



Introduction to Vehicle Management System

Streamlining vehicle operations for enhanced efficiency and control.

Team members:

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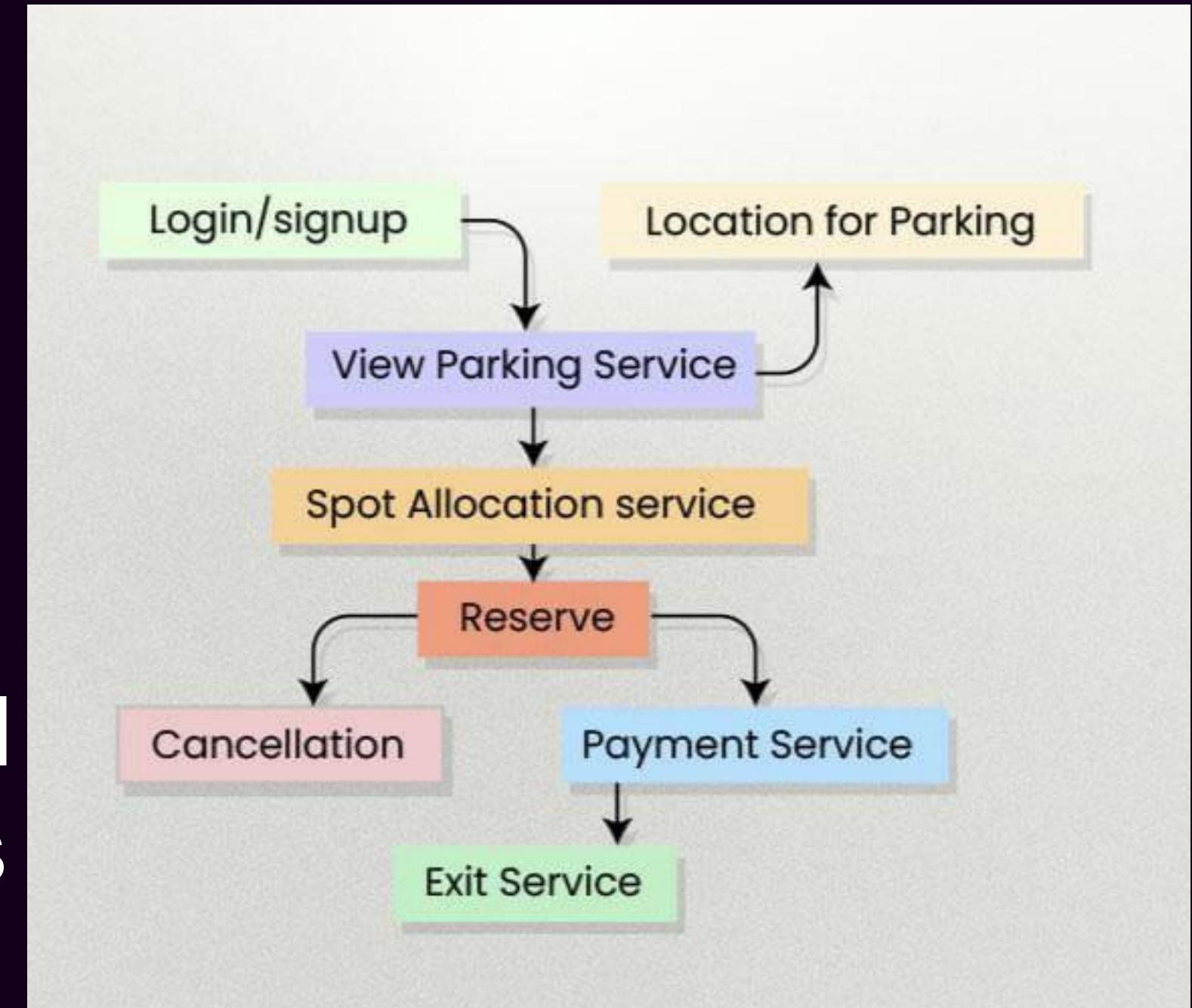


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Abstract:

The Vehicle Parking Management System aims to automate parking operations such as slot allocation, vehicle monitoring, fee calculation, and record maintenance. It reduces human effort and improves accuracy and security in parking spaces.



INTRODUCTION:

The project introduces a smart system to manage parking slots efficiently using automated techniques. It ensures proper utilization of parking areas and reduces congestion and manual errors.



APPLICATIONS:

- Shopping Malls
- College & Universities
- Hospitals
- Commercial buildings
- Apartments
- Public parking areas



EXISTING METHODOLOGY:

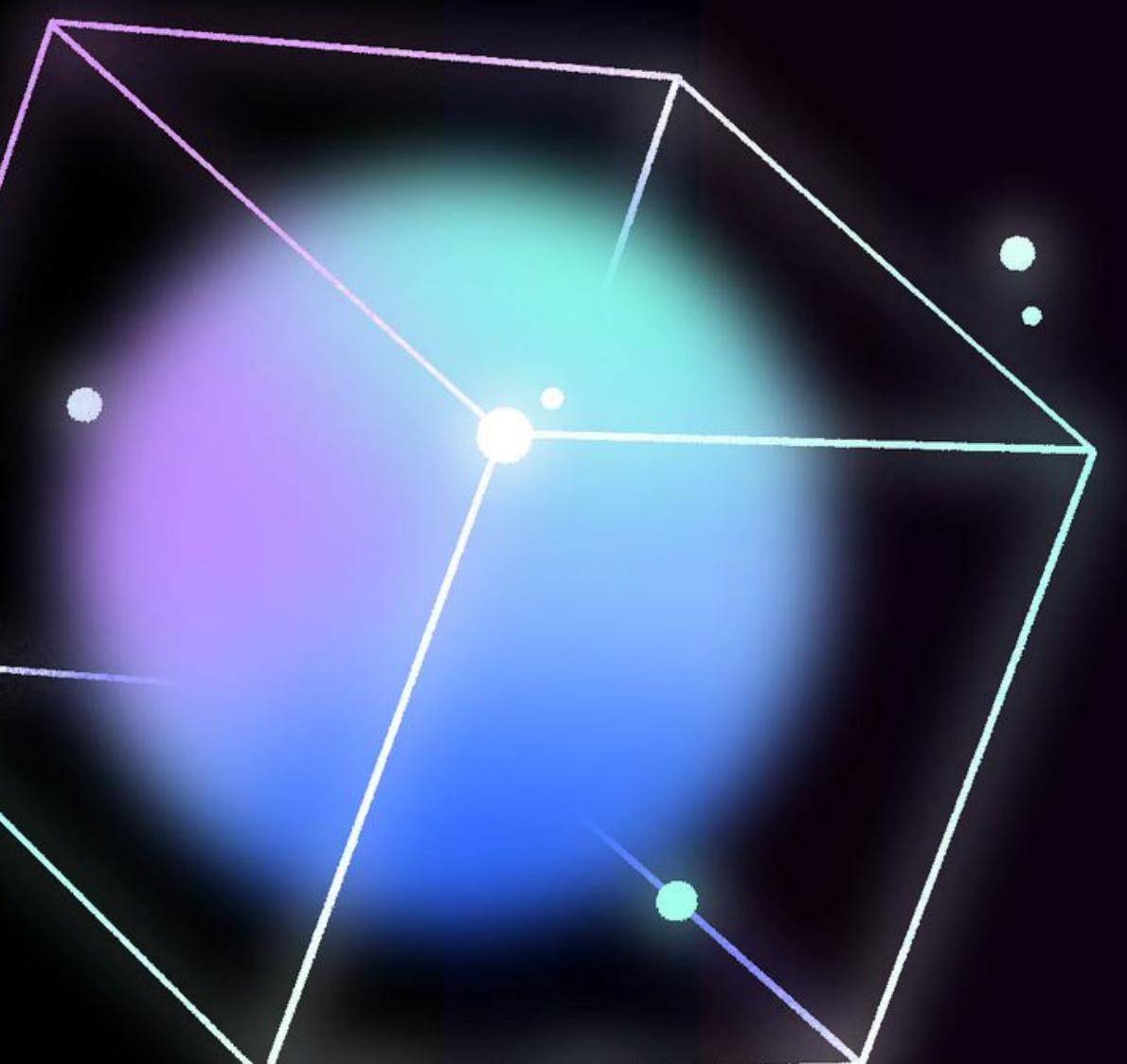
- Manual entry of vehicles
- No automated slot detection
- Paper-based record system
- High chances of human error

DRAWBACKS OF EXISTING METHODOLOGY:



- Time-consuming processes
- Difficulty in tracking vehicles
- Mismanagement of slots
- Inefficient record keeping

PROPOSED METHODOLOGY:

- 
- :
 - 1. Automated vehicle entry system
 - 2. Real – time slot availability
 - 3. Automated fee calculation
 - 4. Secure database management



ADVANTAGES OF PROPOSED METHODOLOGY:

- Reduces human effort
- Saves time
- Provides real-time updates
- Increases parking efficiency
- Ensures security and accuracy

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ARCHITECTURE OF PROPOSED METHODOLOGY:

- Input Module
- Slot Allocation Module
- Database
- Billing Module
- Output Display System

CONCLUSION:

A vehicle parking management system project concludes by providing an efficient , organized and automated solution for managing parking , which enhances user experience , optimizes space utilization and increases security.



VEHICLE PARKING MANAGEMENT SYSTEM

 Username

 Password

Log In

VEHICLE PARKING MANAGEMENT SYSTEM

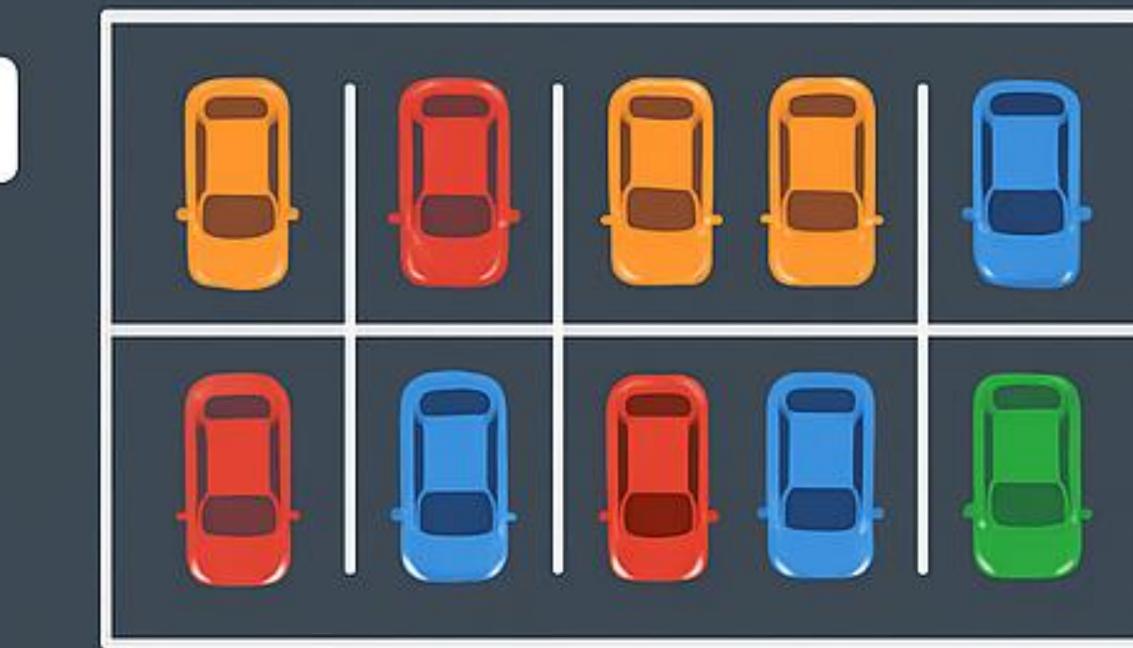
Add Vehicle

Parking Slots

Reports

VEHICLE PARKING MANAGEMENT SYSTEM

P



VEHICLE PARKING MANAGEMENT SYSTEM

Select Parking Slot

Park Vehicle

===== VEHICLE PARKING MANAGEMENT SYSTEM

=====

- 1. Add Vehicle Entry
- 2. Search Vehicle Details
- 3. Display All Vehicles
- 4. Exit

Enter your choice: 1

Enter vehicle number: 564

Enter owner name: Rani

Enter vehicle type (Car/Bike/etc): Car

Vehicle added successfully!

===== VEHICLE PARKING MANAGEMENT SYSTEM

=====

- 1. Add Vehicle Entry
- 2. Search Vehicle Details
- 3. Display All Vehicles
- 4. Exit

Enter your choice:

3

----- All Parked Vehicles -----

Vehicle 1

Vehicle No : 564

Owner Name : Rani

Vehicle Type: Car

===== VEHICLE PARKING MANAGEMENT SYSTEM

=====

- 1. Add Vehicle Entry
- 2. Search Vehicle Details
- 3. Display All Vehicles
- 4. Exit

Enter your choice: 2

Enter vehicle number to search: 564

Vehicle Found:

Vehicle No : 564

Owner Name : Rani

Vehicle Type: Car

===== VEHICLE PARKING MANAGEMENT SYSTEM

=====

- 1.Add Vehicle Entry**
- 2. Search Vehicle Details**
- 3. Display All Vehicles**
- 4. Exit**

Enter your choice :4

It come backs to the actual code



THANK YOU

If you have any queries
and doubts regarding
our project feel free to
ask.

