

功能需求

1. 图片可视化

2. 上传/修改reports, 包括:

- 照片
- 文字介绍
- 作者姓名 (string)
- 发表日期

Don Valley Mission by Joanna Smith on 03.04.2022



We checked the Don Valley stadium looking for signs of any wrongdoing related to mission XYX. The report details the finding and the suggested actions.

Mick Jagger Concert by Mark Twain on 03.08.1967



The singer was rumoured to be making use of drug type A and therefore we investigate thoroughly. We went to six gigs and we had a lot of fun but found nothing

所有用户可以看到已发表reports 数据保存在MongoDB 可以按作者姓名或上传日期排列

3. 聊天功能

- 点击图片进入聊天室
- 一个人在聊天室: **注释**
 - notes可以用鼠标画
 - 聊天文本和手绘元素都被视为注释
 -

- 大于一人：聊天 & 注释

Mick Jagger Concert by Mark Twain on 03.08.1967



Toby joined room R4512

The singer was rumoured to be making use of drugs of type A. We investigate thoroughly. We went to six gigs and we had a lot of fun but found nothing

Discussion

Toby joined room R4512

Me: we were particularly worried by the beady eye

Toby: and by the suspicious looking of the sigarette

chat:

Send

4. 不需要注册登录

技术需求

数据传输

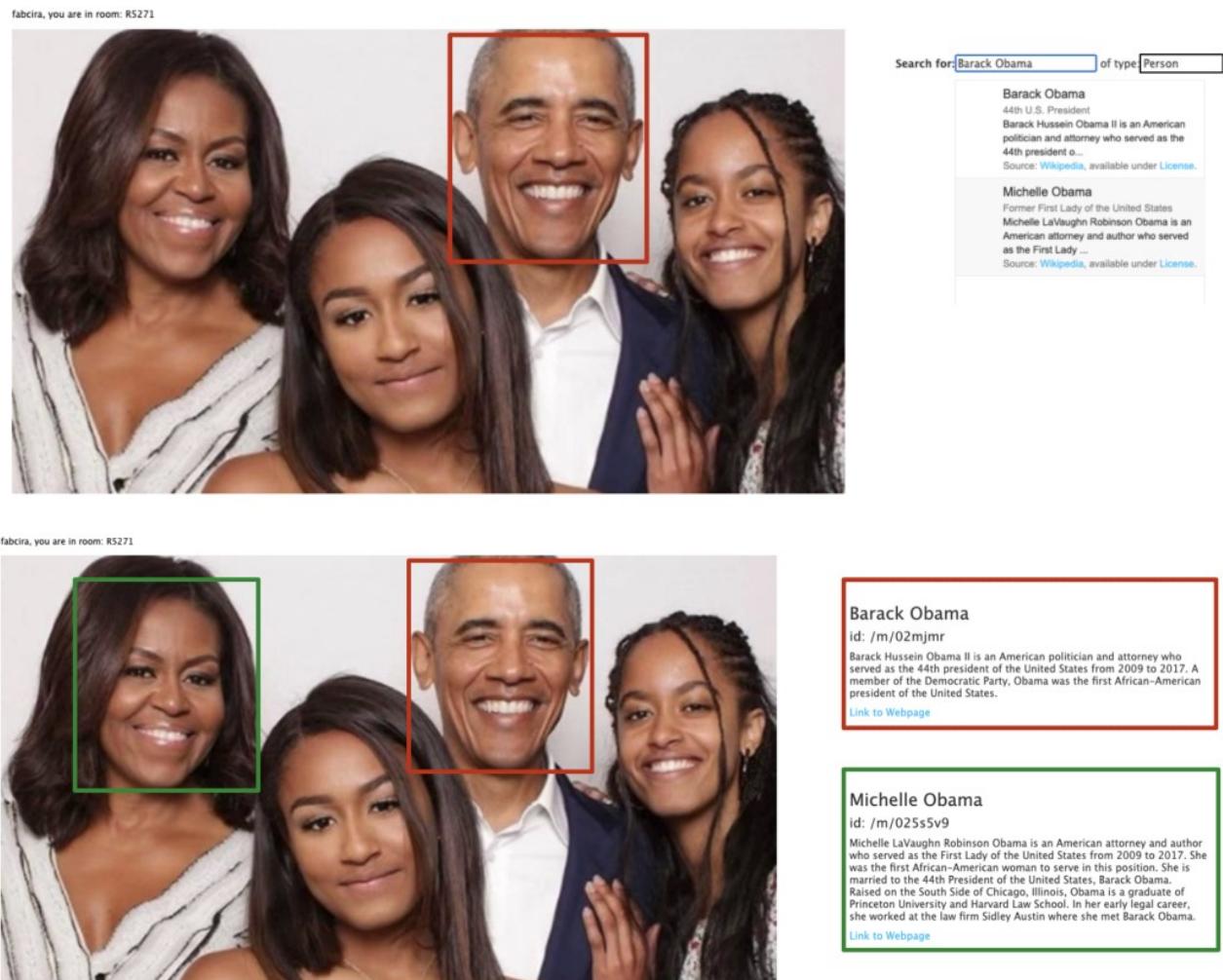
- reports描述和作者信息在数据库关联
- 所有reports信息可作为一个表单传递，照片可以使HTML5格式或WebRTC
- 所有reports信息使用Axios发送到数据库
- 数据（如标题、图片、描述和作者）必须使用JSON进行交换
- 图像在MongoDB存储为64进制
- 图像可以从文件系统上传，也可以使用URL进行引用

缓存

- 注释存在缓存IndexDB中，不发送到服务器
- 中途加入聊天，只能看到加入后创建的注释
- 上传新的report时如果未联网，数据一起缓存到IndexDB中，直到联网时，通过Axios上传到服务器的数据库

服务器

- 服务器必须使用NodeJS + Express实现，并且必须支持聊天系统和MongoDb连接
- 允许用户使用从谷歌识图中检索到的信息对图像进行注释[不懂，没学吧]



文档 [week6]

- 服务器文档必须通过Swagger提供
- 客户端JavaScript文档必须以类似Javadoc的风格提供

小组、分工和相关文件

The 3 team members should share the development equally. I expect (i.e. require) the following parts to be developed by the following team members:

- Member 1: socket.io, nodeJS server, the chat/annotation interface
- Member 2: service worker, MongoDB
- Member 3: IndexedDb, Axios communication, Swagger documentation

Deadlines

- 第9周星期一 12:00:00, 第1部分\

- 第12周星期五23:59:59完成整个作业