

ONLINE PARKING BOOKING SYSTEM

Participants

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ABSTRACT

- In cities where the population is at its peak and the roads are all messed with vehicle's and long traffics. In such over increasing population it becomes a difficult job to find a parking spot for our vehicle. We came up with an idea where users can logon to our Web Application and find the ideal parking spot. Our project Online Parking Booking system is developed in Java, MYSQL. With this the users save's both time as well as fuel. The user can easily view the parking availability on the web application and drive straight to the spot without wasting any time.

EXISTING SYSTEM

- In urban areas when the population is at its highest point and the roads are clogged with cars and heavy traffic. Finding a parking space for our wheels becomes a challenge in the face of such a high demand for automobiles. People are consequently obliged to park carelessly wherever they may find room, which leads to traffic infractions like unlawful, haphazard, double or angle parking.

- The parking management in the current system is all done manually, making it impossible to make the procedure simple and efficient.
- The current parking management system does not take into account parking timing slots, which might lead to greater confusion and inefficient space use.

DISADVANTAGES OF EXISTING SYSTEM

- Manual Works.
- Everything is paper work.
- User cannot able to select the desired location, date or time.
- More manual hours are needed for checking the spaces available.
- It is tedious to manage historical data on which date and time the booking has been done

PROPOSED SYSTEM

- Customers can easily reserve a parking place online with the help of the project's suggested online parking booking system.
- It eliminates the time-consuming issue of trying to find parking in commercial locations.
- As a result, this project provides a web-based reservation system that enables customers to browse variety of parking lots and select a space to check if it is available or not.
- He can reserve it for a specified time slot if the booking spot is open. The reserved area will be highlighted in yellow and unavailable to others for the allotted amount of time.
- Even payments can be made online by users.

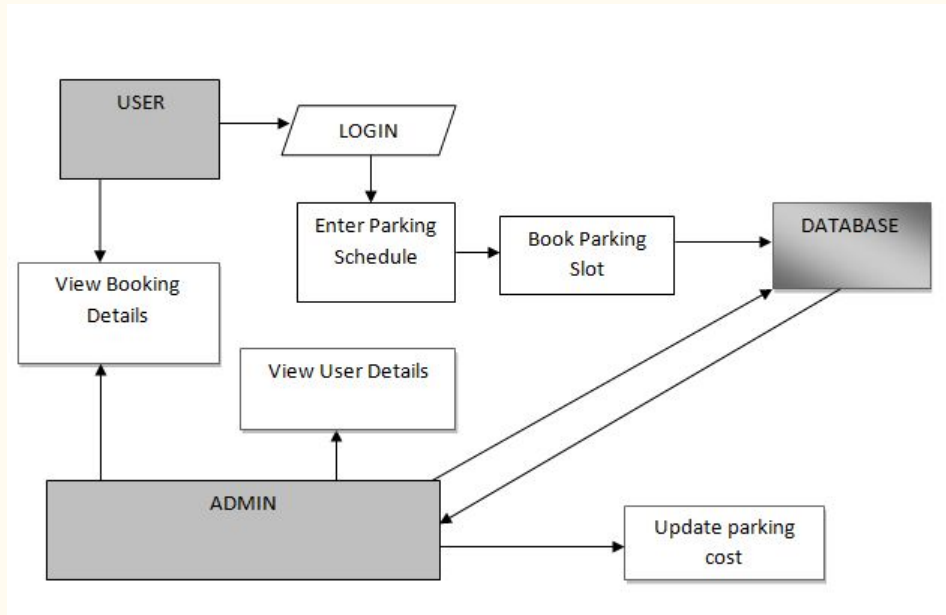
- The project can be implemented in commercial areas for employee parking.
- It can be utilized by companies and organizations (hospitals, schools, colleges) to automate their parking system.
- The system can also be used in public places for public parking like in malls, station, and so on.

ADVANTAGES OF PROPOSED SYSTEM

- Users can discover more about parking options at certain sites.
- It helps users save time when looking for parking spots in a large parking area.
- The parking slots are displayed graphically by the system.
- The user can confirm their space and make a quick online payment.
- It does not provide for the management of parking places to be done by humans.
- Cost-effective.

- The proposed system provides better information for the users of this system easily they can see the available slots and book from anywhere without facing any difficulty.
- The proposed system does not require any physical presence during booking.
- The proposed system has good authentication so only authorized person can able to login and book it.

SYSTEM ARCHITECTURE



HARDWARE REQUIREMENTS

- System : Pentium i3 Processor
- Hard Disk : 500 GB.
- Monitor : 15” LED
- Input Devices : Keyboard, Mouse
- Ram : 2 GB

SOFTWARE REQUIREMENTS

- Operating system : Windows 10.
- Coding Language : JAVA.
- Tool : Netbeans 8.2
- Database : MYSQL

Thank you