

Group 14

Superlot Parking

LINGYU LI, ANNETTE BRUCATO, SHEN WANG, ZHIHAO GUAN,
YUNHAO SHI, ZHIHENG ZHU

Problems we aim to solve

- ▮ Professional, user friendly, easy to use system that makes parking easier
- ▮ Guaranteed reservation
- ▮ Easy to use and update, customizable manager interface
- ▮ Usage statistical analysis to optimize profits and efficiency

What makes us unique

Manager interface

User Info view

Statistic graph

Make changes in price, hours,
etc

Customized

Reservation

Different price points for different
service that can accompany any
customer

Eco-charge parking

SMS text confirmation

Easy access to confirmation
number

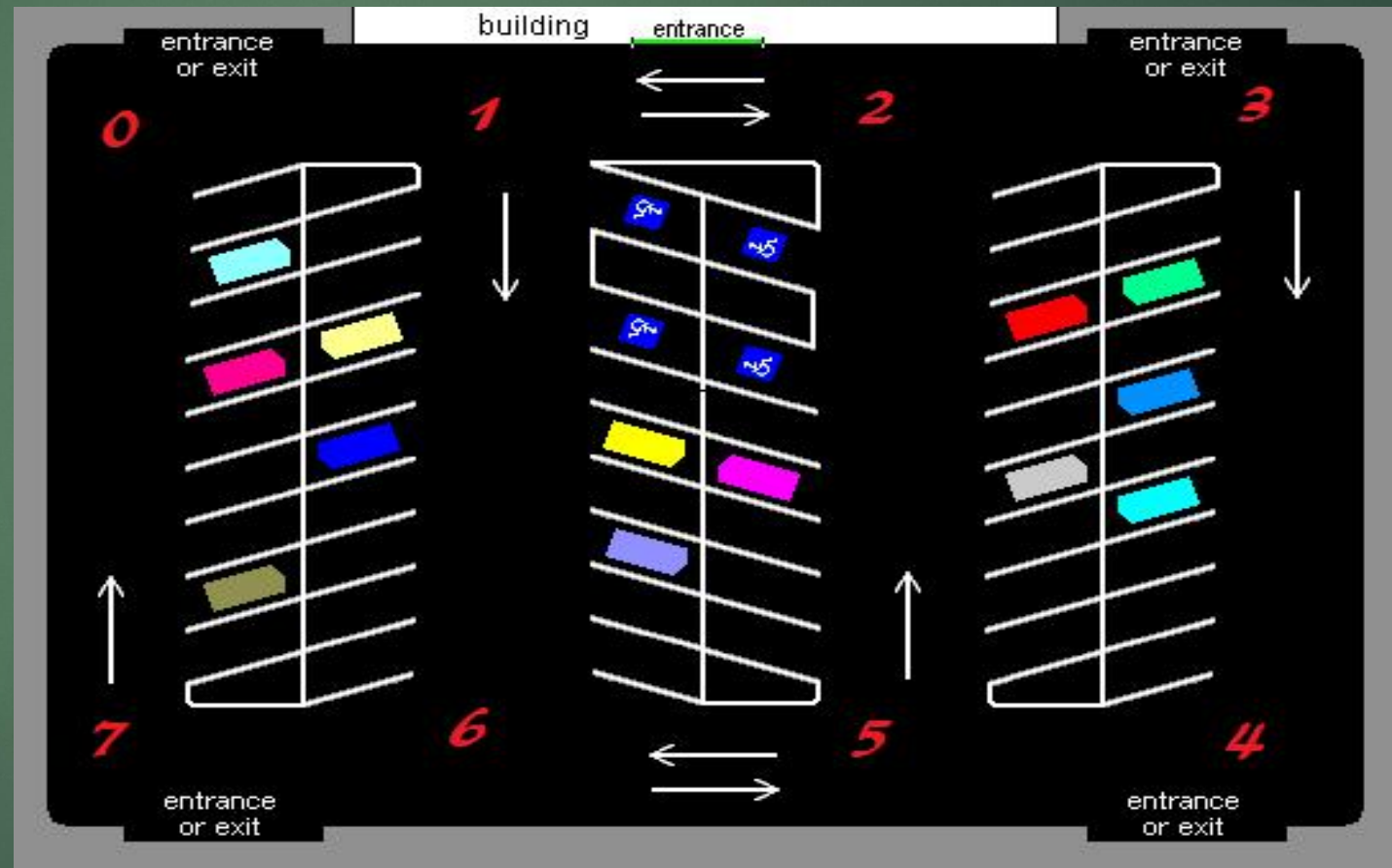
Reminder of reservation

Notification of any changes

What makes us unique

Navigation Algorithm

Based on the shortest path algorithm and the graph built on the parking lots, calculating the best route from the entrance to the assigned spot without traffic jam.



Going forward

Technical Challenges

- ▮ Creating app interface for customer and manager
- ▮ Billing process and transaction history
- ▮ Merging all work onto one
- ▮ Fingerprint identification for app

What we plan to do

- ▮ Write an algorithm to optimize shortest path to parking spot while taking into account the statistical data of busy times in the garage
- ▮ Use android studio to create apps
- ▮ Implement overstay use case
- ▮ Make the website accessible online