Doordash Navi

PRD

PM: Patricia Paulo
UX: Pat Pixels
EM: Casey Code
DS: Noel Numbers

STATUS: Draft

Background

The food delivery service is consistently growing and is predicted to have compounding growth in the coming years. In fact, it is projected to reach $98 billion by 2027. Big players like Amazon, eBay, and Uber are now using robots for their last-mile deliveries. Deploying driverless vehicles to pick up and deliver food can **improve delivery times** while **reducing costs**. Now, more delivery services are looking at autonomous vehicle (AV) technology to improve distribution. It's predicted that by 2024, the autonomous delivery robot marketplace will reach $34 billion USD.

Problem

The adoption of AV(autonomous vehicle) is inevitable due to the growing demand in the market. A number of businesses are now using delivery robots and it poses a huge threat to our business. Having delivery robots improves efficiency, cost savings, and delivery times. It allows these businesses to reduce the commissions charged to merchants, offer higher rates to their drivers, and improve the overall customer experience.

We are already exploring the integration of self-driving robots to deliver food. But we need to

think about how can we better optimize the use of AV(autonomous vehicle) across deliveries within short distances to improve the scalability of our company.

Goals

- Build an app that allows the operations team to remotely take control of robots.
- Increase the speed of deliveries
- Reduce the need for manual intervention

Key Features

Priority	Feature	Description
P0	Remote Navigation	Remotely navigate self-driving robots & access cameras when there is road interference.
P0	Fleet Manager	a tool for fleet management for a human operator to oversee the robots and track them when they are not being used, and view queue.
P0	Task Manager	Manual Assignment of deliveries (if needed) & command for the fleets to go back to their parking spaces
P0	Delivery Status	View the status of deliveries
P1	ETA alert	Alerts when delivery is running behind ETA
P0	GPS	high-resolution maps for autonomous driving integration with sidewalks included for tracking and navigation

P1	Order pick-up assignment	improve the automation of order assignments based on distance.

Success Metrics

Increase in the total number of orders fulfilled monthly.

Target Market

Doordash operator/ users.

Core UX Flow *(optional)*

[Handoff: Link to mocks]