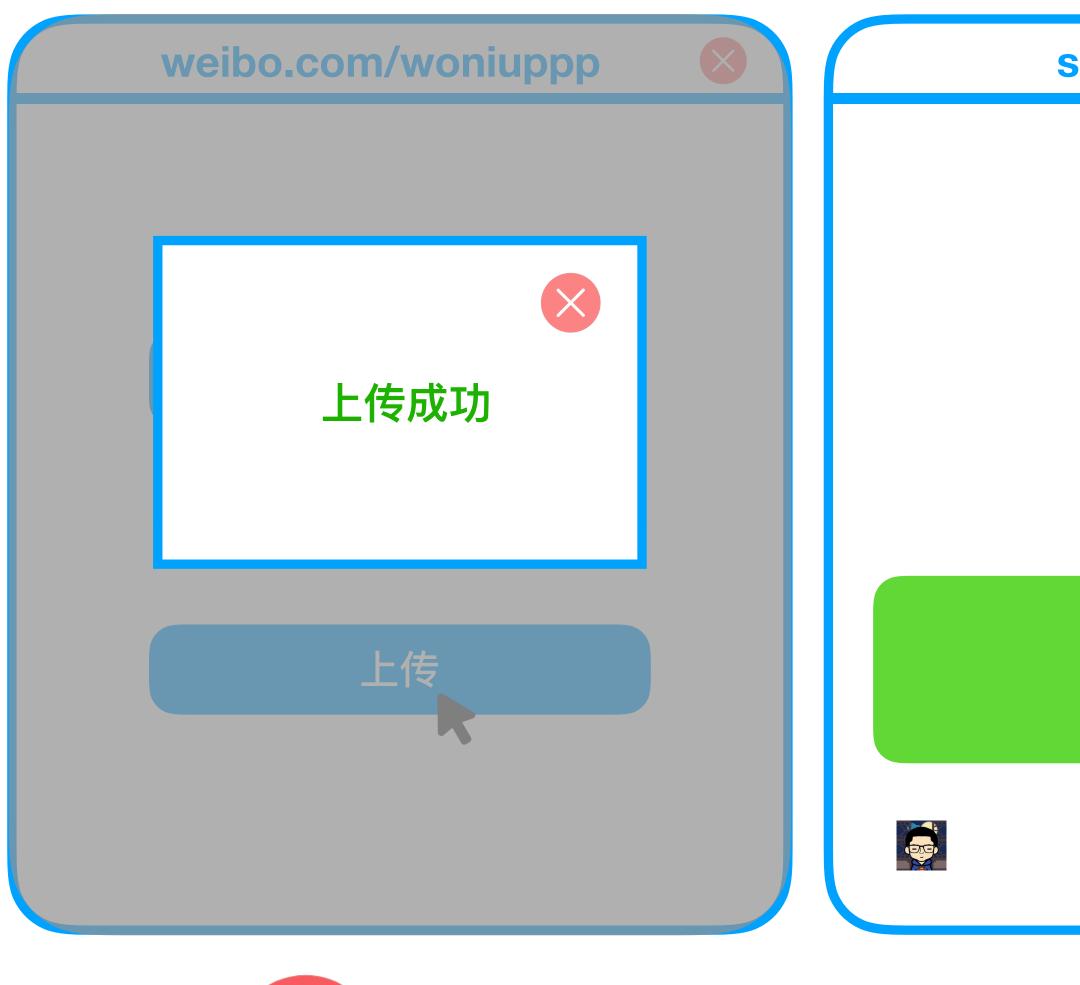
- 表单
- http协议头
- node.js文件处理
- 用户等待体验差

















考点

- formData
- 进度控制
- 拖拽上传
- 粘贴上传
- 用户体验





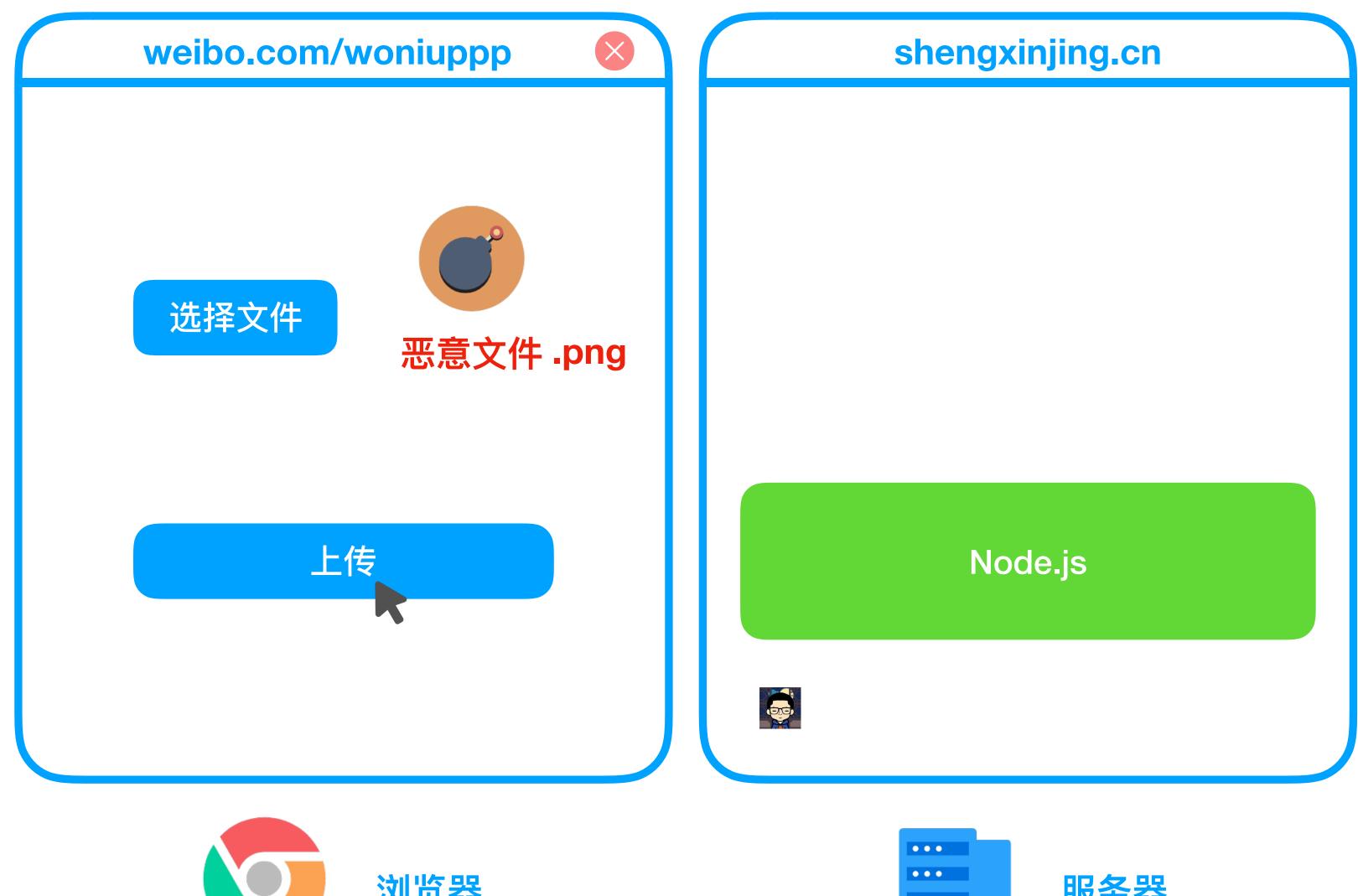














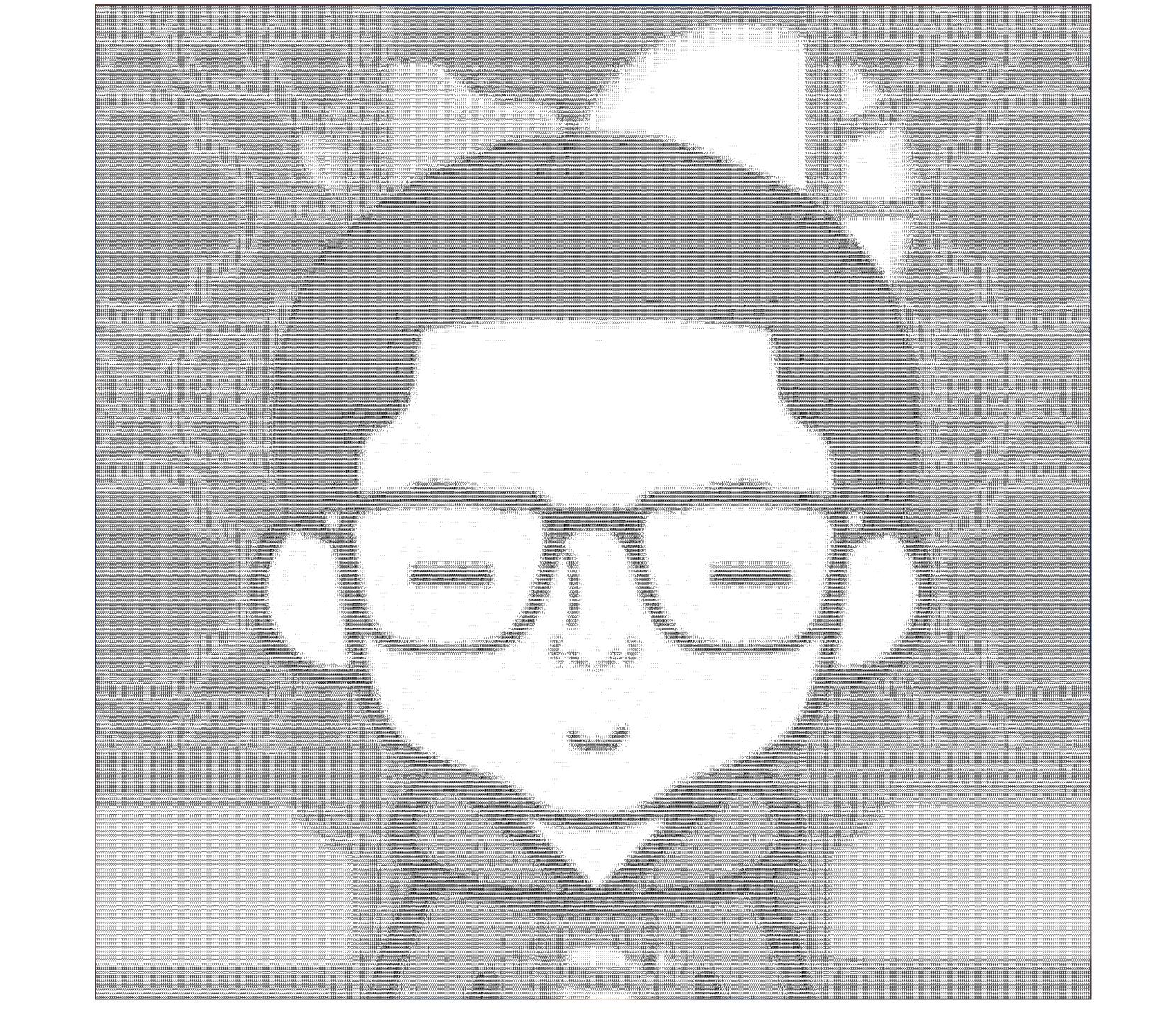




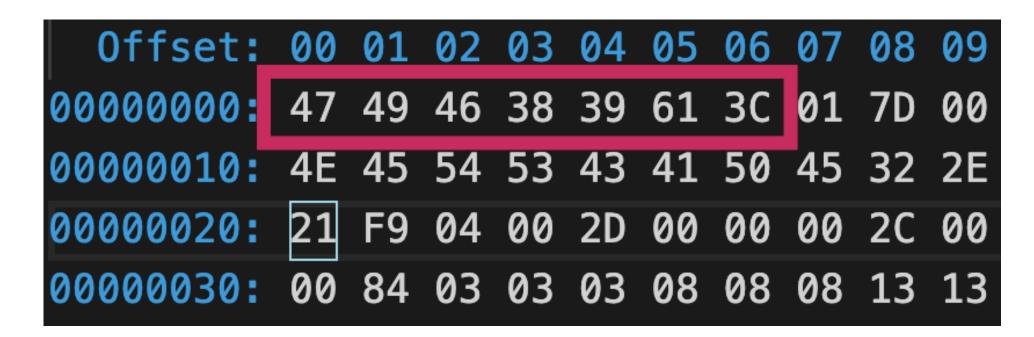














Offset: 00 01 02 03 04 05 06 07 08 000000000: FF D8 FF E0 00 10 4A 46 49 0000010: 00 64 00 00 FF EC 00 11 44 000016d0: DF DD C0 50 53 C4 FE 6C 04 000016e0: 08 0B 3F FF D9



Offset: 00 01 02 03 04 05 06 07 08 09 00000000: 89 50 4E 47 0D 0A 1A 0A 00 00 00000010: 00 00 04 38 00 00 04 6B 08 06 00000020: D6 00 00 00 04 73 42 49 54 08 00000030: 88 00 00 20 00 49 44 41 54 78

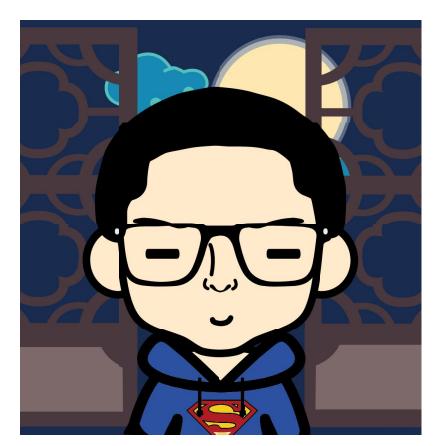
考点

- 图片文件信息
- 文件大小校验
- 字符串和十六进制ascii码
- 那么大文件呢

weibo.com/woniuppp

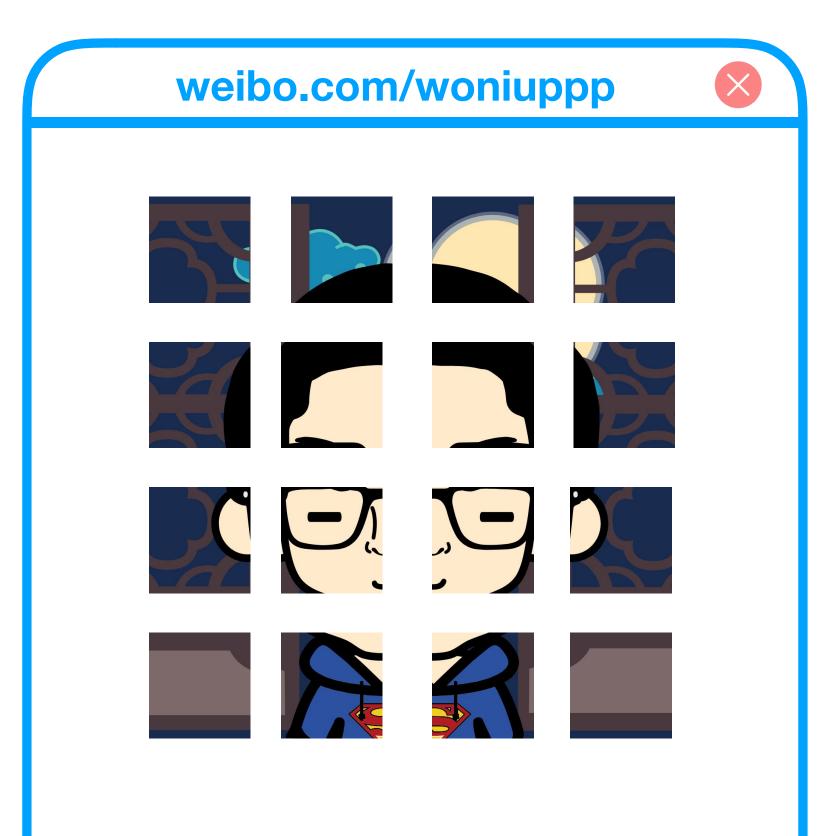


shengxinjing.cn





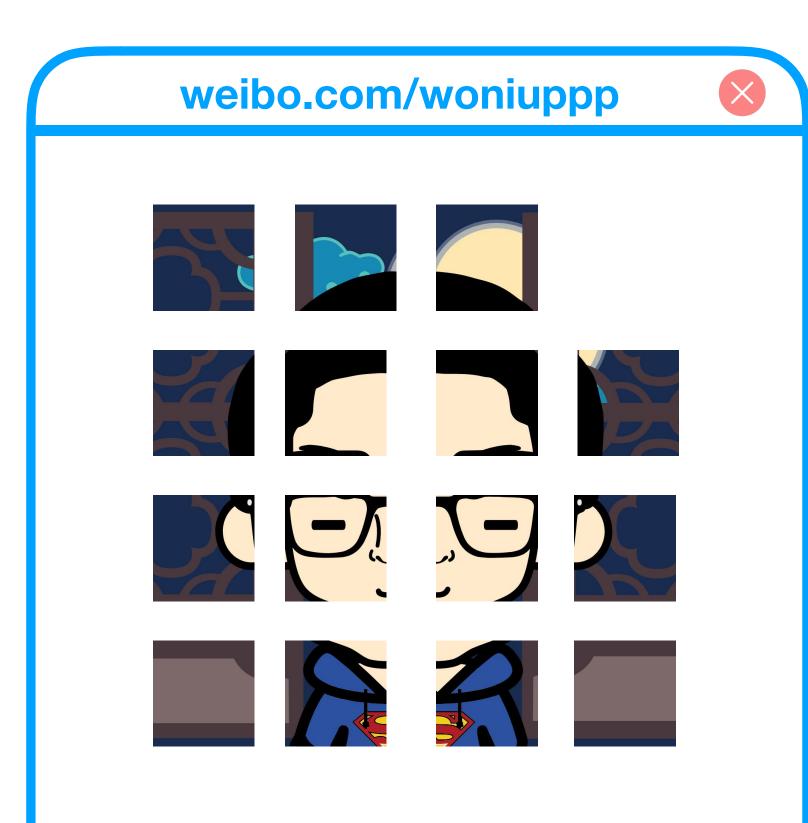










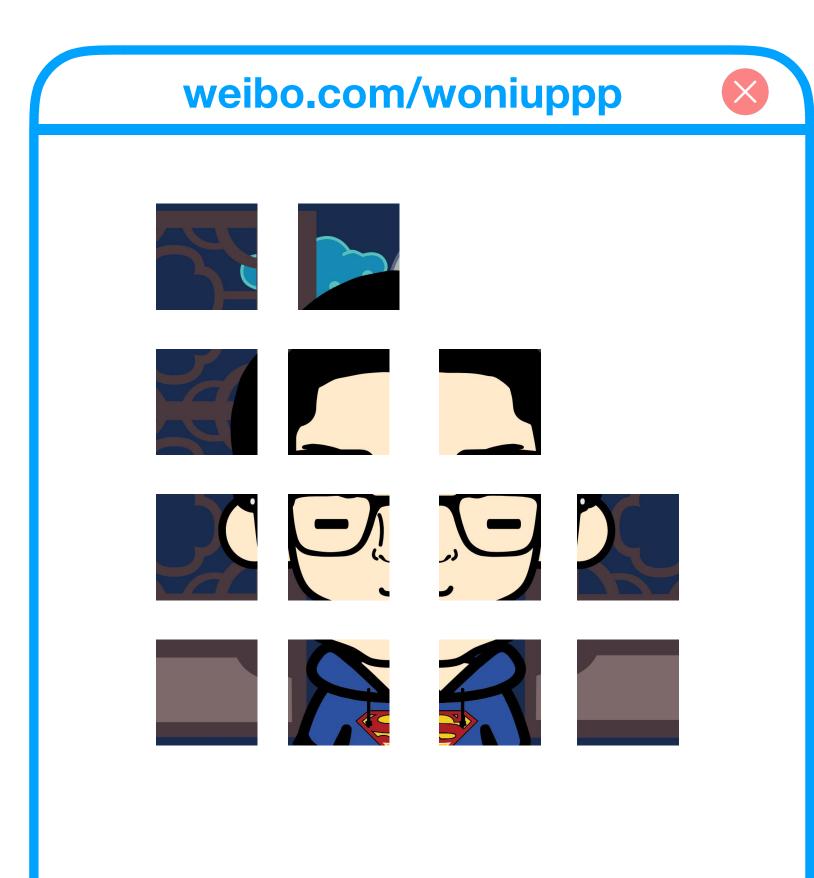


shengxinjing.cn









shengxinjing.cn

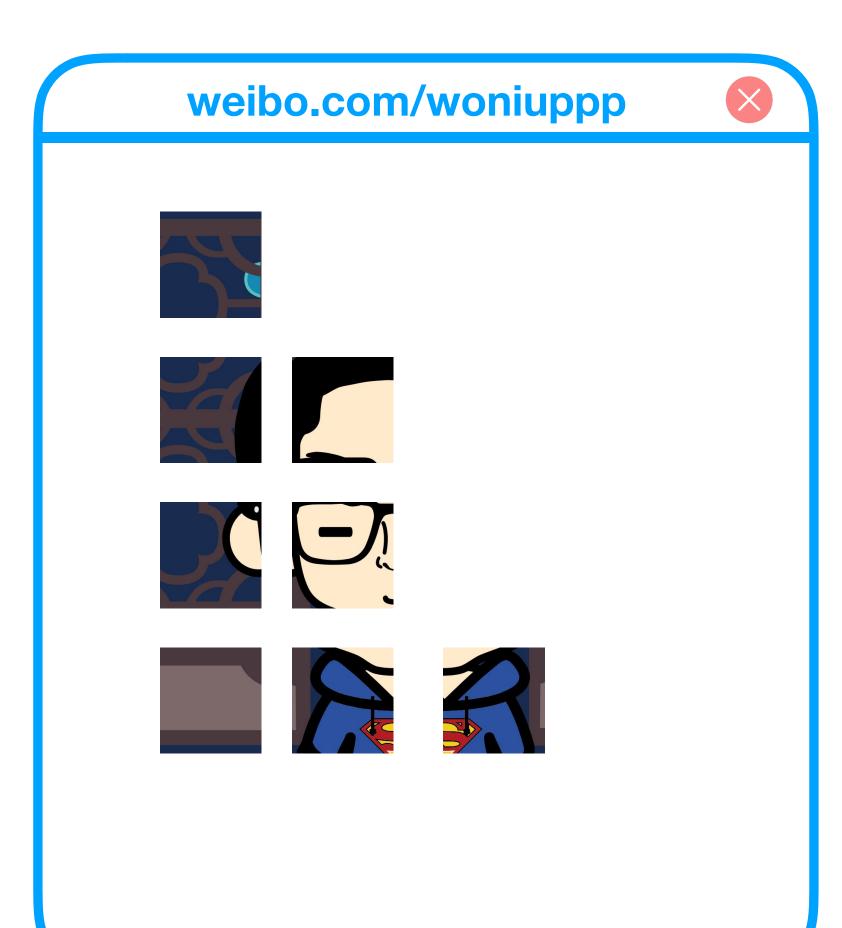


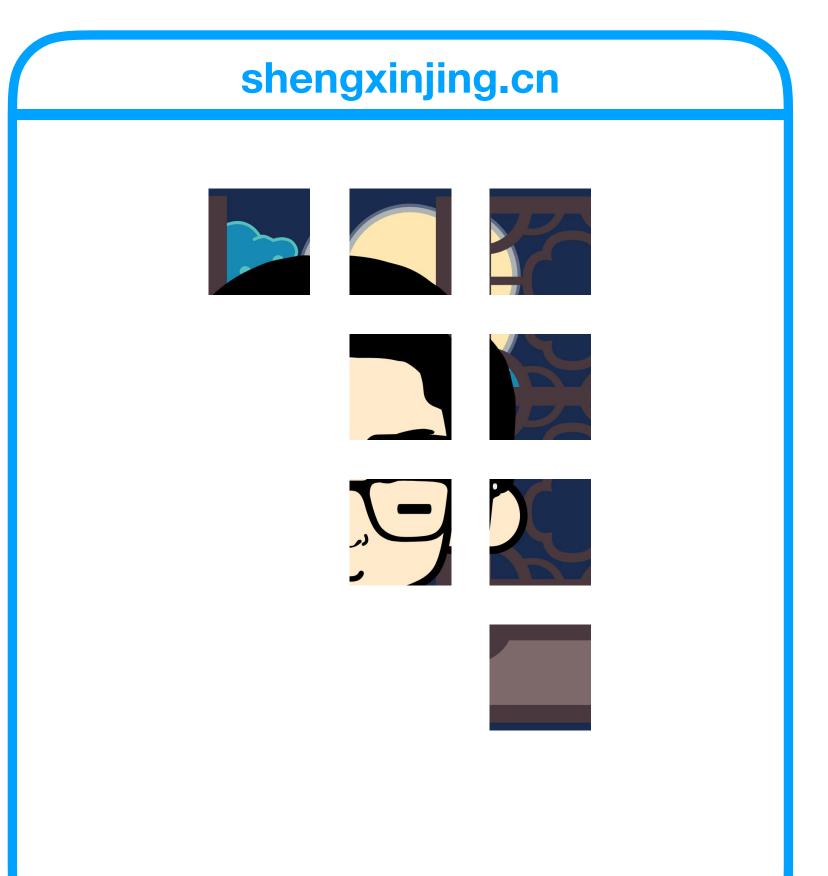






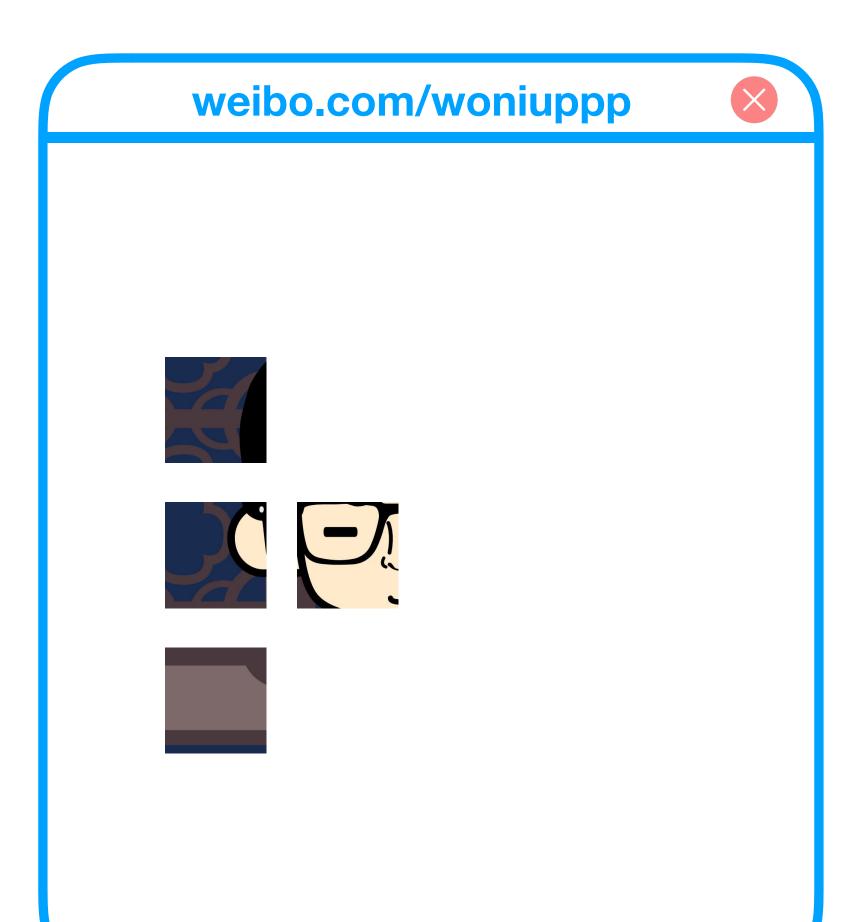












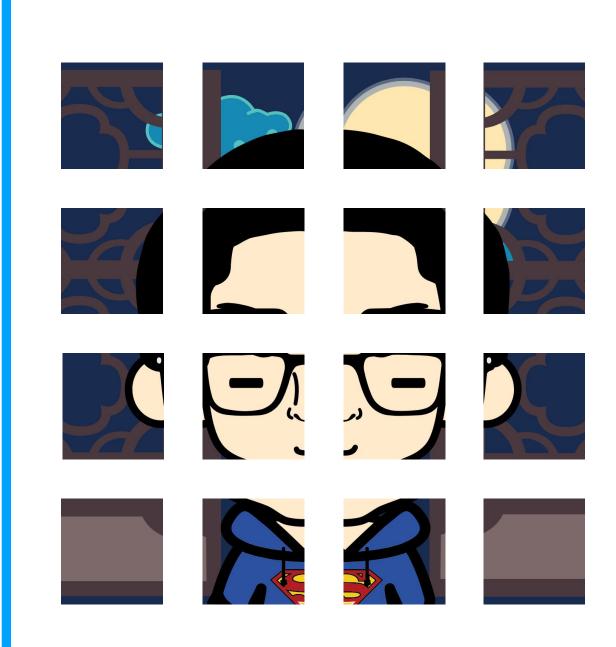






weibo.com/woniuppp

shengxinjing.cn



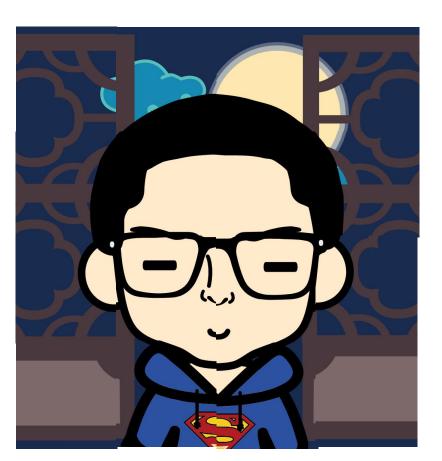




weibo.com/woniuppp



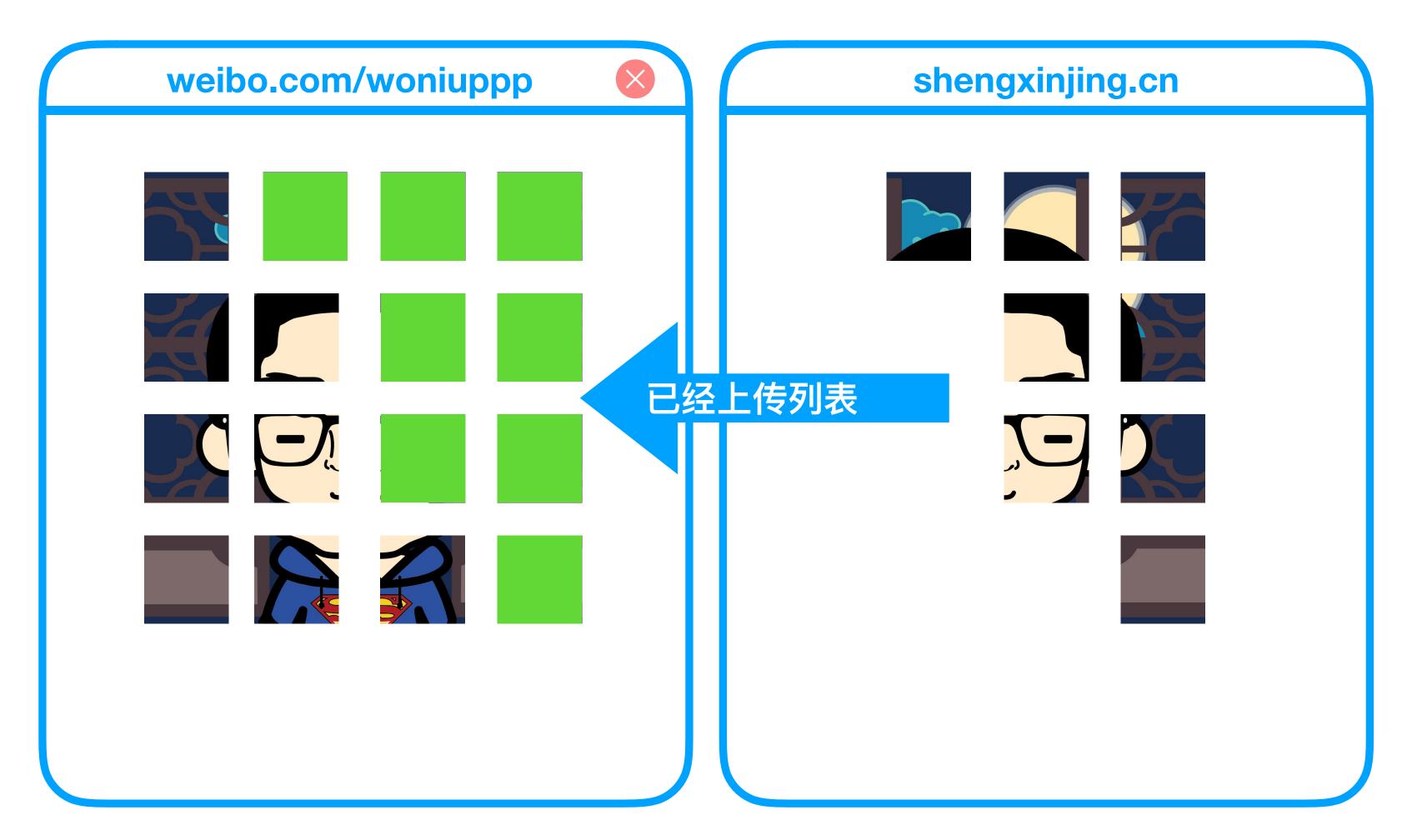
shengxinjing.cn





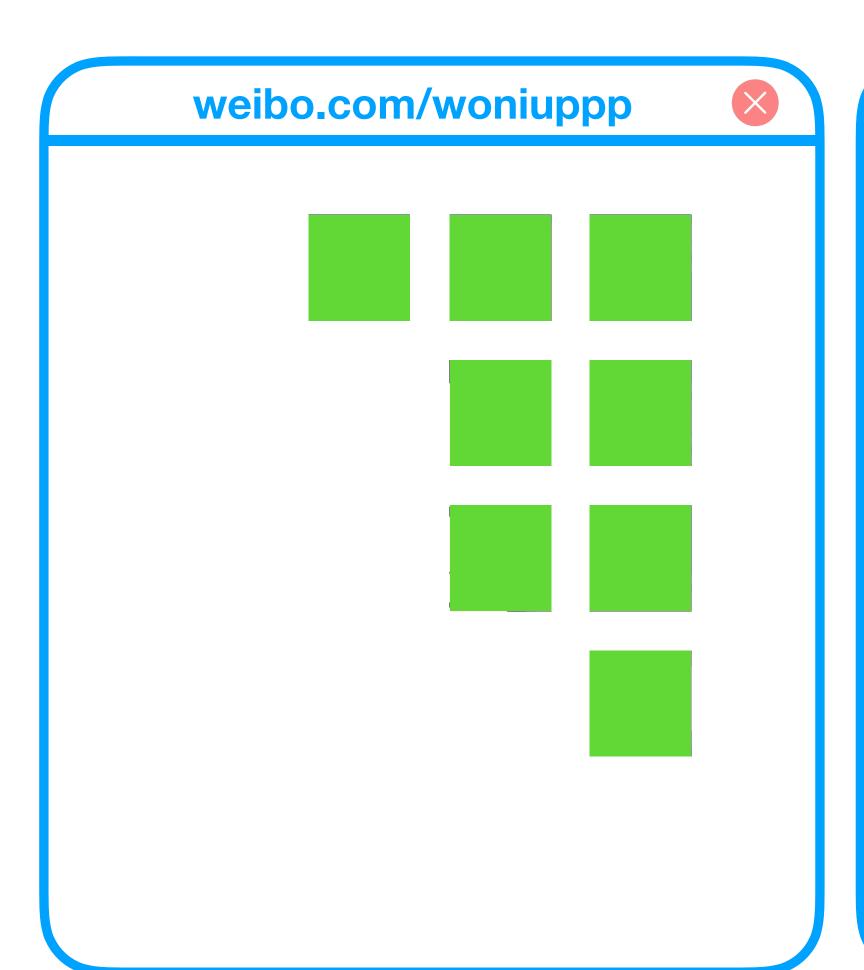


断点续传和秒传

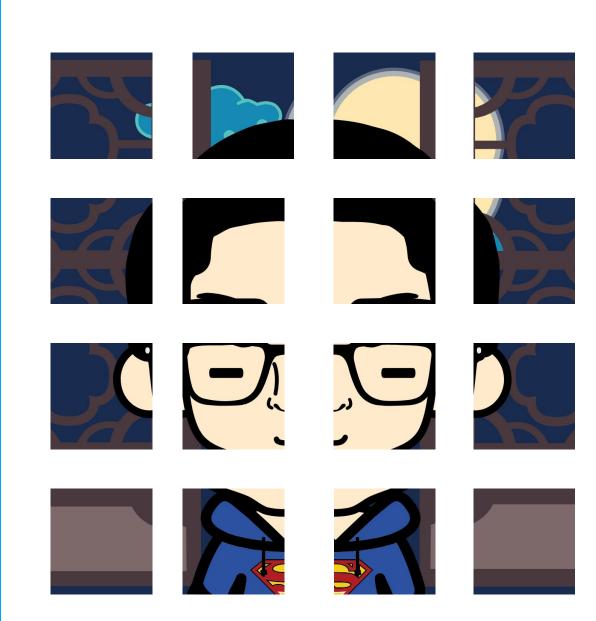




















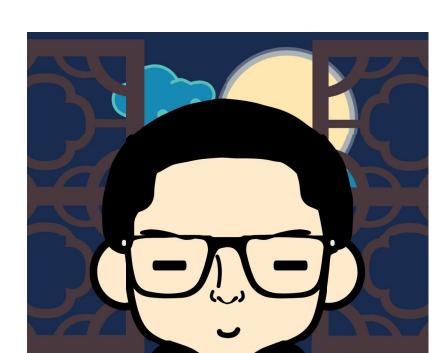


考点

- Blob.slice切片
- 断点续传
- 秒传
- 那么怎么判断文件是否存在呢

weibo.com/woniuppp





蜗牛帅照.png

0fc557c722689bfac5a2a8be85e51240

文件MD5(指纹)

shengxinjing.cn

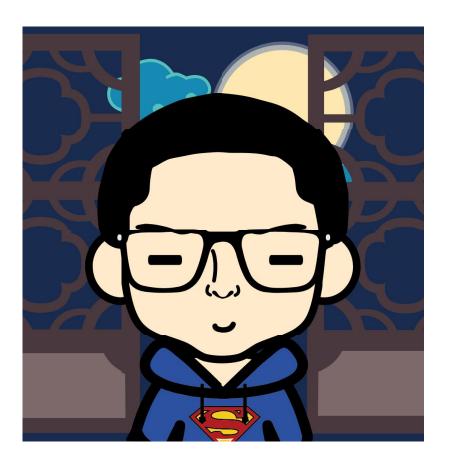




weibo.com/woniuppp



shengxinjing.cn



0fc557c722689bfac5a2a8be85e51240 .png

蜗牛帅照.png

文件MD5(指纹)

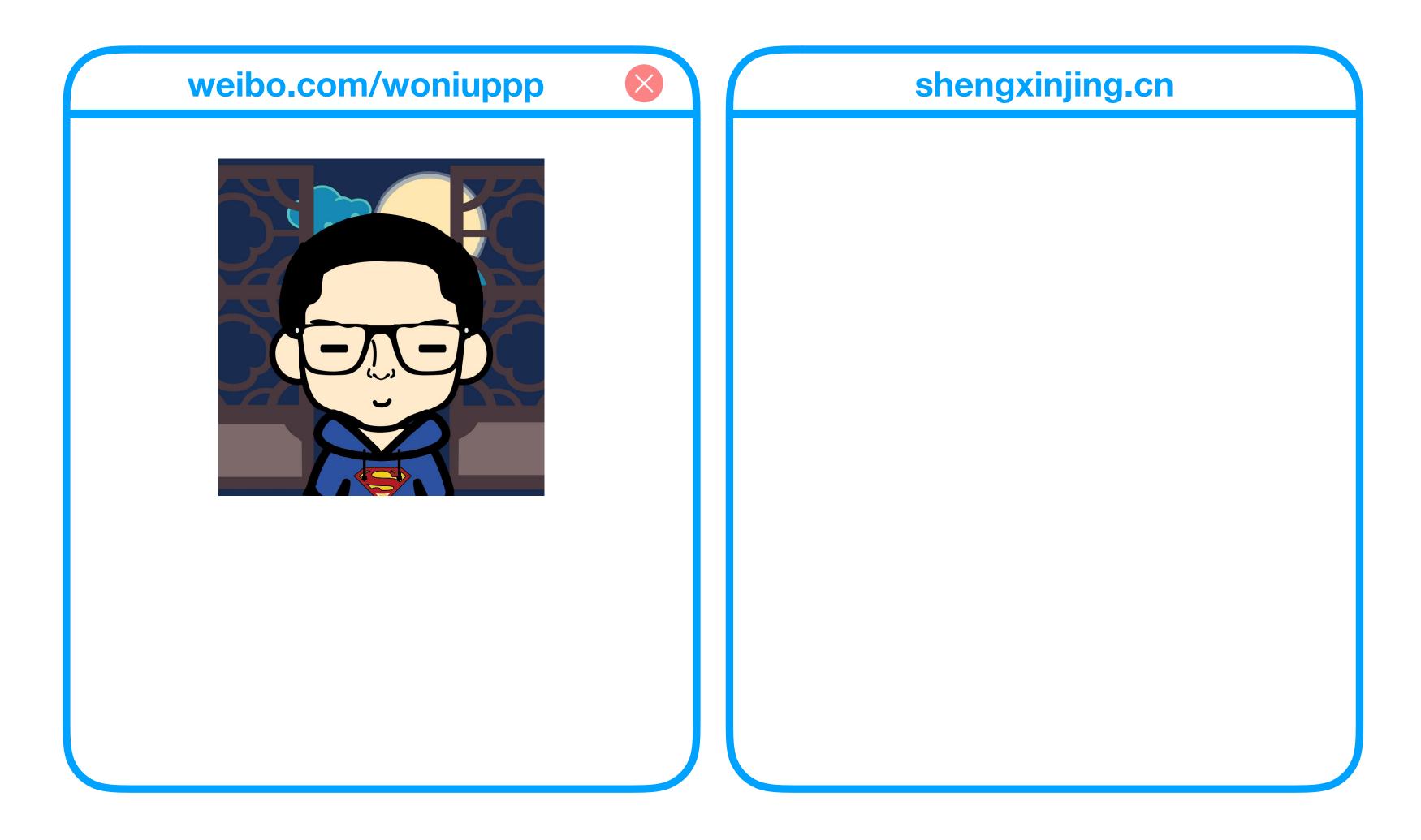


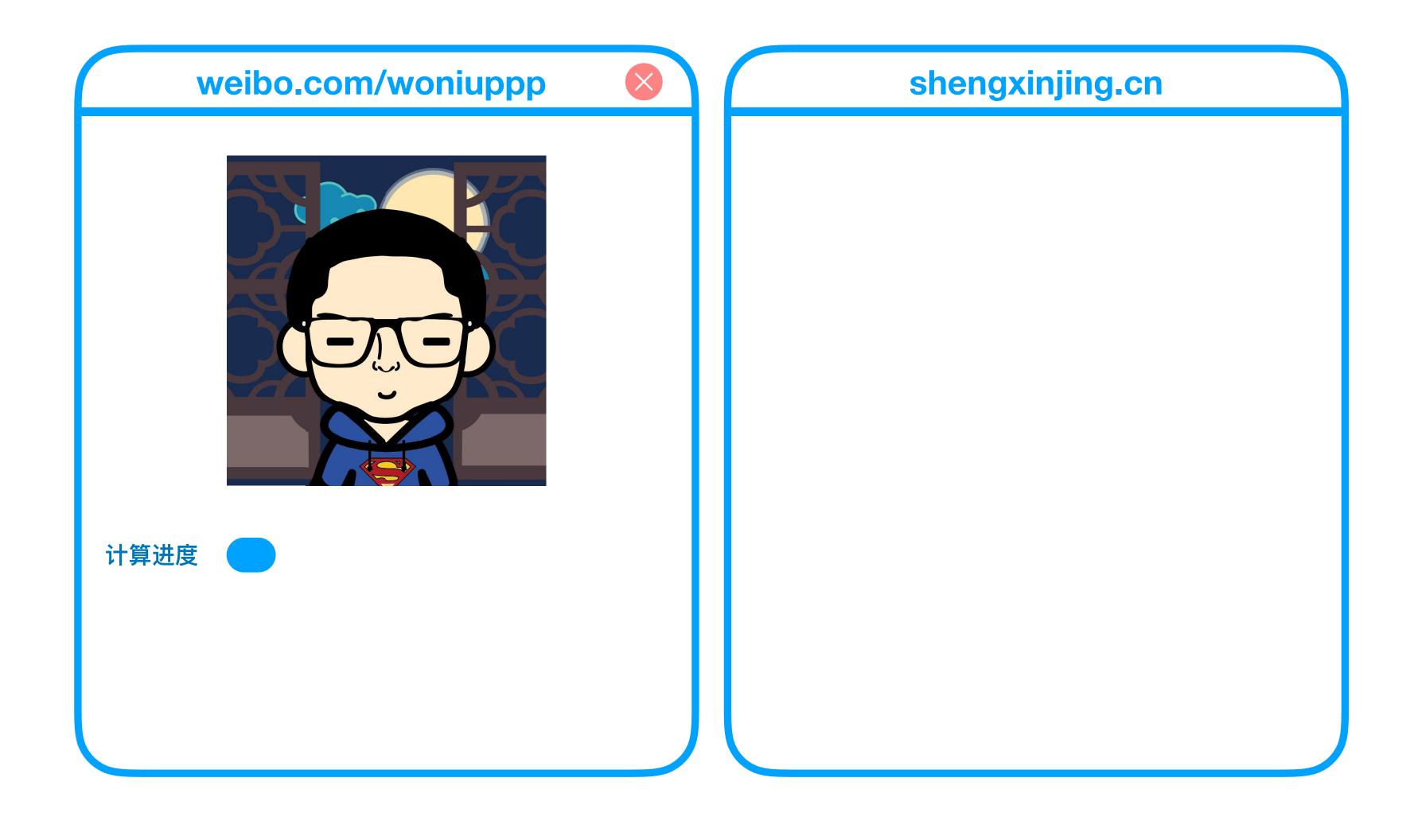
浏览器



web-worker计算md5





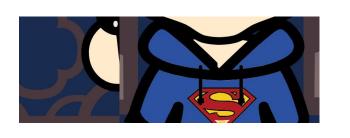




影分身Web-worker







影分身Web-worker







影分身Web-worker

weibo.com/woniuppp



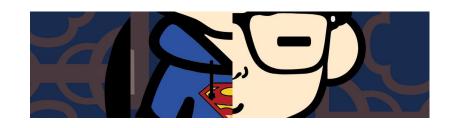


计算进度

0fc557c722689bfac5a2a8be85e51240

文件MD5(指纹)

shengxinjing.cn

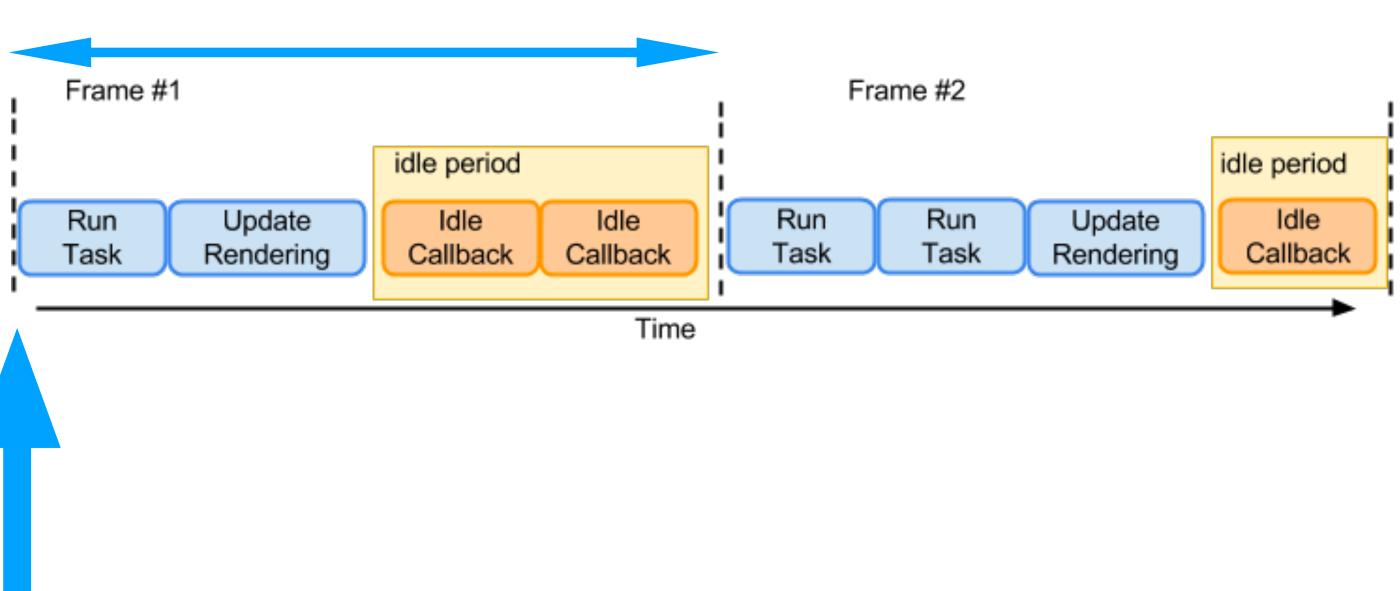


影分身Web-worker

时间切片计算md5

了解一下浏览器渲染机制

1帧(16ms) 1帧

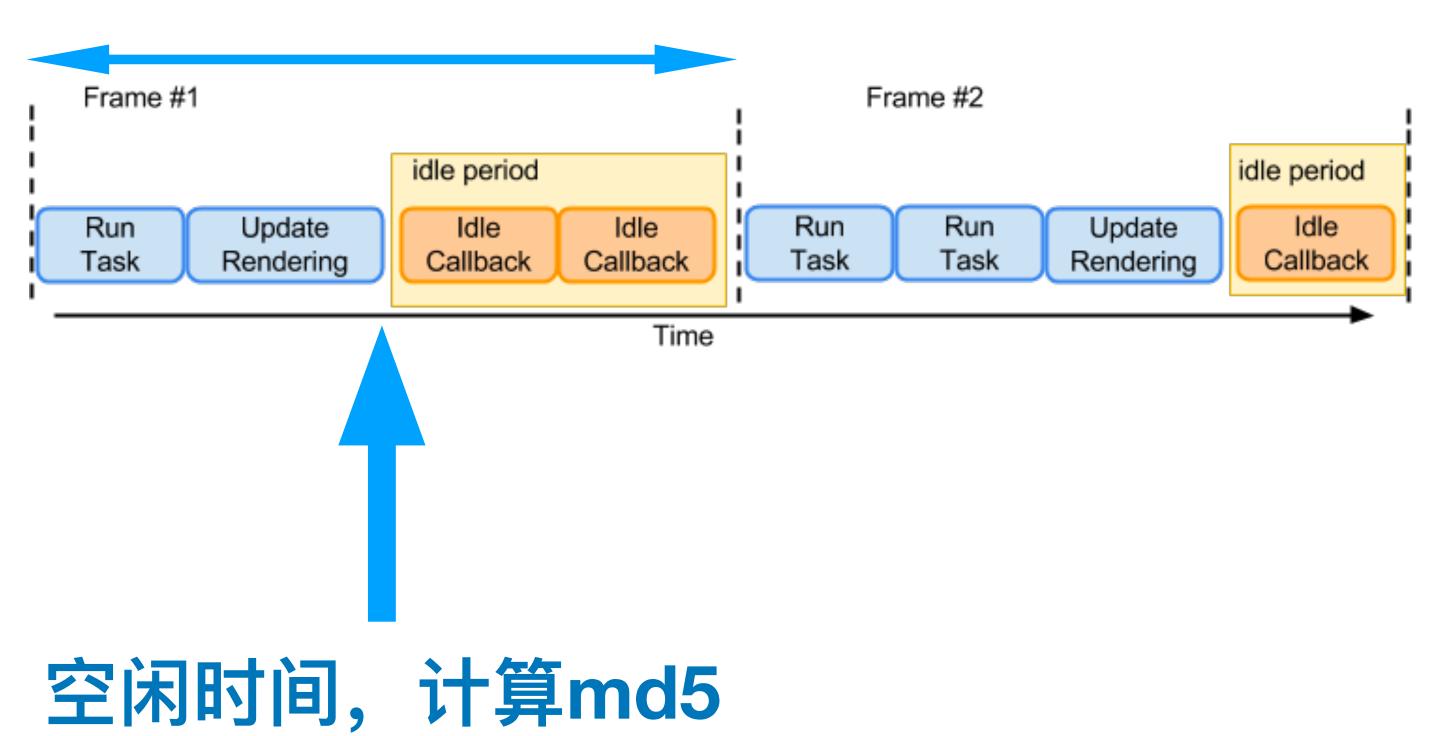


开始渲染

1帧(16ms) 1帧 Frame #1 Frame #2 idle period idle period Update Run Run Update Idle Idle Idle Run Rendering Task Task Rendering Callback Callback Callback Task Time

开始更新UI

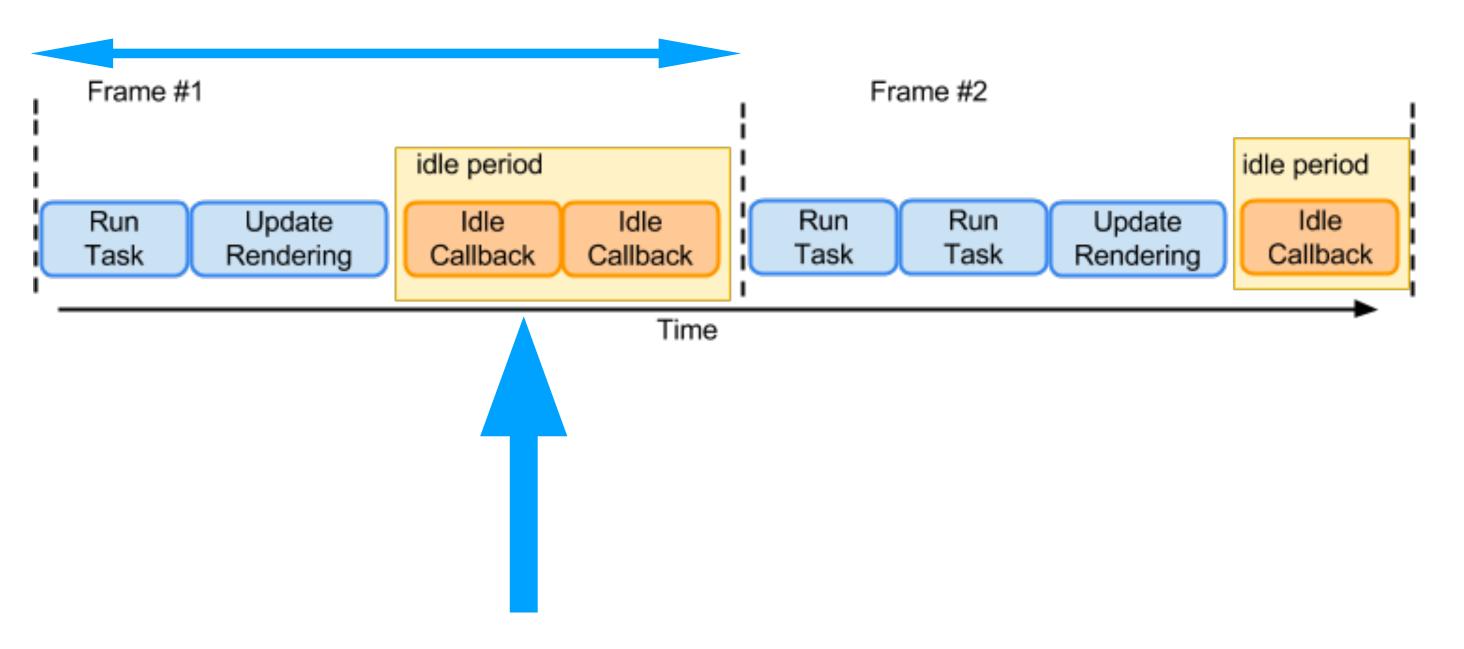
1帧(16ms)



1帧

1帧(16ms)

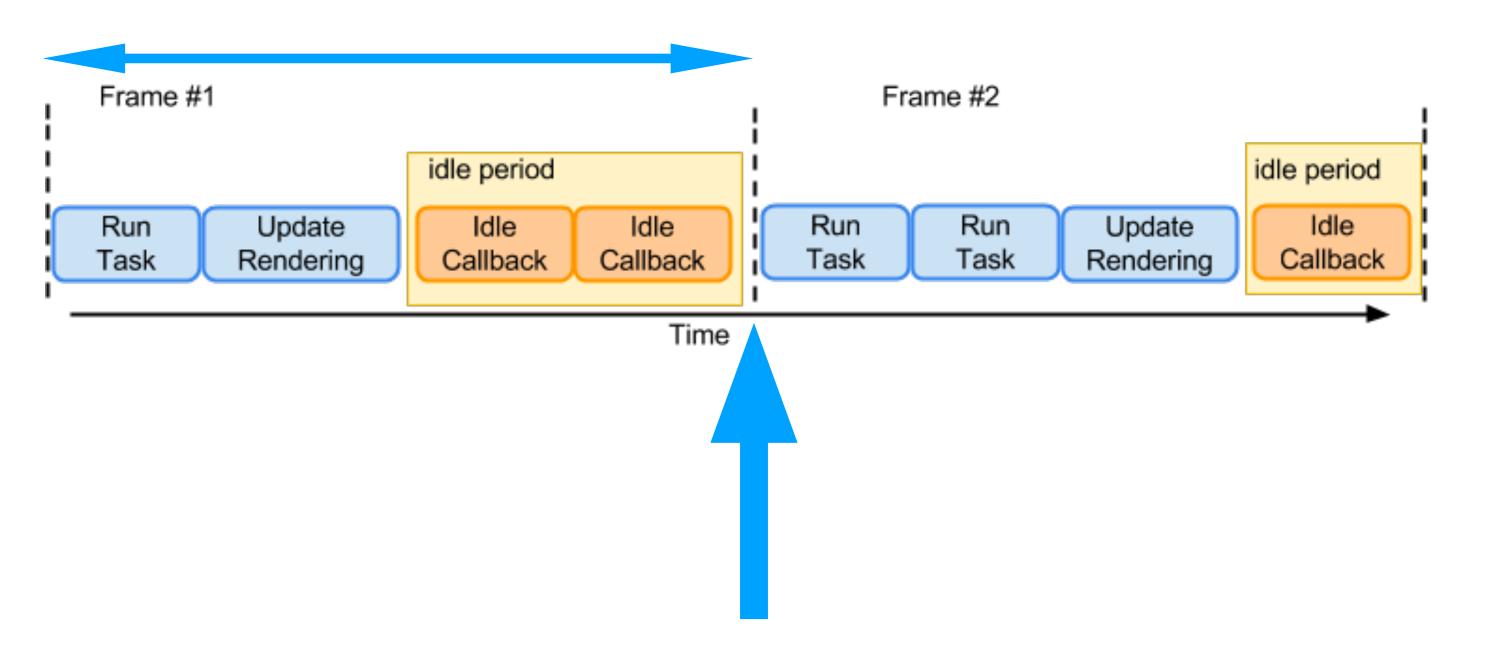
1帧



还有空闲时间,继续计算

1帧(16ms)

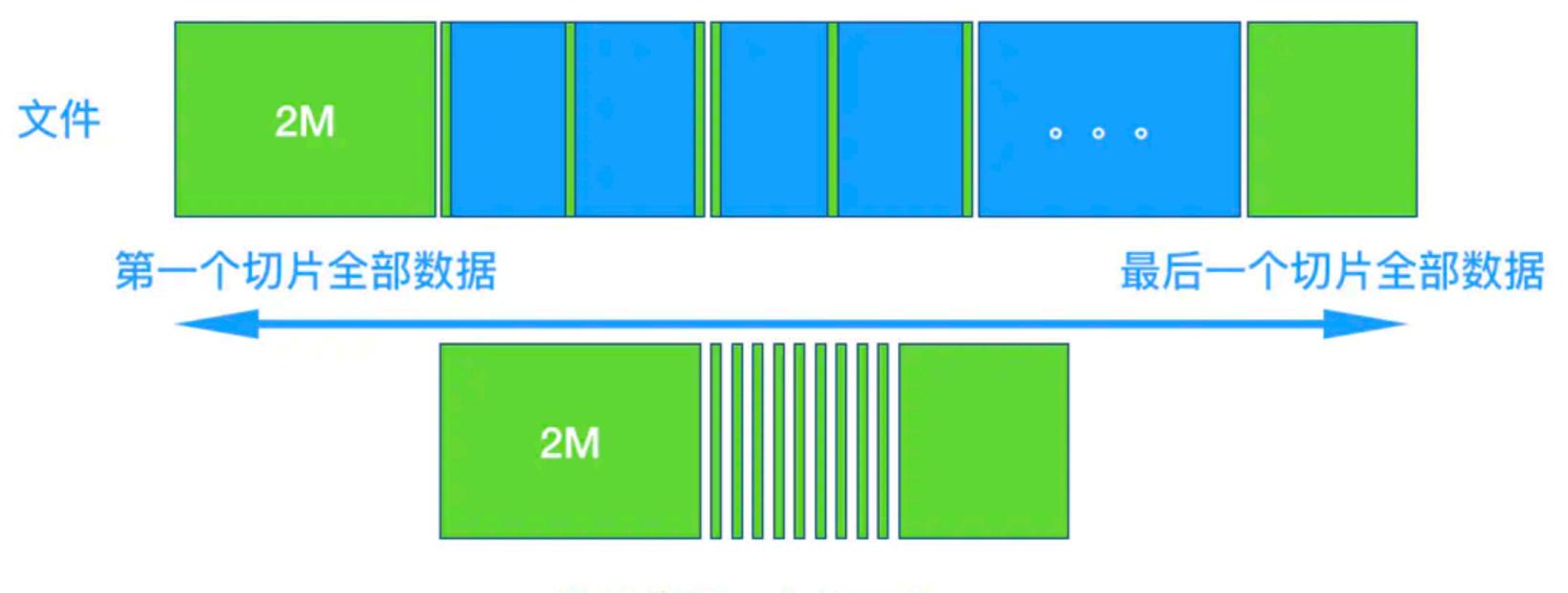
1帧



空闲结束,开始渲染 计算md5任务暂停

抽样哈希

中间切片首,中,尾取样



抽样数据,合并再做md5

并发数控制+错误重试

这个本身就是一个头条面试题

慢启动

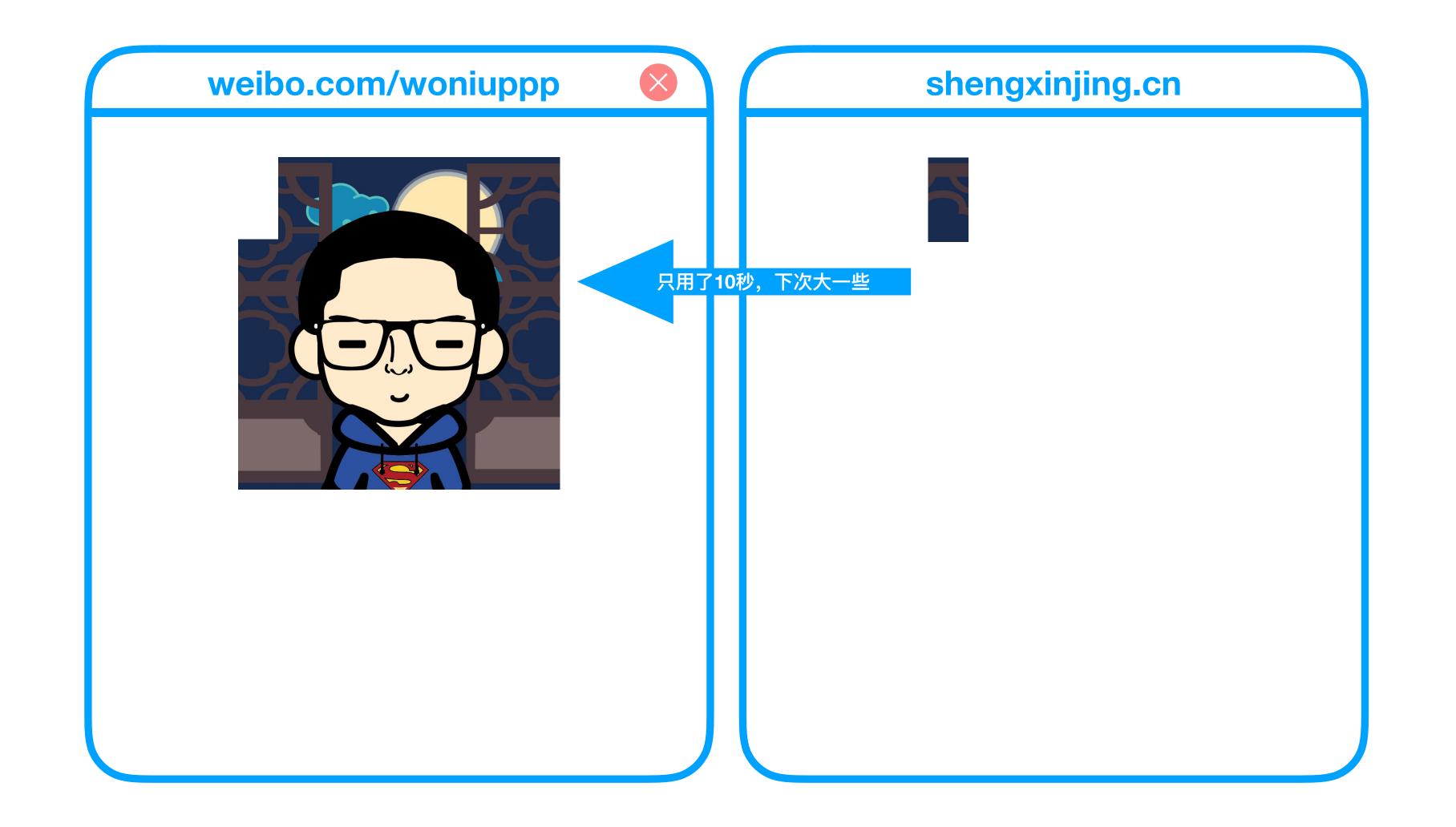
借鉴TCP策略

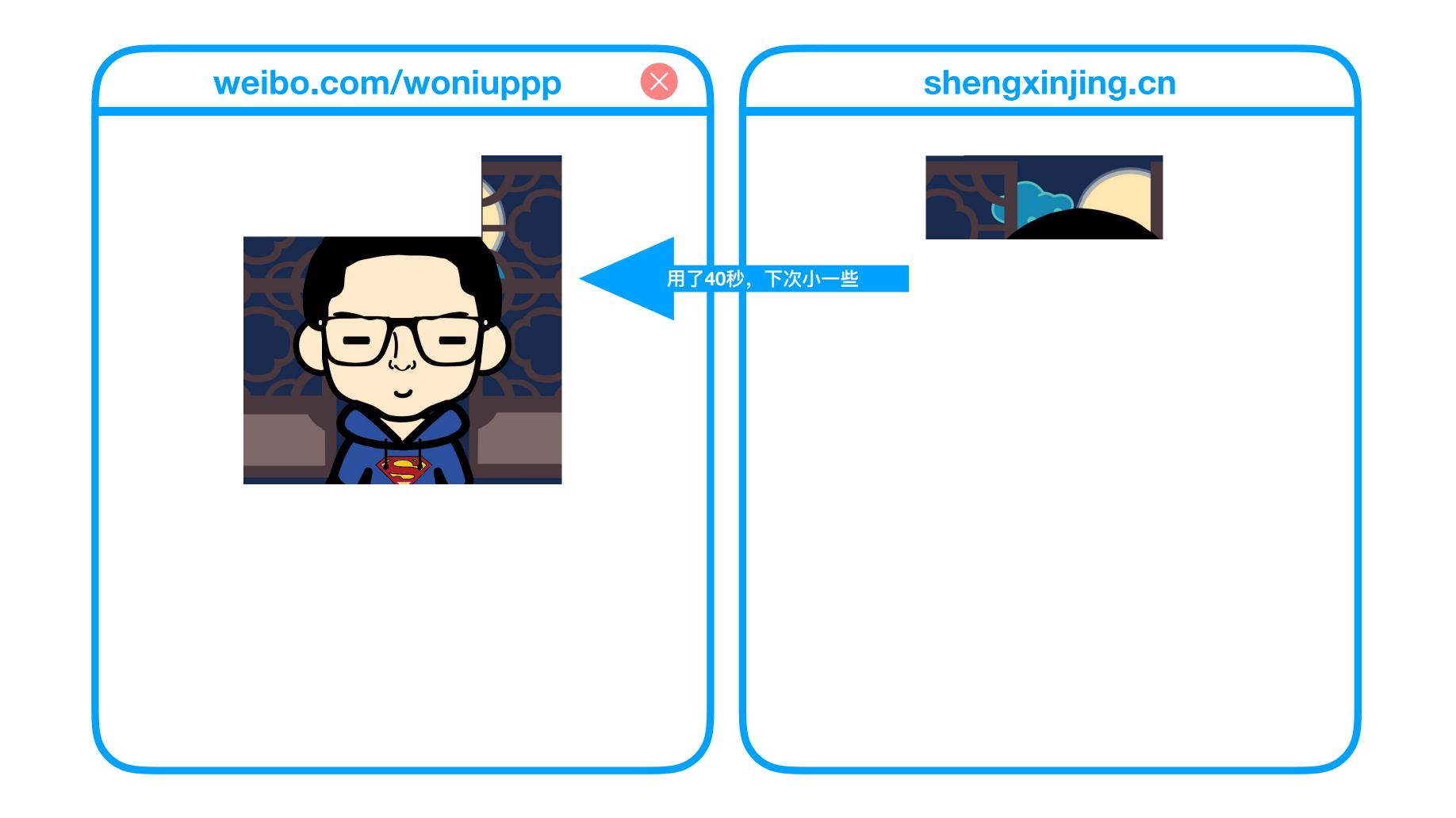
weibo.com/woniuppp





shengxinjing.cn





weibo.com/woniuppp





shengxinjing.cn



思考

- 碎片清理
- 文件碎片存储在多个机器上
- 文件碎片备份
- 兼容性更好的requestIdleCallback
- 并发+慢启动
- 抽样hash+全量hash双重判断
- websocket推送
- cdn...

台结