

# Project Plan

Our project aims to deliver exceptional results through structured planning and efficient execution.

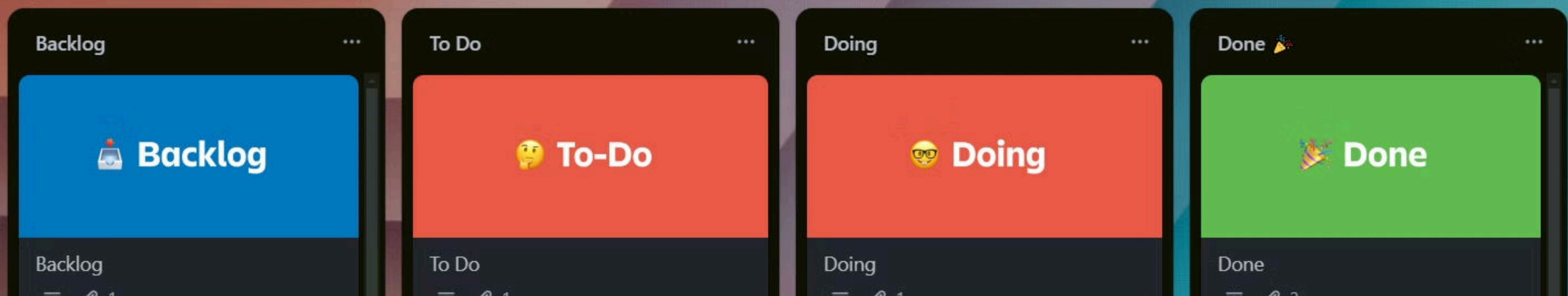
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# Open Parking Spot Management System

We are developing a cutting-edge system to manage and optimize open parking spots. Users can easily find, reserve, and pay for parking using our intuitive app.





# Project Management Style: Agile

## 1 Collaborative Approach

Emphasizes teamwork, adaptability, and quick responses to change.

## 2 Iterative Development

Focuses on delivering functional increments and gathering feedback for continuous improvement.

## 3 Transparency

Provides visibility into project progress and fosters open communication among team members and client.

# Task decomposition

## Hardware

**1** Boards

**2** Sensors

**3** Communications

## App

**1** Research Design

**2** Wire Framing

**3** UI / UX Testing

## Server

**1** Setup

**2** Testing

**3** Communication

# Key milestones

## **Real-time Parking Update**

Within 10s of leaving someone leaving a parking spot, the spot should be updated to open in the server.

## **Good UI/UX**

7 in 10 users find the experience when using the app to be satisfactory



# Identification of possible risks

1

## Possible Risk

- Weather
- Payment Security
- Driver Safety

2

## Risk Management

- Consider weatherproofing technologies
- Use a Secure API for payment transactions
- Minimize distractions when using the App

# Conclusion

In conclusion, by adopting iterative development and promoting transparency, the project team can effectively manage change and ensure continuous improvement. Furthermore, breaking down tasks will help streamline the development process. Key milestones include real-time parking updates within 10 seconds of someone leaving a spot and ensuring that 7 out of 10 users find the app's UI/UX satisfactory. Additionally, identifying possible risks such as weather, payment security, and driver safety, and implementing risk management strategies like weatherproofing technologies, secure APIs for payments, and minimizing distractions can mitigate these risks.