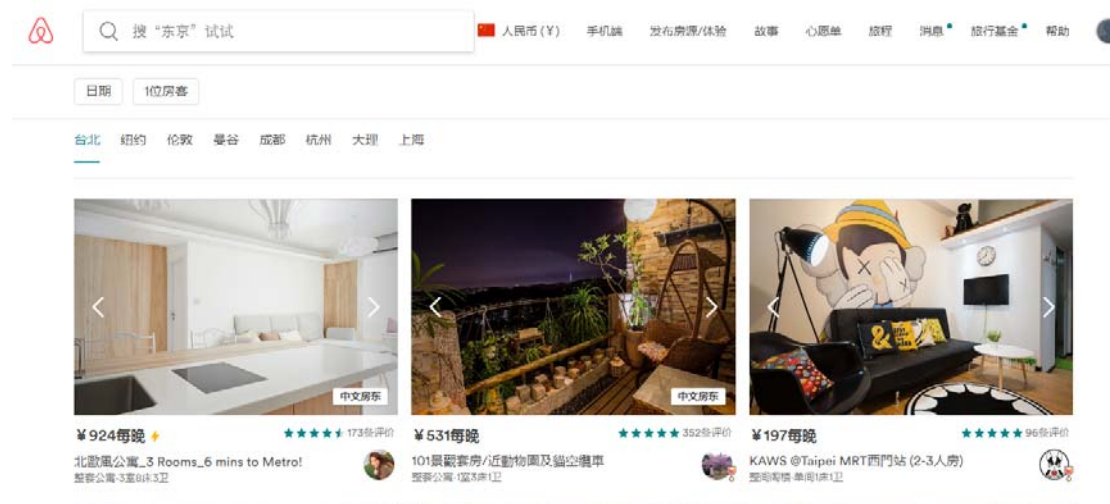# Application domain for the assignment
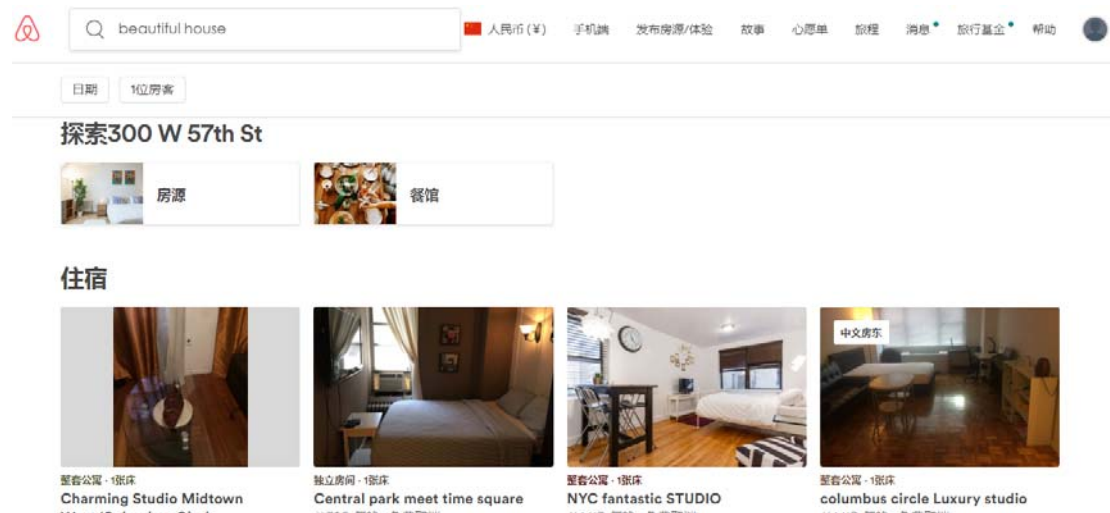
The problem domain for the assignment is a web application for short term rentals. The application is called "Short Term Rental". The scope of "**Short Term Rental**" application is determined from the functionality available in an existing system by **Airbnb**, a famous service website for short term renting. You can look at https://zh.airbnb.com/?logo=1 for details. Following I will show you some screen shots taken from the website. The screen shots are annotated to define functional requirements an constraints for "Short Term Rental".

Screenshot 1 demonstrates that "Short Term Rental" is part of the large web-based solution. From the viewpoint of "Short Term Rental" these should be treated as external functions with no dependencies to "Short Term Rental". Screenshot 1 demonstrates also that the online traveler/customer is asked to type in the destination city, select the check in and check out date and specify the number of people. Then request will be sent to system to find available houses for you.
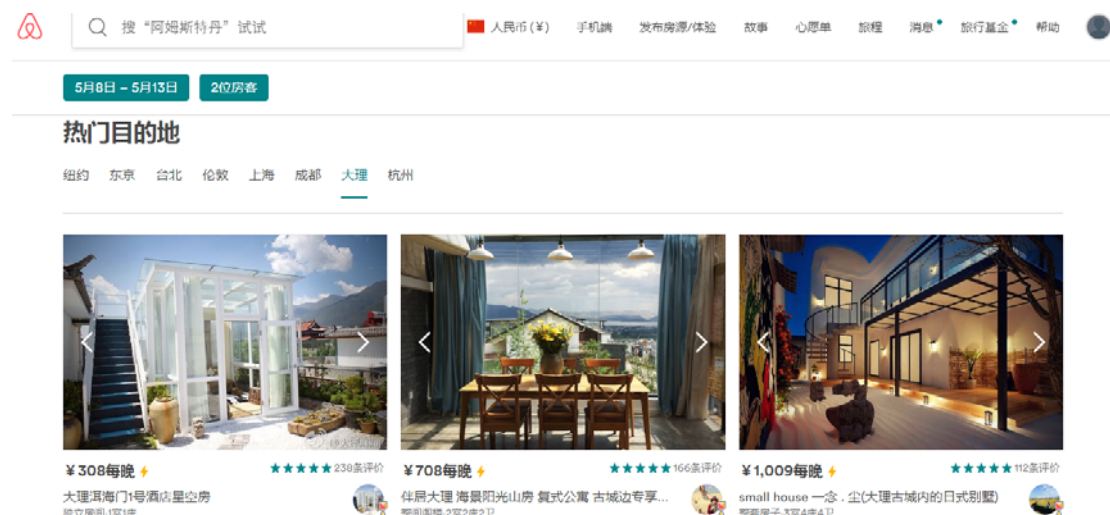
You can also search houses by the search bar. Type in the key words about your ideal house and click the button, then the system will automatically find the highest matching houses for you, as shown in *Screenshot 2*.

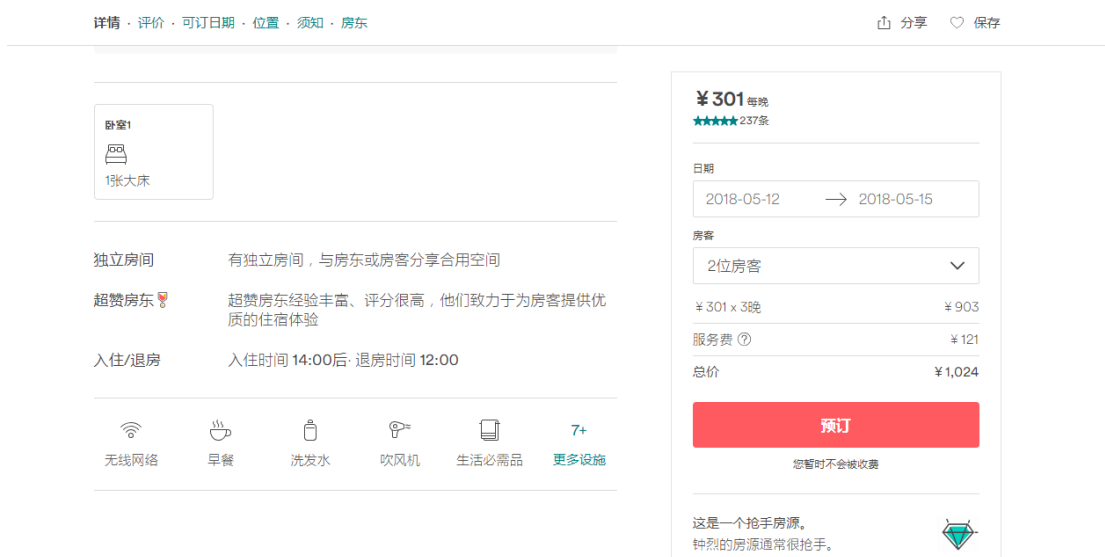Screenshot 1

Screenshot 2

Screenshot 3

Screenshot 3 shows a web page resulting from a successful search. The page shows:
- The original search criteria.
- Search bar by which you can search again.
- The house list that result from your search.

Screenshot 4 shows the web page resulting from selecting a house in Screenshot 3. The page shows you the details of the house, pictures, house descriptions, location, and the contact information of the landlord. You can see the review of this house from the roomer came before. The page also informs the customer about the room availability and allows the customer to modify the check in and out date. The number of people for the house can also be specified again.

Screenshot 4

Screenshot 5

After you specified your information. The page will show you the total cost of your reservation, as shown in Screenshot 5.

If the reservation is possible to be made. The next stage you need to confirm your personal information, just as shown in Screenshot 6 and Screenshot 7.

Screenshot 6

Screenshot 7

After click the continue button, and you will enter the payment page, as shown in *Screenshot 8* and *Screenshot 9*. It presents the customer with the selection of payment method.

确认并支付

结算国家/地区

中国

付款方式：

支付宝

兑换优惠券

退订政策：严格

距离入住日期至少7天时取消预订可获50%退款（服务费除外）。距离入住日期不足7天时取消预订将不予退款。尚未入住、且在预订确认后48小时内取消的预订，将退还服务费。

您将会被重定向到支付宝来完成付款。**您必须完成该程序，否则交易无法进行。**

1位房客

2018年5月12日 → 2018年5月15日

$47.17 x 3晚 $141.51

服务费 ⑦ $18.57

总价 (USD) **$160.08**

价格包含汇率

舟
曾在2018年5月入住

精选评价

"房间真的超美，就是在四楼顶层爬楼梯有点累emmm...独立一间在露台风景真的超好，露台还有很多喵咪，喜欢！出行也很方便..."
查看更多

Screenshot 8

兑换优惠券

退订政策：严格

距离入住日期至少7天时取消预订可获50%退款（服务费除外）。距离入住日期不足7天时取消预订将不予退款。尚未入住、且在预订确认后48小时内取消的预订，将退还服务费。

您将会被重定向到支付宝来完成付款。**您必须完成该程序，否则交易无法进行。**

我同意房屋守则、退订政策及房客退款政策。我还同意支付所显示的总金额（含服务费）。

确认并支付

舟
曾在2018年5月入住

精选评价

"房间真的超美，就是在四楼顶层爬楼梯有点累emmm...独立一间在露台风景真的超好，露台还有很多喵咪，喜欢！出行也很方便..."
查看更多

Screenshot 9