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Pay Park

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Abstract: *In recent years, malls containing a degree of retailers and restaurants flourished in cities everywhere around the globe. This concentration is the reason for issues in parking areas and traffic jams. This paper introduces a parking management system victimization mobile application to handle the png issues in malls. The contribution during the system is 2 folds. The hardware half that of tailored detector units supported a phototransistor with an Associate in Nursing infrared transmitter that's liable for determining infinite car parking zone is occupied or free. The units connect with a central controller wireless victimization Arduino micro-controllers with LAN shields. The central controller may be a server hosting an information accessible through the developed mobile application. The mobile application is developed victimization the Eclipse IDE and runs on the golem platform. It connects to the information victimization JSON (JavaScript Object Notation) format. The users measure ready to use this application after they enter the mall. They can find free parking areas, check the parking fees, find their cars, and even pay victimization through Mobile applications. An epitome of a parking mall is developed and tested. The practicality of the system is additionally tested and therefore the results square measure encouraging.*

Keywords: Parking, Reduce Traffic, Web Application

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