LOGO TEXT HERE

[AUTO DASHER]

PRD

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UX: Pat Pixels
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STATUS: DRAFT

START	Create a copy of this template and include “v1” in the title Complete the sections below as part of Step 0: Set the stage

Background

Last-mile delivery is the most expensive part of the supply chain for the food delivery industry. With the continuous development of technology, robotics and autonomous driving technology are becoming more and more mature. People have begun to use robots instead of humans to deliver foods. Robots can better handle single and repetitive tasks. The food delivery robot can not only improve the reliability of food delivery services to a certain extent, but also effectively reduce labor costs. As the leader of the market, Doordash decides to use robots for food delivery service.

Problem

Although robots have been able to handle simple food delivery tasks, there are still some bottlenecks in related technologies. Unexpected circumstances will inevitably occur during the food delivery process. Neither the maturity of the technology nor the acceptance of the society has been able to allow robots to completely replace human labor for food delivery services. Currently, manual intervention is still necessary, and in the future, we need to continuously track

and control the robot. Hence, the problem we need to solve is how to enable humans and robots to better collaborate, while reducing human resources, to maximize the role of robots.

Goals

- Add path planning functions and intelligent obstacle avoidance capabilities for Doordash's food delivery robot to ensure that the robot is more stably and efficiently
- Develop a human-machine interaction platform to ensure that the courier is able to monitor and track the status/position of the robot, and also manually remote the robot when it's necessary.
- Develop a safety alarms system for robots, so that couriers can effectively solve the special situations and problems encountered by robots.

STOP	You've completed all the sections required for Step 0. Link your v1 PRD to your solution deck You'll finish the rest of this doc in Step 8.

START	When you are ready for Step 8: Handoff Create a copy of your existing v1 PRD and add "v2" to the title Only make changes to your v2 PRD going forward Complete the sections below and edit the sections above, if needed.

Success Metrics

- Reduce total food delivery costs by 15% in 1 year
- Enhance the maximum delivery capacity by 30% in 1 year
- Increase the number of users ordering by 20% in 1 year

Key Features & Scope

P0 = we shouldn't launch the product without it
P1 is not launch blocking but nice to have and potentially a fast follow after launch.
Anything higher will likely not be built in a reasonable amount of time

- P0: Self-drive and Traffic recognition
- P0: Real-time video of the surrounding environment
- P0: Remotely take control of robots

- P0: Delivery and robot status tracking
- P1: Abnormal alert and safely contr
- P1: Transaction and purchasing record
- P2: Provide alternative options for route navigation

Core UX Flow

https://www.figma.com/file/HAT0jwXhktjJE561cFcnjg/Auto-Dasher-2?node-id=0%3A1

STOP	You've completed all the sections required for Step 8. Link your v2 PRD to your solution deck