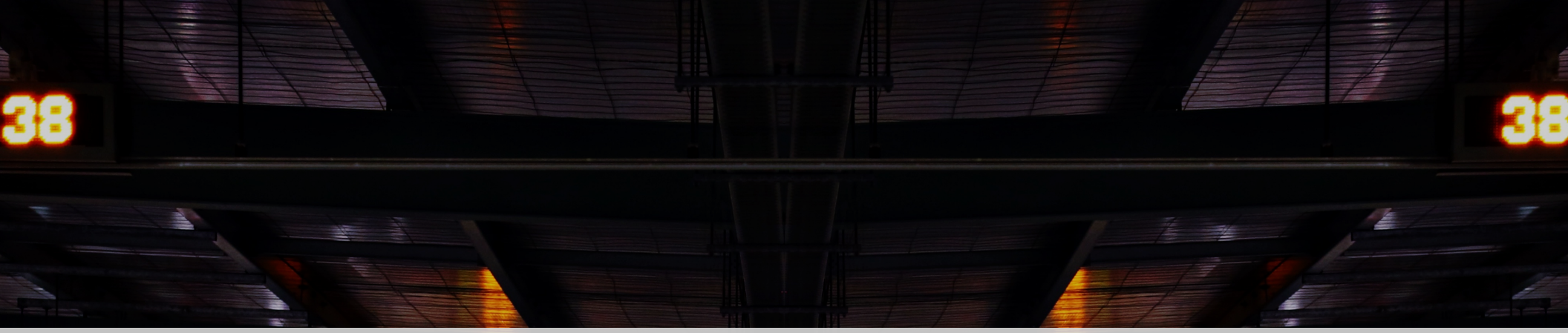

Parking, Automated!

Find Us At:

Frontend: https://git.io/JT9x3
Backend: https://git.io/JT9xc

Group D

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Park n' Go

DEMO DATE: 11/02/2020

The Problem

Parking lots are often ill-equipped to manage and direct the flow of incoming and outgoing cars during peak hours, resulting in the loss of business and profit.

Many common issues include:

- Employees constantly needing to check for empty parking spaces to direct traffic towards them, resulting in additional labor
- Guests are hampered as they compete to find an available parking spot, resulting in bad customer experience and wasted time
- Maintenance for parking spot(s) must be closed off ahead of time, adding to the congestion and confusion.

Park n' Go aims to decrease parking congestion through one convenient system.

Features & Benefits

Park n' Go is a fully automated all-in-one system for your parking lot.

Easy-to-Use Interface
A clean, well-designed website. It can be accessed from anywhere, and from (almost) any device.

Reservation System
Allow users to make a reservation ahead of time, or on the spot. In either case, the user will be designated their own parking spot. No hassle, no fuss!

Real-Time Vacancy System
Users and management can view the vacancy statuses of the parking lot in real time. Such a time saver!

Plate Recognition and Verification
Our system will scan license plates to ensure only authorized guests are allowed. Our system will also scan every car to ensure they are parked in their designated spot.

Maintenance
Management, do you need to close a spot? Need to adjust parking prices? Just do it through your device. Don't worry, users can't reserve closed-spots until you say so!

Reporting
See all of your historical financial data in one place.

System Requirements

Website Hosting Server
- 512 MB RAM

Database
- 4 GB RAM

Computer Hardware
- Smartphone with internet connection and browser: Chrome, Firefox, Safari, Android Browser, Edge
- Laptop/Desktop with internet connection and a browser: Chrome, Firefox, IE10+, Edge, Opera

Garage Hardware
- Touch Screen Monitor, min. resolution 1920x1080, anti-glare filter, 12.1 - 21.5 in. screen size
- Cameras, 1280x720 @ 30 fps, with LED illumination or night vision.
- Computer, 4 GB RAM, dual-core 2Ghz+, 1 Mbps (up/down) internet connection
- Payment Terminal (e.g. Clover, Square)