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| **Goals** | |
| **Customers** | 1. Customers will receive a QR code and a number. |
|  | 1. Customers need to sign up the booking system. |
| 1. Customers need to log in the booking system. |
| 1. Customers will received a number after log in the system. |
| 1. Customers need to be more accurate in telling store managers the time of arrival of customers and the list of purchased goods. |
| 1. Customers need to make an appointment to arrive at the store, and the store manager will ask the customer for the number, as well as the expected duration of the visit and the expected time to arrive at the store. |
| 1. Customers specify the categories of goods they intend to buy. |
| 1. If there is no number of customers, they can be replaced by tickets. There are relatively few customers who can't make an appointment in advance with the number. |
| **Store Manger** | 1. Store manager need to log in the booking system. |
|  | 1. The store manager should determine the number of customers currently staying in the store. |
| 1. The store manager needs to verify the number and check the customer's QR code. |
| 1. Store manager need to set the maximum number of customer staying in the store. |
| 1. If the customer does not have a QR code and only has tickets, the store administrator should check the customer's ticket. |
| 1. Store managers need to manage the order in which customers enter the store outside the store. |
| **Domain Assumption** | 1. Retrieved numbers and QR codes are unique. |
|  | 1. Each number can only represent one customer. |
|  | 1. Each QR code can only represent one number. |
|  | 1. The number of online booking places should be less than the total number of places (newly added) that can be queued on the same day. |
|  | 1. If the number detected by the QR scanner is less than the current number of customers, the customer can be denied access to the store. |
|  | 1. Customers could retrieve only one number simultaneously. |
| **Requirement** | 1. The booking system should be very simple to use. |
|  | 1. Control the arrival time of customers and the distance of customers queuing. |