

SMART PARKING

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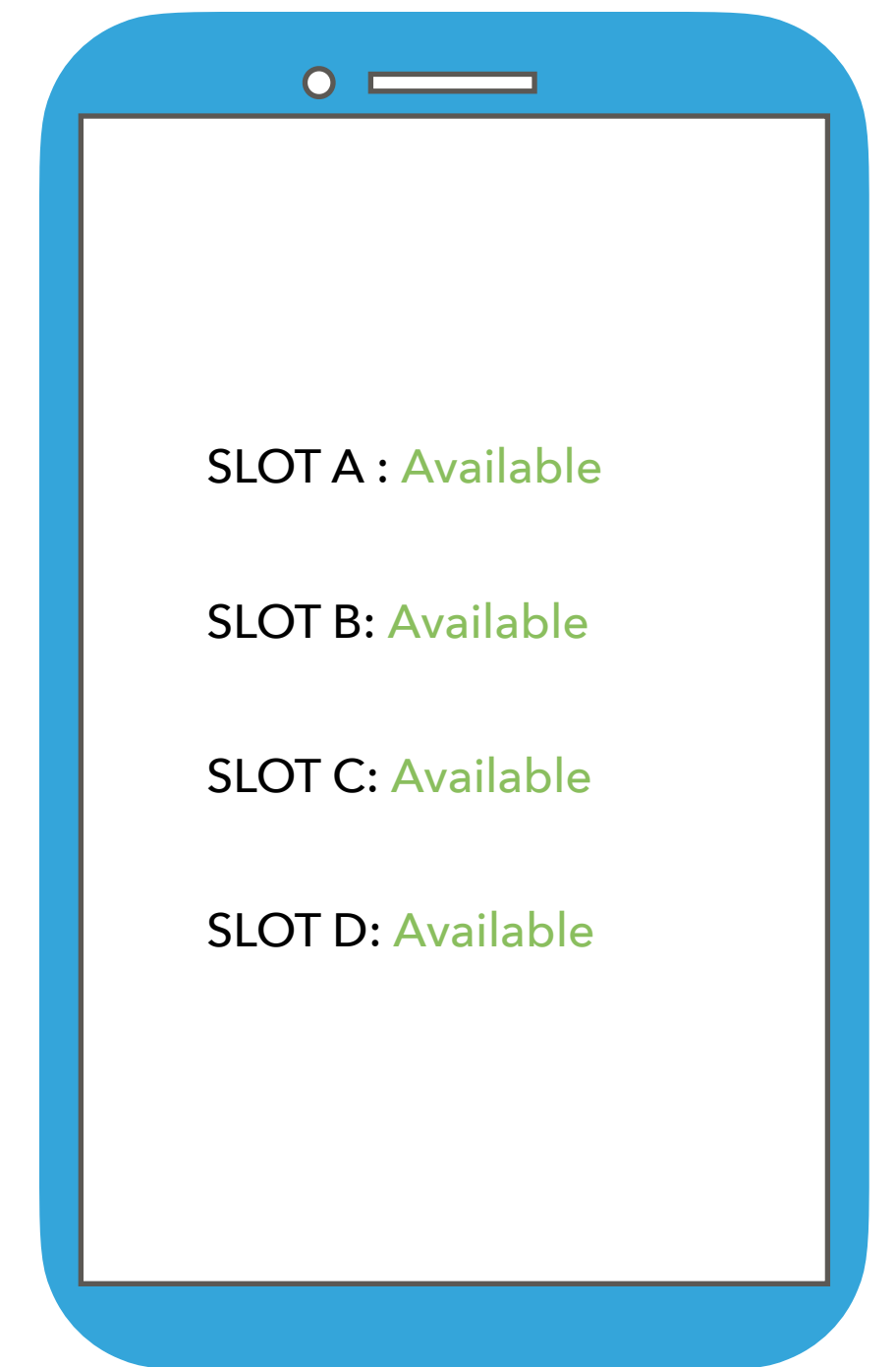
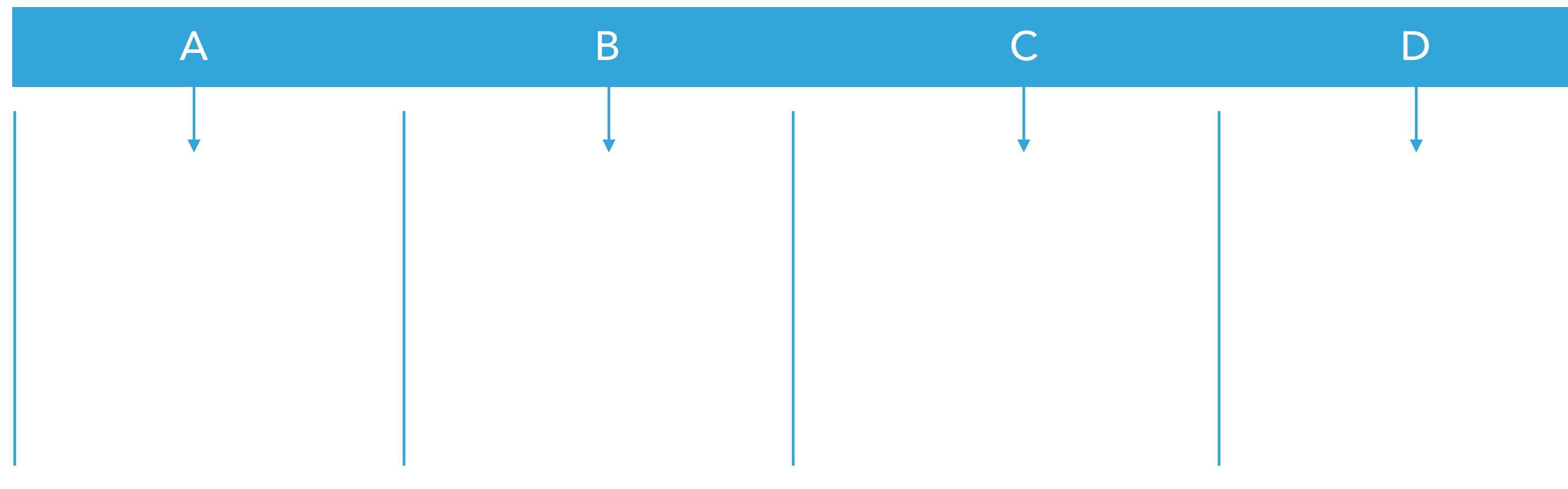
ISSUES WITH CURRENT SYSTEM

- ▶ No information about availability at entrance of parking lot
- ▶ Parking counters don't exactly specify **where** slots are available
- ▶ Light Indicators don't fully resolve the problem
- ▶ Absence of autonomous billing

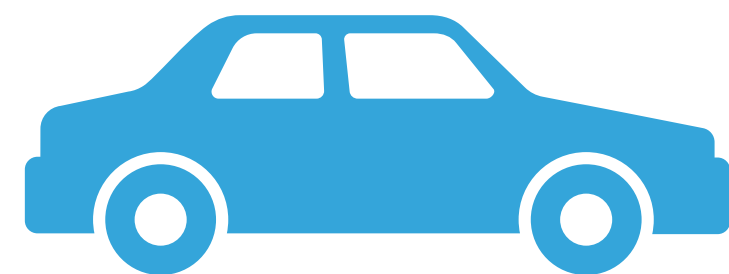
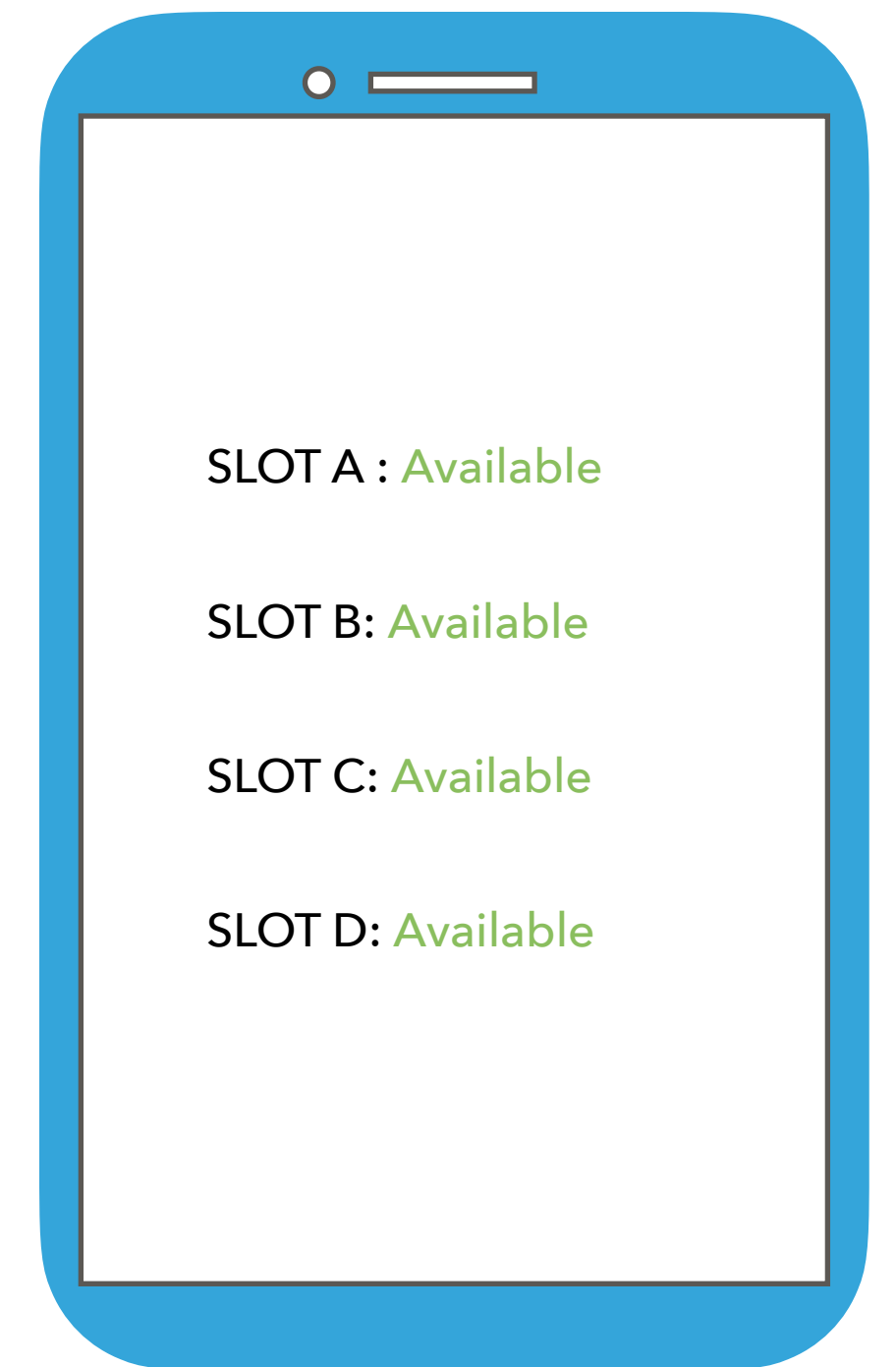
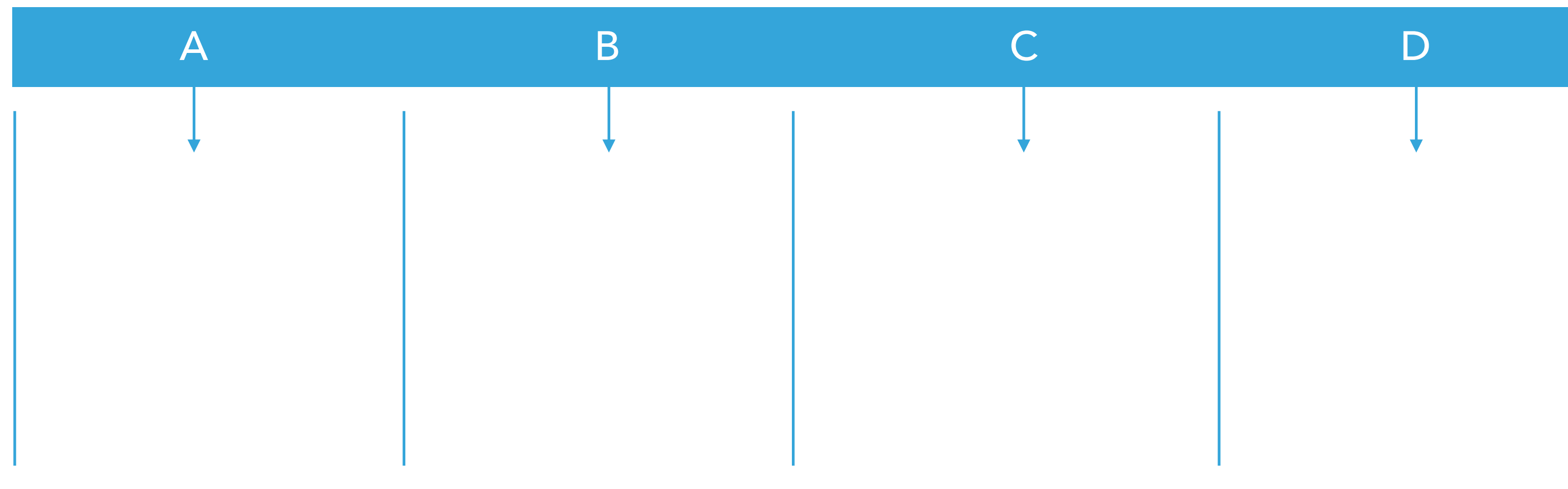
PROPOSED SYSTEM

- ▶ Visitors will be able to access information about **each** parking slots via the internet
- ▶ **Live availability** information will help find parking spots faster
- ▶ Autonomous billing (using timers at the parking spot) will further ease the process

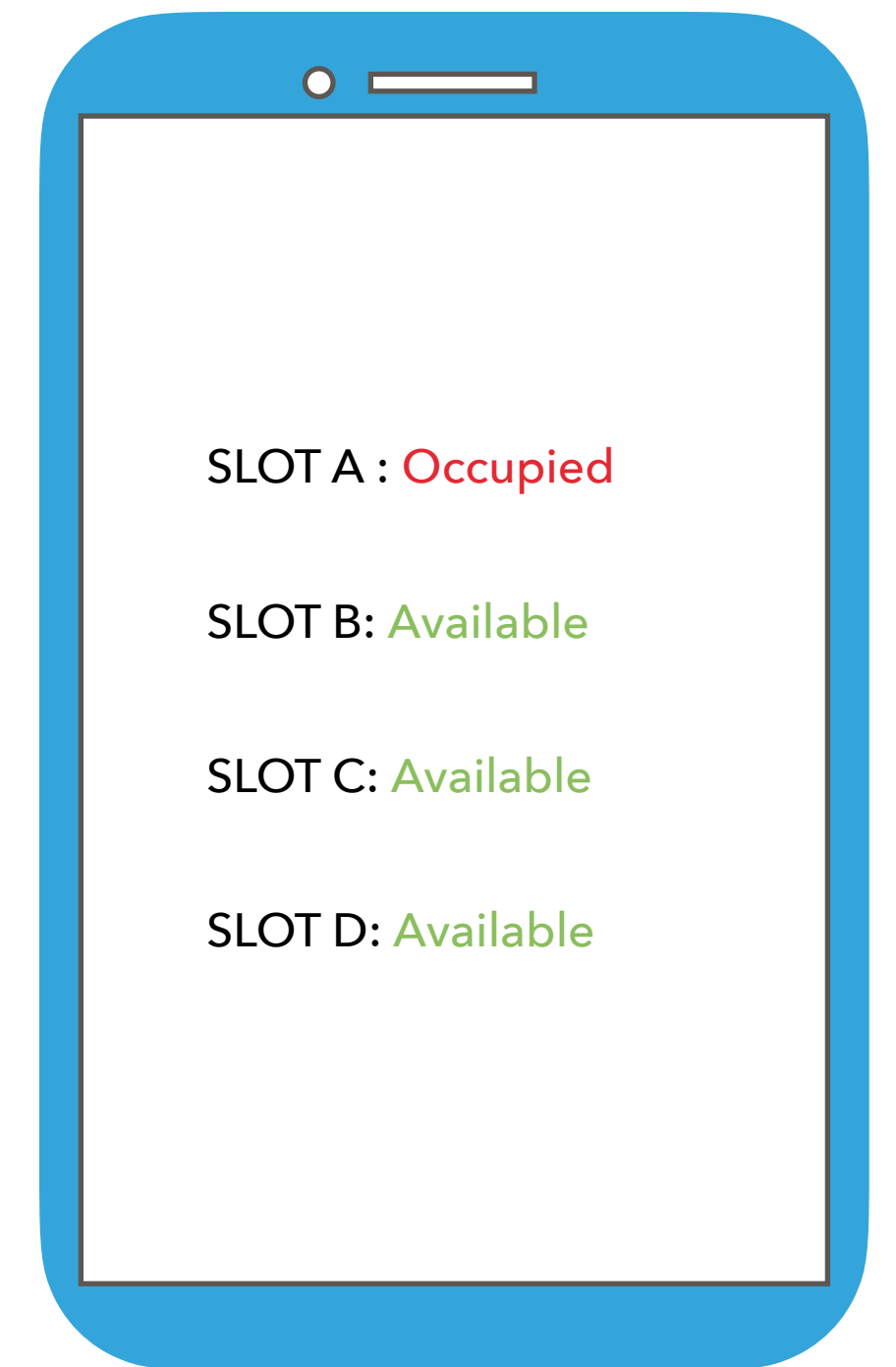
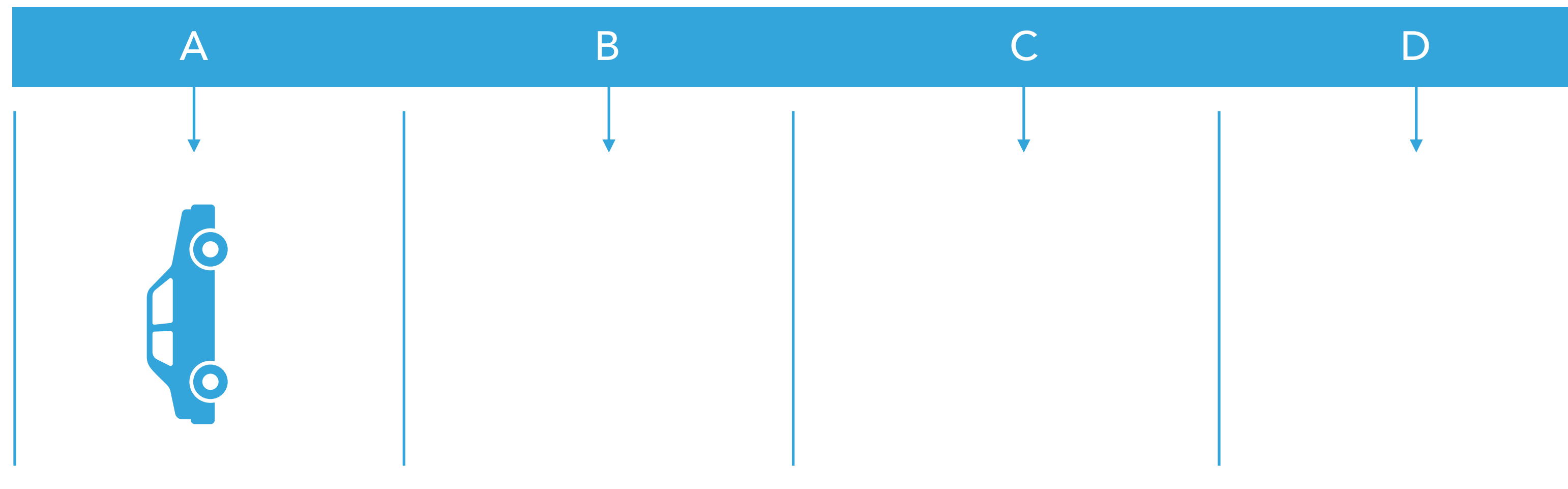
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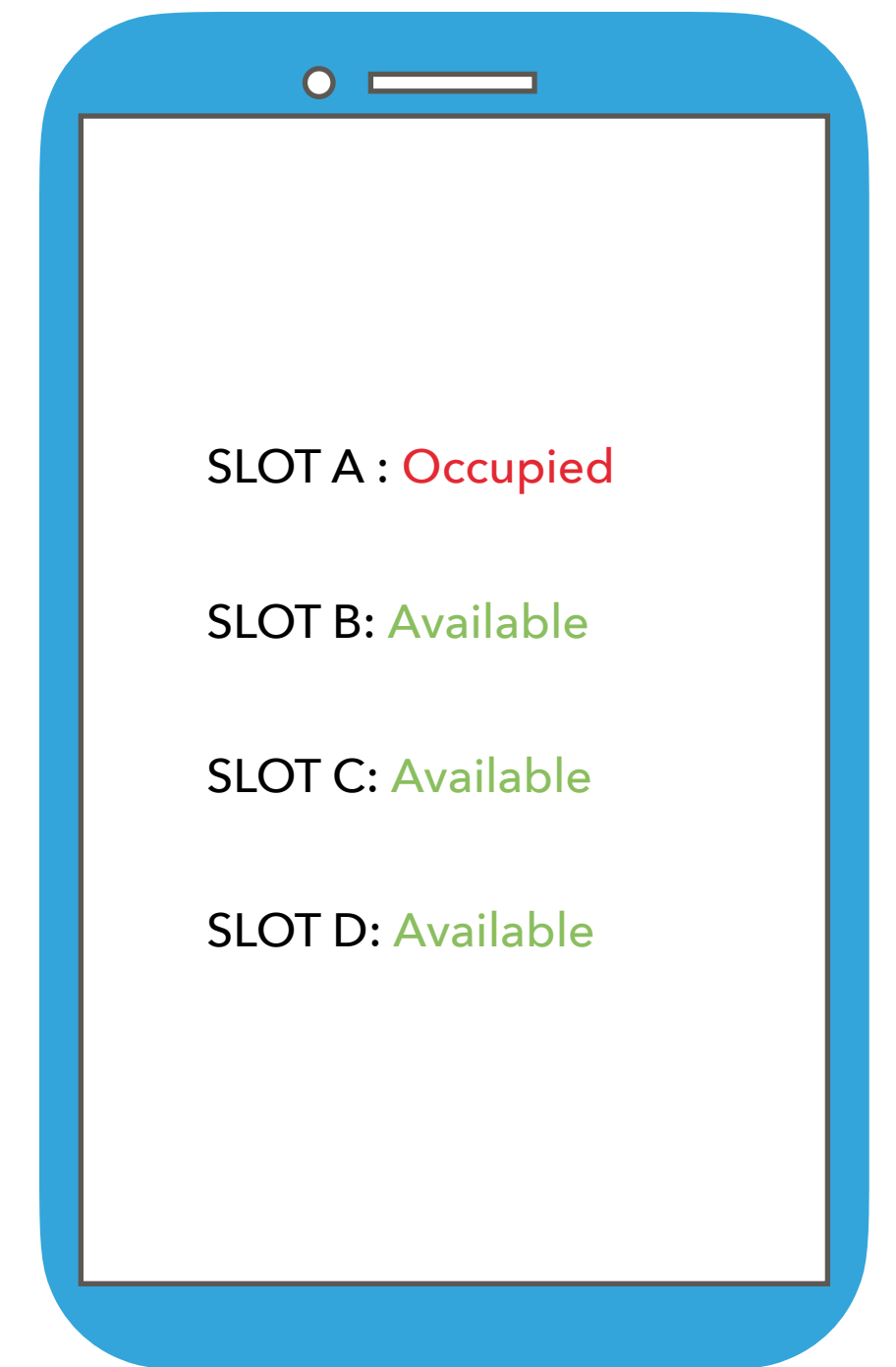
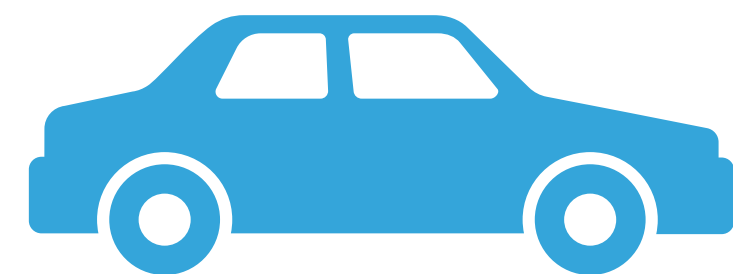
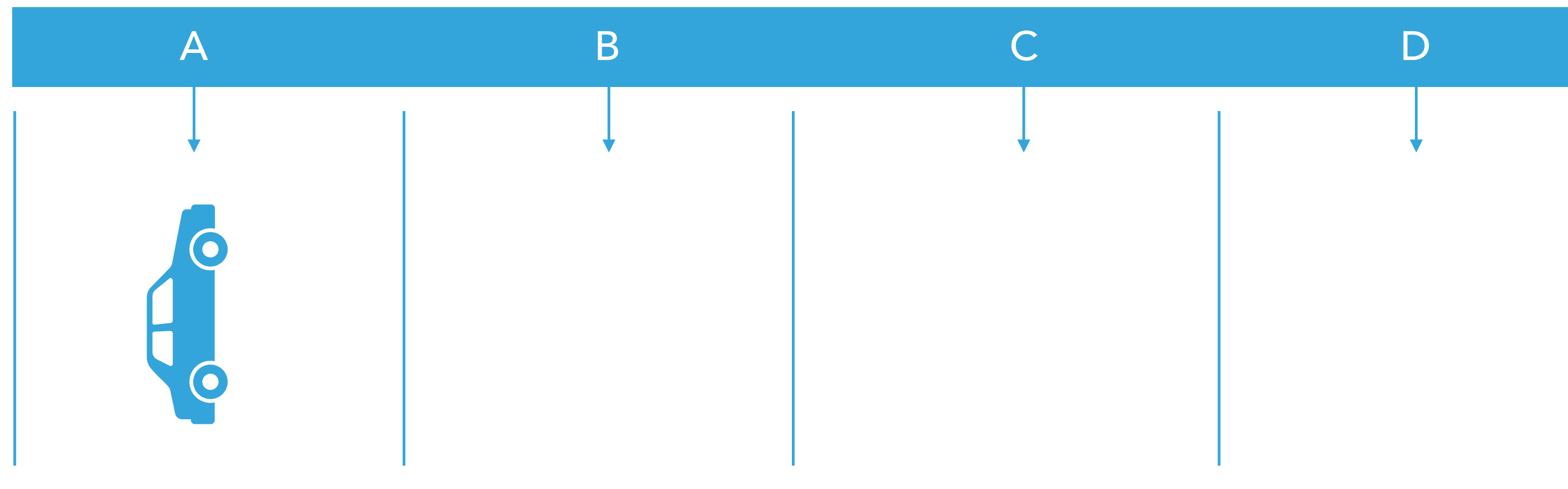
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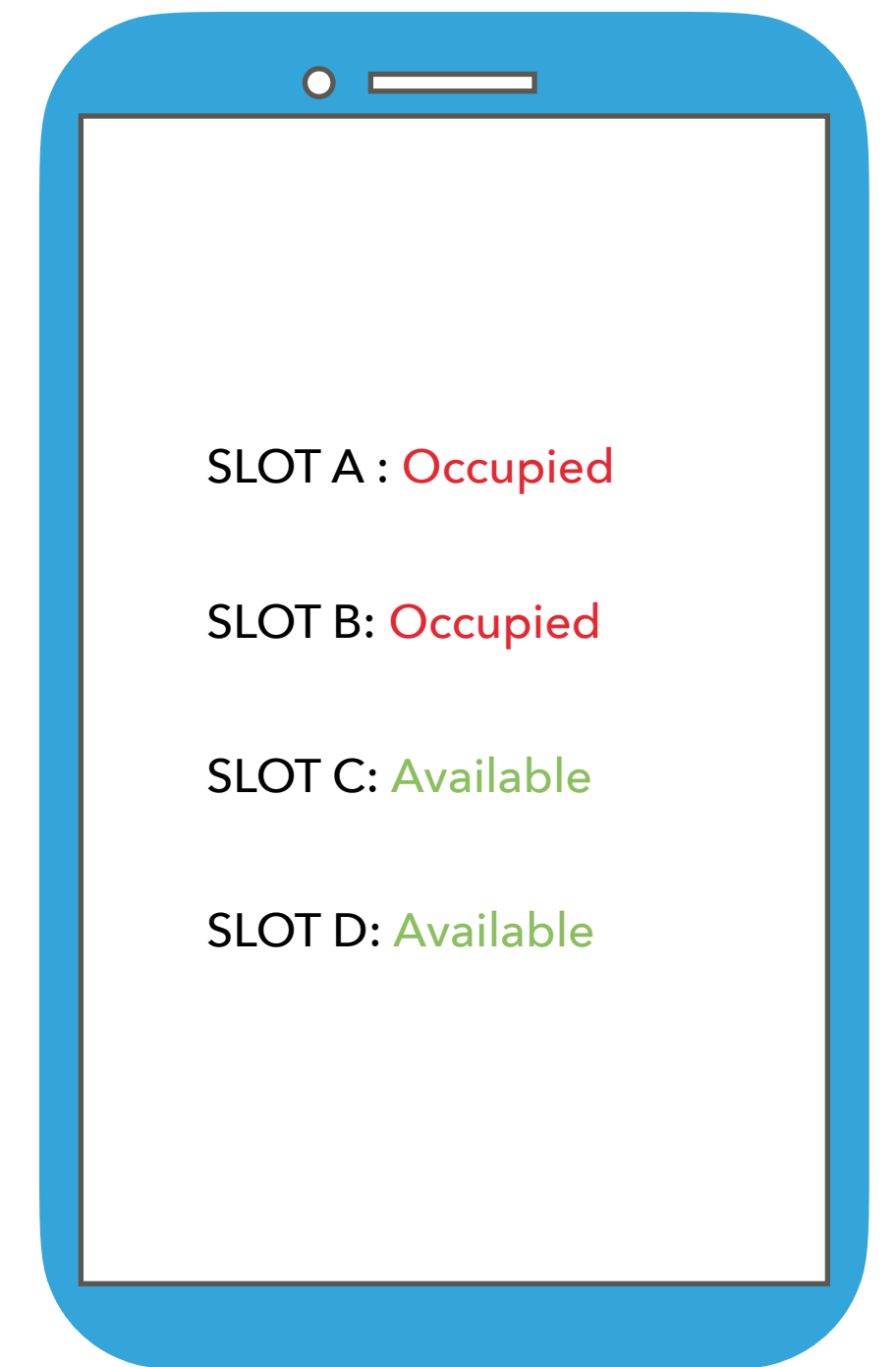
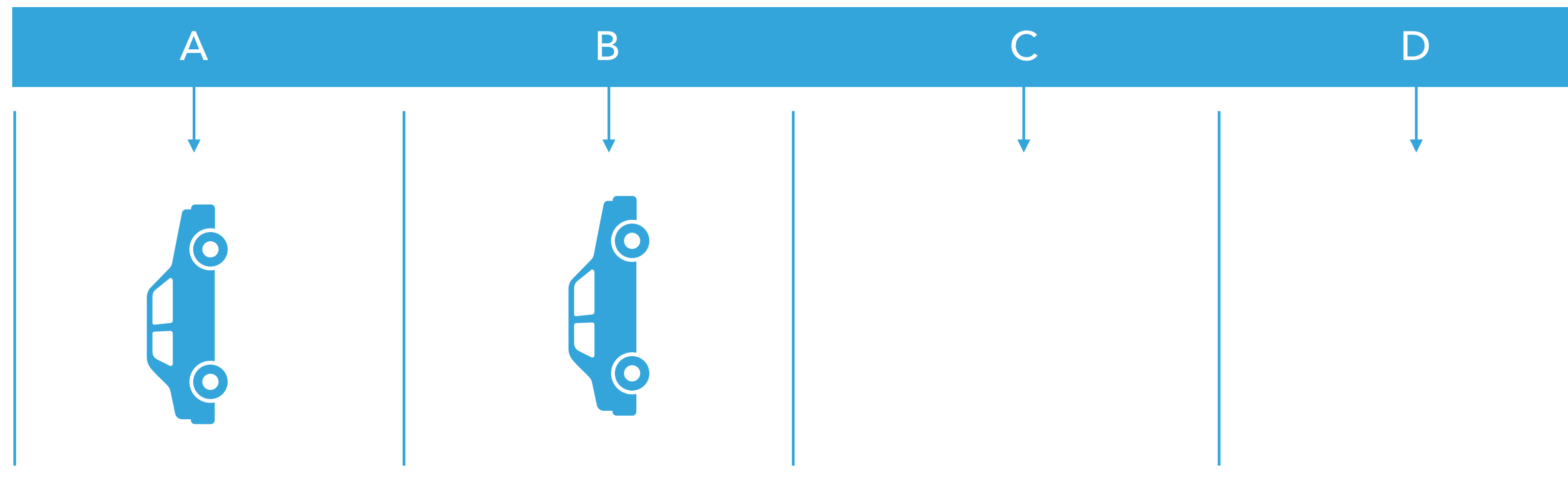
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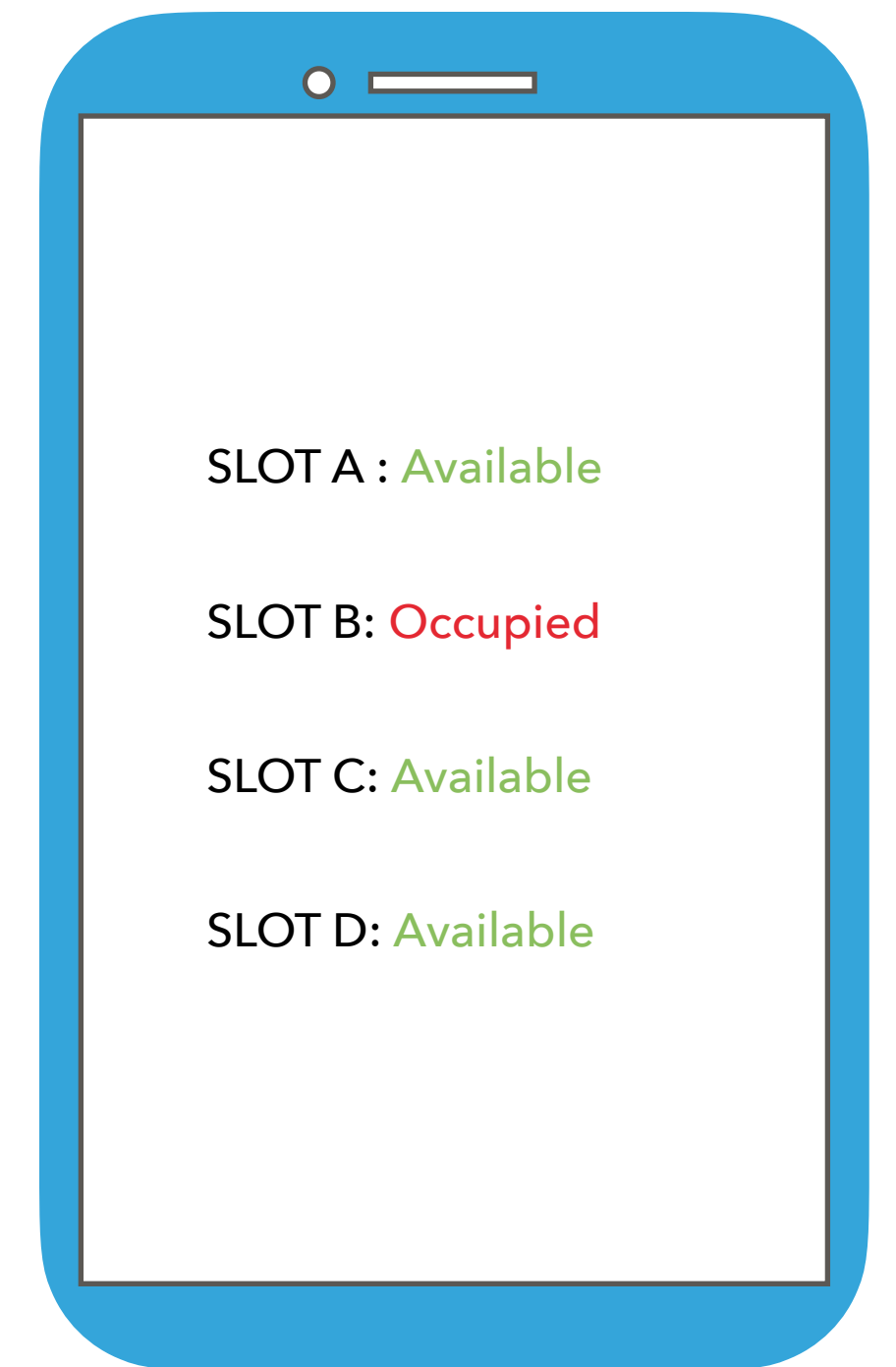
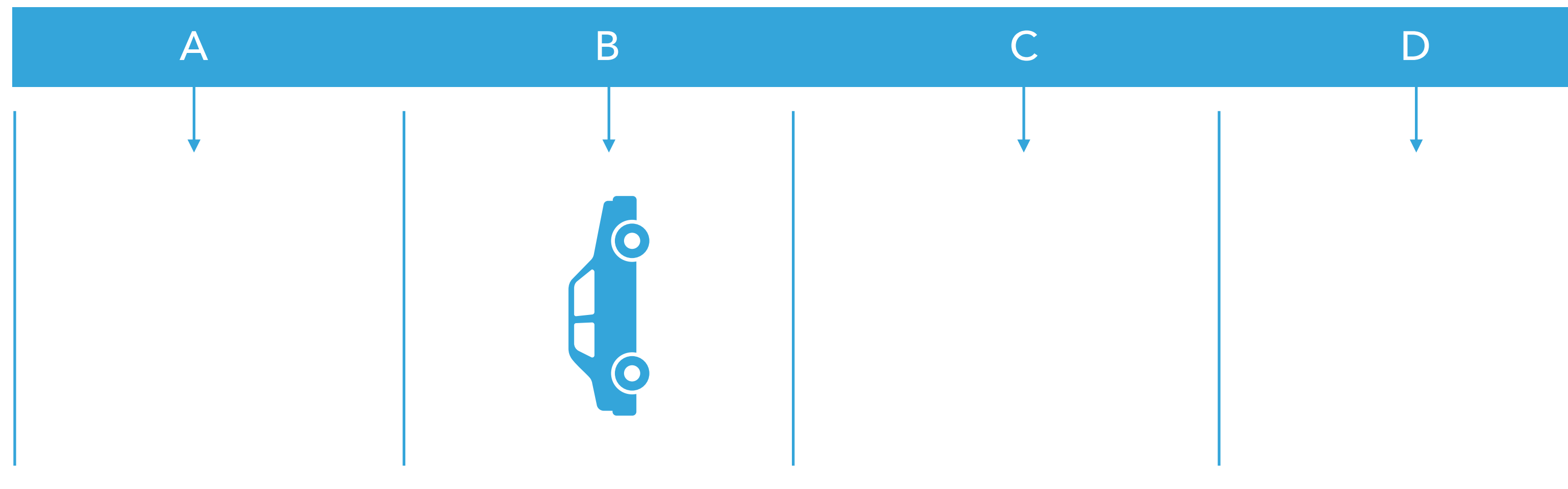
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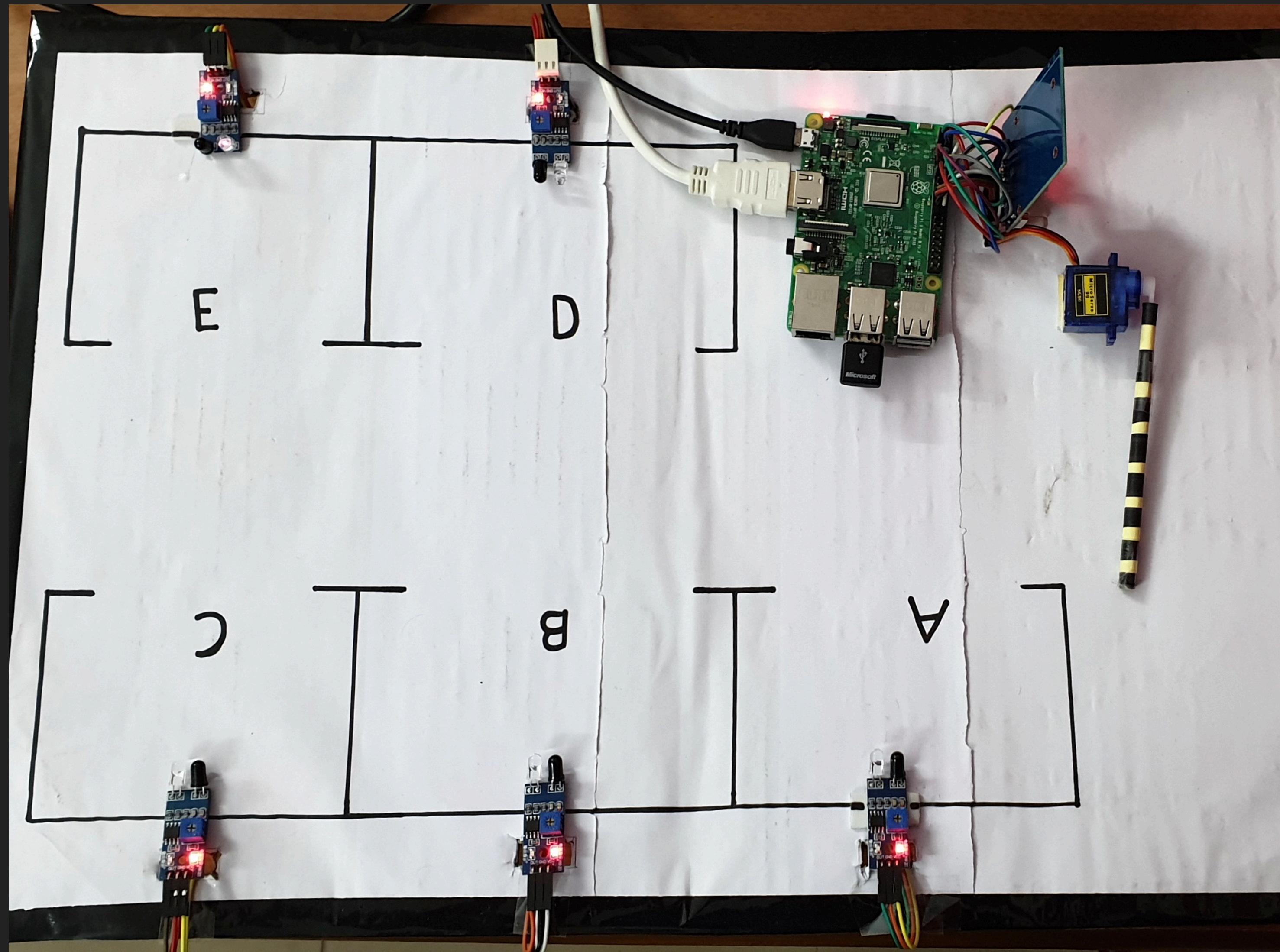
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DEMONSTRATION



PROJECT PICTURES



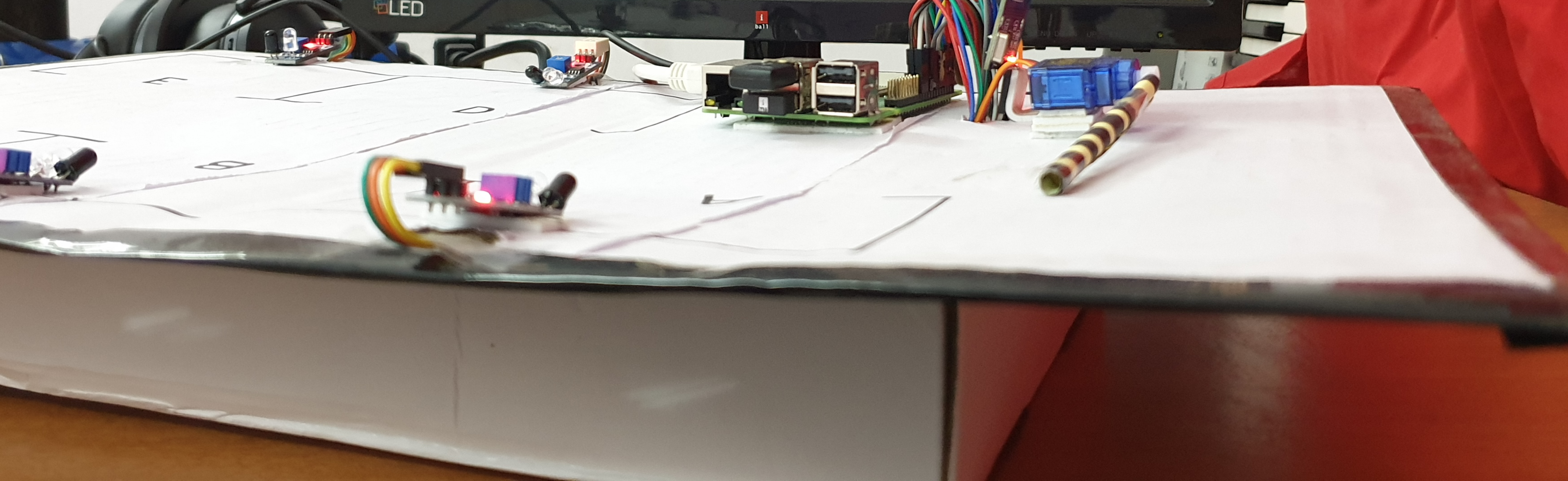
Final Project Hardware

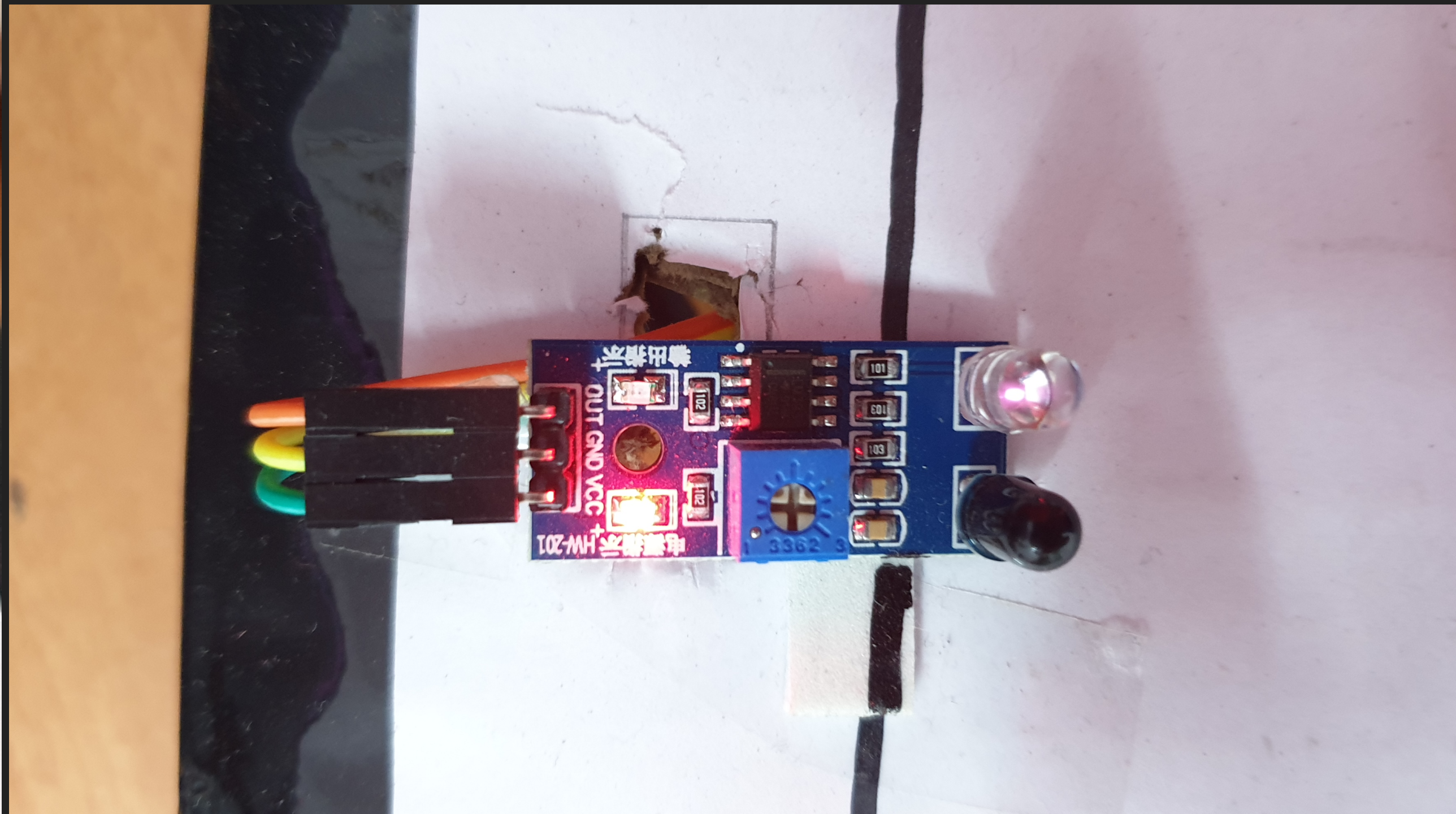
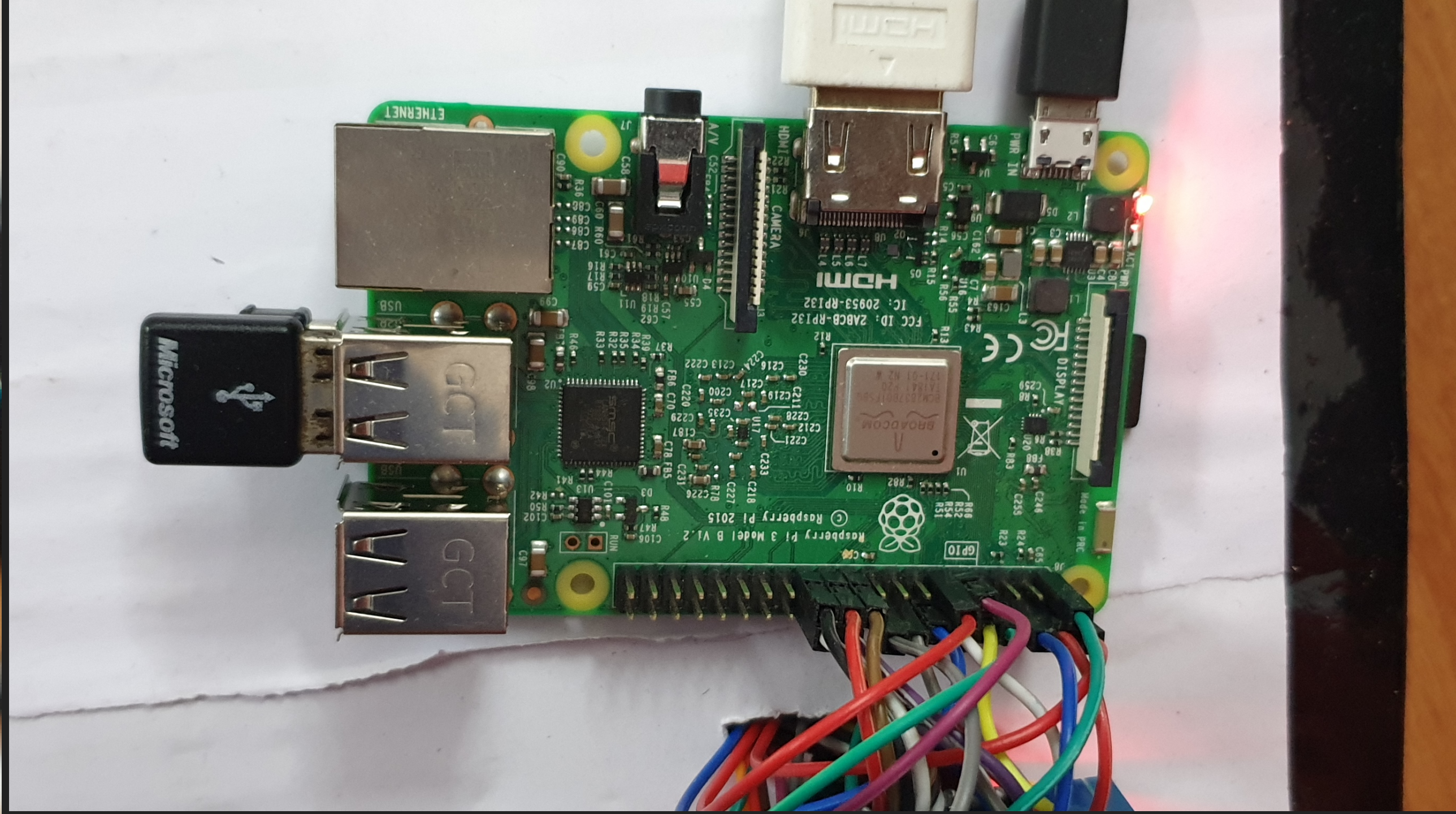
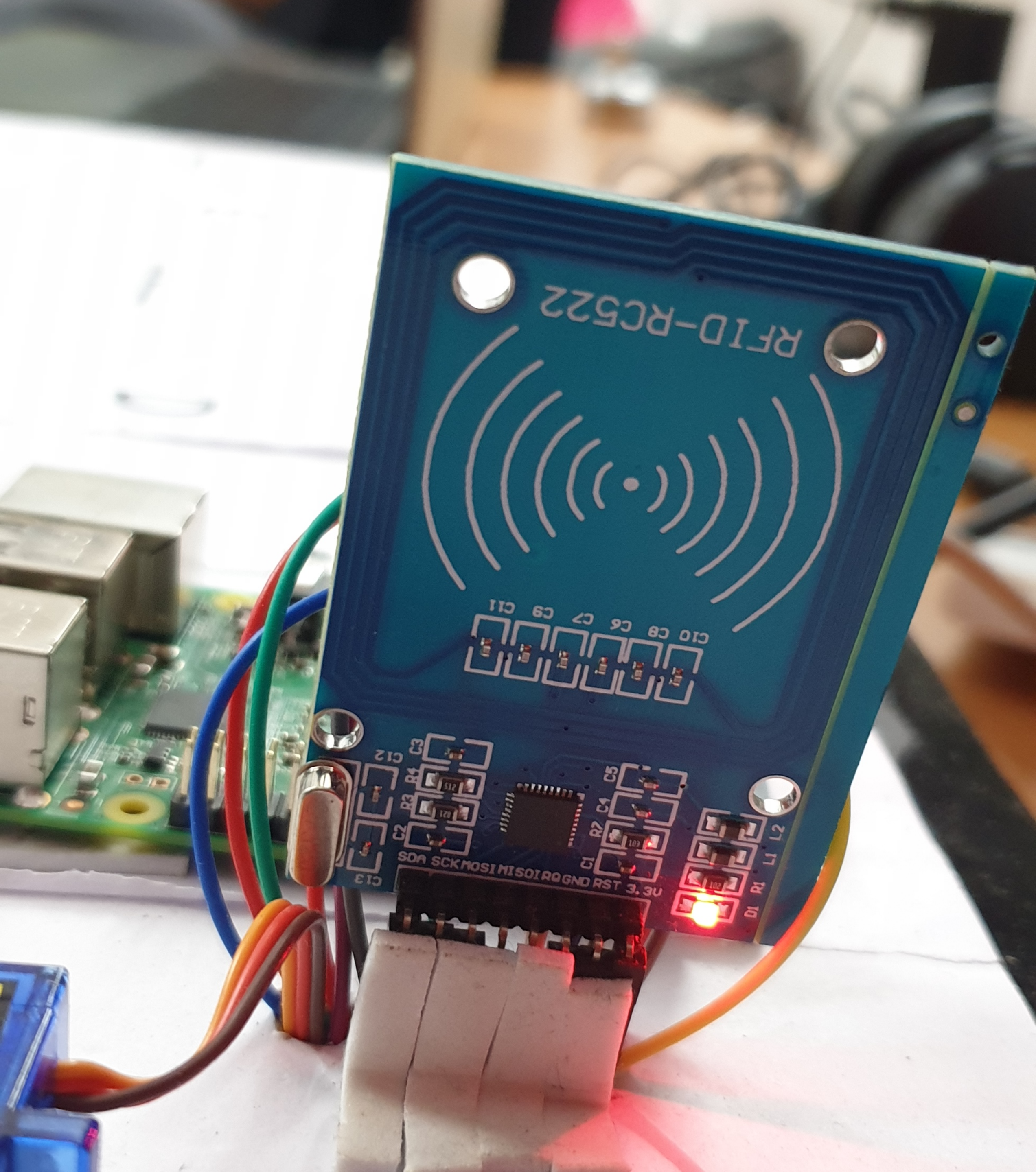
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Slot B: Available
Slot C: Available
Slot D: Available
Slot E: Available
[ ]

Enter your choice:
Enter your name: Loay
*****REGISTRATION MENU*****
1. Enter Name:
2. Enter Email-id:
3. Initial Amount in wallet:
4. REGISTER
5. Don't want to register
.....
Enter your choice: 2
Enter your E-mail id: loay.rashid@students.iiit.ac.in
*****REGISTRATION MENU*****
1. Enter Name:
2. Enter Email-id:
3. Initial Amount in Wallet:
4. REGISTER
5. Don't want to register
.....
Enter your choice: 3
Enter initial value on wallet: 50
*****REGISTRATION MENU*****
1. Enter Name:
2. Enter Email-id:
3. Initial Amount in Wallet:
4. REGISTER
5. Don't want to register
.....
Enter your choice: 4
REGISTRATION COMPLETE
*****
CARD DETECTED

-----
Welcome to Parking Lot : Loay
Your in time is : 2020-03-16 21:53:11
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CARD DETECTED

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Thank You for using our service.
Total Time Parked: 0:01:28
Please check your mail for total bill
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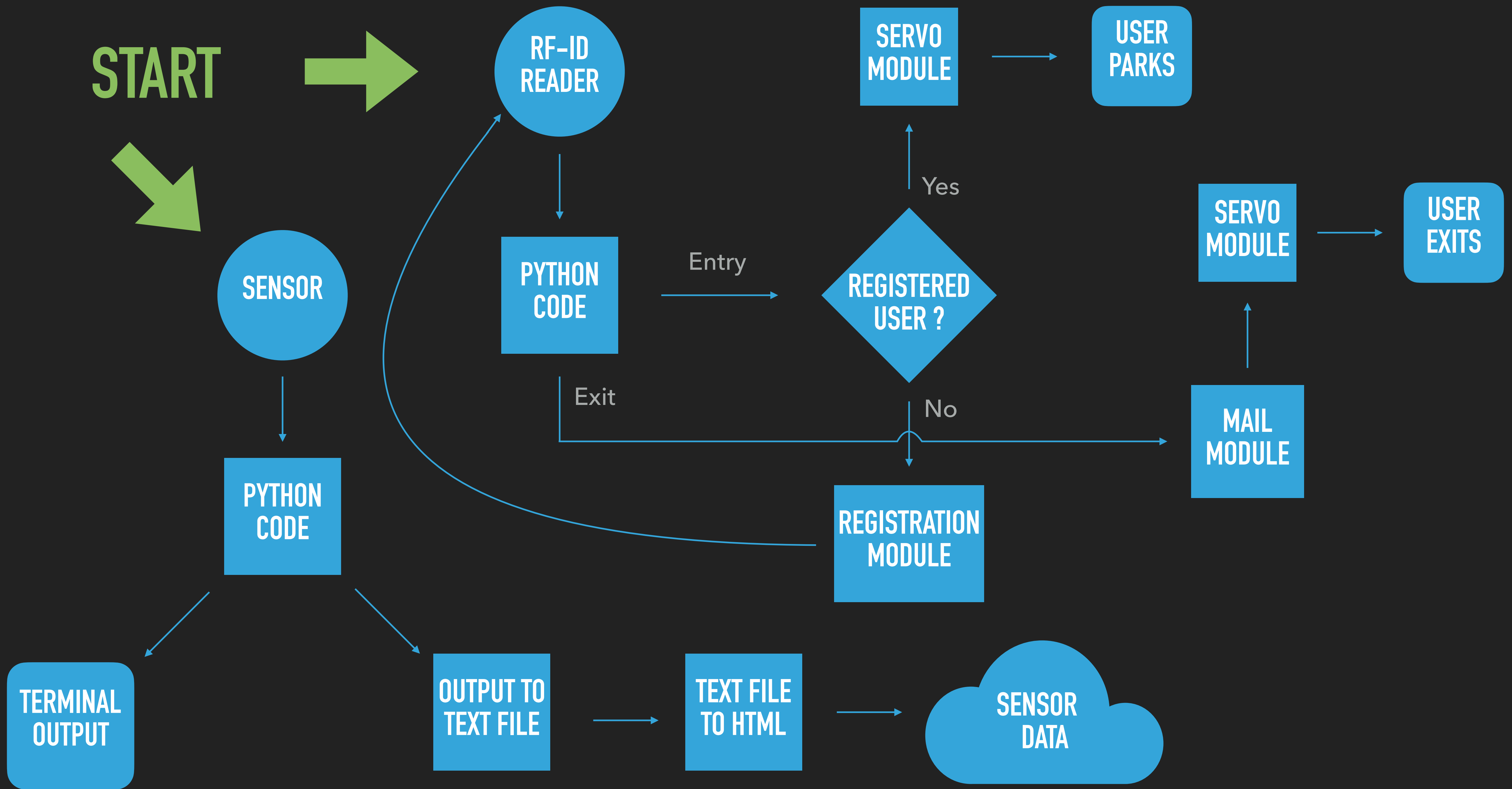




PROJECT VIDEO

[Click here to watch Video](#)

FLOW CHART



HOST WEBSITE TO INTERNET WITH LIVE SENSOR DATA

SCALABILITY

- ▶ Started with miniature implementation
- ▶ Scalable in parking lots with numbered/labeled slots
- ▶ Larger scale implementation will require additional infrastructure (Wireless Proximity Sensors)

THANK YOU