
Parking Lot Requirements Simplified

1. **Parking Capacity:** Our parking lot must accommodate up to 40,000 vehicles simultaneously.
 2. **Types of Parking Spots:** We require four distinct parking spot categories:
 - Handicapped: Designated for vehicles with a handicapped permit.
 - Compact: Smaller spots tailored for smaller cars.
 - Large: Larger spots intended for bigger vehicles like trucks or vans.
 - Motorcycle: Spots specifically designed for motorcycles.
 3. **Entrances and Exits:** The parking lot should feature multiple entry and exit points to facilitate vehicle flow and reduce congestion.
 4. **Vehicles Allowed:** The parking lot will accommodate:
 - Cars: Standard passenger vehicles.
 - Trucks: Larger, heavier vehicles than cars.
 - Vans: Vehicles used for transporting goods or people.
 - Motorcycles: Two-wheeled motor vehicles.
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5. **Display Board:** A display sign or screen should be present to show the availability of each parking spot type.
6. **Max Capacity Rule:** The parking lot cannot admit more vehicles once it reaches its full capacity of 40,000 spots.
7. **Full Lot Notification:** Upon reaching maximum capacity, notifications should be prominently displayed at the entrance and on the internal display board.
8. **Parking Ticket:** Customers should receive a parking ticket upon entry, which will be used to calculate and make payment upon exiting.
9. **Payment Options at Exit:** Parking fees can be paid in two ways upon exiting:
- At an automated machine.
 - Directly to a parking agent.
10. **Hourly Rates:** Parking charges will be determined based on the duration of stay, with rates applied hourly.
11. **Payment Methods:** Payments can be made using:
- Credit or debit cards.
 - Cash.