

## Part 0. Refined Problem Statement

How might we help young couples preparing a DIY pre-wedding/honeymoon/anniversary photography in Shanghai (who) to take the photos as they like and constantly get inspired from sharing photos and communicating with others (what) so that they can get unique photos and memories as well and have fun in the whole process (why).

## Part 1. Functional & Information requirements

Find the photoshoot location	Find the suitable dress	Find the possible photographer	Other tips
<ul style="list-style-type: none"><li>• Location information: appearance, specific location, open hour, nearby subway station, nearby parking lot, (possibly) examples of photos taken by other couples at this place</li><li>• Visualization: a map showing specific locations of different types of possible locations</li></ul>	<ul style="list-style-type: none"><li>• dress rental store information: shop name, specific location, fees, rating, contact information, sample pictures of the dress</li></ul>	<ul style="list-style-type: none"><li>• photographer information: name, fees, available time, work sample</li></ul>	<ul style="list-style-type: none"><li>• weather</li><li>• sunrise / sunset time</li><li>• guidance, tips, and checklist</li></ul>

## Part2. Data Research

### 2.1 Location information

#### ● Type1: 个性限定款 Guest houses on Airbnb

Platforms like Airbnb and Xiaozhu provide all kinds of unique homes with different design styles for rental. Many of them are perfect photoshoot locations for intimate couple pictures. I plan to scrape Airbnb website for the house name, location, price, rating, and appearance picture, and also take Xiaozhu as a back up.

The screenshot shows the Airbnb search interface for '上海'. The search bar contains '上海'. Below it are several filter buttons: 日期 (Date), 人数 (People), 可免费取消 (Free cancellation), 房源类型 (Property type), 价格 (Price), 位置区域 (Location area), 爱彼迎Plus (Airbnb Plus), 闪订 (Instant booking), and 更多筛选条件 (More filtering conditions). A note at the bottom says: '新冠肺炎疫情防控提示 请您关注目的地风险等级和防控政策, 留意预订房源的取消政策, 合理安排出行, 做好自我防护。' The main result is a listing for a studio apartment, featuring a large image of a room with a bed and a large mirror, a detailed description, a rating of 4.9, 109 reviews, and a price of ¥318 per night.

- Type2: 复古老上海 Historical buildings
- Type3: 自然田园风 Parks
- Type4: 摩登艺术派 Art museums

These three kinds of information can be found on Shanghai Open Data Platform. It contains address, open hours, ticket fees and contact information. Unfortunately, the location information is not geospatial data, so I plan to use Baidu Map API to transfer the address into latitude and longitude information so that it can be shown on a map.

[首页](#)[数据资源](#)[数据概览 ▾](#)[地图服务](#)[典型应用](#)

首页 / 数据资源 / **数据产品详情**



## 上海市美术馆名录

**摘要**

名称、地址、开放时间、联系电话、门票

**应用场景**

其他

**数据标签**[旅游](#)[景区](#)[消费](#)[SODA2021](#)**关键字**

名称、地址、开放时间、联系电话、门票



## 优秀历史建筑信息

收藏

**摘要**

本次数据产品为（优秀历史建筑信息：原名称、现名称、地址、保护批次）。



## 绿化市容公园绿地

收藏

**摘要**

本市公园绿地名录，包括公园详细介绍、交通和开放时间信息及照片

## 2.2 Dress rental store information

Dianping.com has most of the dress rental store information in Shanghai. I plan to scrape this website for shop name, specific location, fees, rating, contact information, sample pictures of the dress.

The screenshot shows a search results page on Dianping for 'wedding dresses' in Shanghai. The top navigation bar includes a logo for '大众点评 · 结婚', a search bar, and buttons for '频道搜索' and '全站搜索'. Below the search bar, there are filters for '全部结婚分类' (All Wedding Categories) and '婚尚资讯' (Wedding Information). The main content area shows a listing for 'GRACE KELLY婚纱与礼服(上海店)' (GRACE KELLY Wedding & Formal Wear (Shanghai Store)). The listing includes a photo of a woman in a pink gown, the store's name, its status as a 'HOT' spot, its location at '中山公园/江苏路', a price range of '人均 ¥13672', and a rating of 5 stars from 2029 reviews. There are also buttons for '预约领取免费试纱名额' (Book a free trial gown appointment) and '广告' (Advertisement). The bottom section shows a larger image of the same store listing with a red box highlighting the phone number '4000268920-0343'.

## 2.3 Photographer information

Some of the young couples are not confident in using a tripod and still need a photographer. According to the previous investigation, they are more likely to hire a freelance photographer who can offer a flexible charge to meet their budgets. Such information can be found on Douban platform with a tag "photography". I plan to scrape this website for the photographers' name, fees, available time.

## 上海近期摄影活动

类型: 全部 音乐 戏剧 讲座 聚会 电影 展览 运动 公益 旅行 赛事 课程 亲子 其他

全部 生活 集市 摄影 外语 桌游 夜店 交友 美食 派对

时间: 全部 今天 明天 周末 最近一周 选择日期 最新发布

全部地区 ▾



【上海摄影约拍】和行走过二十五个国家的摄影师约拍一套影像集吧

上海摄影写真约拍 上海摄影师 上海杭州婚纱照 南京苏州广州厦门重庆摄影写真旅拍约拍

时间: 2021年08月20日 ~ 2021年11月18日 每天 00:00 - 23:30

地点: 静安区 上海

费用: 1元(费用请咨询)

发起: 摄影师法淦

4人参加 | 8人感兴趣

### 2.4 Other tips

- Weather:

Weather API on <https://openweathermap.org> can be used to forecast the weather condition in Shanghai.

- Sunrise / sunset time

Sunset and sunrise times API is provided on <https://sunrise-sunset.org/>, so I can use it to show the sunset and sunrise time in shanghai for users' reference.

- checklist for the photoshooting plan

- checklist on the photoshooting day

- tips of DIY couple portraits

Now there is no systematic information in this area can be directly used.

### **Part3. Non-existing data**

The missing part of information is mainly the unstandardized content like guidance and tips, including but not limited to checklist for the photoshooting plan, checklist on the photoshooting day, tips of DIY couple portraits.

Actually this part can be designed for UGC so that people can get inspired from others' work and communicate with each other. But before that I should do some editing work to generate the basic content that is necessary for users in this part.

Here are articles in the writing plan:

- How to plan a DIY pre-wedding photoshoot?
- Checklist on the photoshooting day
- Tips of DIY couple portraits
- Candid photography tips for beginner
- Tricks and tips for using a tripod