

PRD 2: Parking management system for owners

1. Product Description:

Develop a parking management system for owners that allows them to efficiently manage and control their parking spaces. The system achieved a comprehensive solution for parking management, optimizing occupancy and improving the experience for both owners and end users.

2. Functional requirements:

- Registration of owners: Parking lot owners will be able to register in the system with information about their available spaces.
- Space management: Owners will be able to manage the availability, rates, hours of operation and additional services of their parking lots.
- Reservations and payments: The system will allow owners to receive and manage parking reservations, as well as process the corresponding payments.
- Reports and statistics: The system will generate reports and statistics on parking occupancy, revenue generated, demand trends and other relevant metrics to help owners in decision making.
- Communication with users: Owners will be able to communicate with users through the platform to provide additional information, answer questions and solve problems related to parking lots.

3. Non-functional requirements:

- Security: The system will guarantee the security of the personal and financial information of the owners and users, implementing encryption, authentication and protection measures against cyber attacks.
- Intuitive interface: The system will have an intuitive and easy-to-use interface so that owners can manage their parking lots without difficulty, with clear and accessible options.
- Scalability: The system will need to be scalable to handle a growing number of owners and registered parks, without compromising performance or efficiency.
- Payment integration: The system will be integrated with secure payment gateways to process reservation payments, guaranteeing safe and reliable transactions.
- Remote access: Owners will be able to access the system and manage their parking lots from any location, using devices with an Internet connection.