



# SmartPark: IoT-Driven Assisted Parking

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# Project Overview

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## Goal

Make parking on  
campus simpler for all



# User Needs

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- Quick parking
- Parking availability
- Easy payment
- Stress relief

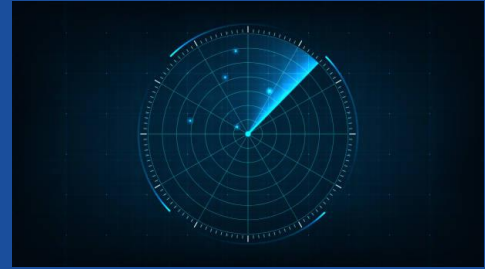


You don't want to be like this guy

# Functional Requirements

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- Sensors must be updating to server in real time
- Mobile application
  - Directs the driver to a open space
  - Allows users to reserve spots
- A way to communicate to users without the app
- Accept payments



# Nonfunctional Requirements

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- Low Latency
- Reliable
  - Application (Process user inputs)
  - Server (No Downtime)
  - Hardware (Low maintenance)
- Secure payments
- User friendly



# Constraints

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- Time
- Budget
- Using an existing parking lot
- Accuracy of ultrasonic sensors



# Questions?

