

1.Functional and information requirements:

1.navigation bar

Information: search engine, places introduction, scripts introduction, virtual community, groups, contact us.

2.forming groups

1.1 While users are forming groups, they should explain their expectations of the team members, such as sex, age, whether they are experienced or not, etc, which can better match the expected team members.

1.2 While people are waiting for the enough people to join in the game, their will be a conspicuous place so that users and owners both can see the time left and the current available position.

1.3 While finding the members, there will be a signal sent to the community to appeal more participants in the neighborhood to join the groups.

1.4 To solve the problems of some emergent forming requirements, such as forming groups at 11pm, owners always said that it is very difficult to form a group at such a time. At some specific time, users will get a 20%off sale for the price to form the group.

3. places introductions

2.1 Script kill room in Hong kong

2.2 average cost

2.3 scores

2.4 pictures

2.5 comments

2.6 scripts information

4.search function

3.1search places by name

3.2 search places by location

3.3 search places by theme

3.4 search places by scripts

5. virtual community

5.1 communication space

5.2 social network

5.3 popular blogger charts

2. Conduct data research to identify potential sources of data for addressing the persona's information requirements in getting their job done.

Merchants requirements:

1.promotion on the places

Try to scrape more comprehensive information about each place, such as beautiful decorations, comprehensive and attracting scripts even some special features, such as pets. Build a popular play room charts and try to compare these rooms in different dimension, then users can choose to play in their favorite one.

2.appealing more people to play

Try to create a virtual community including a lot of users who are addictive to playing

script kill games. Then merchants can keep a frequent communication with these users, which means they can clearly understand who are the users they are searching for, they can provide the relative service.

3. initiate more games.

Try to build a platform easier to form a group. Try to know the people who are willing to play games at midnight in relatively lower price, therefore merchants can hold more games to get revenue.

Players requirements:

1. accurate information on places

Try to obtain more accurate and updated information about each places, such as locations, indoor decorations, previous comments and average cost.

2. nice game experience

Build a platform for users to claim their preferences while choosing the team members, such as sex, age, personality, whether experienced or not.

3. social connection with new friends.

To obtain some information on popular script games players, and try to build a platform for them to communicate with each other.

3. as it is shown in the jupyter notebook

4. Shortcomings include: missing information, fragmented information, inconsistent information, outdated information, and erroneous information.

In the information shown in Meituan or Dianping, there is not any information for script killing game in Hong Kong. However, when I searched on Baidu map, only one place meets my requirements. But as I know from the social media, there is more than 4 places in Hong Kong, there is some missing information.

In each kind of platform, the information provided is not comprehensive. For example, the information shown in Baidu Map did not mention any comments and scores. What's more, the information shown in Meituan did not contain any comments, either. So the most urgent thing is that I should update all the current situation in Hong Kong based on facts, and try to provide a platform that contained the newest and reliable information.

5. Identify and perform data cleaning and data preparation (e.g. type conversion) if necessary to meet information requirements.

When I first scraped the data from douban, there are a lot of blanks, so I use the strip() function to make it looks prettier.

6. Describe strategy to obtain non-existing data to complete information requirements.

1. Input information manually

Obtain some information on social media, such as others' comments, decoration pictures. Try to obtain some geographical information on maps. Ask for merchants for

its place' features and other non-existing data.

2.Ask merchants for help

Ask for merchants for its place' features and other detailed information.

3.Refer to some relevant platforms

重新采访剧本杀店家的采访记录

男 23 岁 剧本杀店老板

假期人最多 放假生意最好

年轻人 二三十岁

熟人推荐 微信群

大众点评美团上有上线 搜索到的比较少

最喜欢的玩的是游手好闲的 衣食无忧 真正热爱玩剧本杀的人 对剧本杀很感兴趣

微信群里拼人 但经常出现人数不够的情况 (一般店家解决)

玩游戏的目的: 社交和休闲娱乐

差不多覆盖基本需求

找来更多愿意玩的顾客

同样的本在同样的平台 会形成恶性竞争 无法吸引别人来你的店

最大的问题就是组局 人数要求不够 时间问题