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(57) Abstract :  
 The present invention is related to the field of computer-implemented system (100) and method (300) for parking management and navigation. Specifically, it pertains to a system (100) and method (300) that utilizes real-time data, predictive techniques, and user-friendly interfaces (110) to efficiently direct a user (112) to available parking spaces. The invention combines elements of a data collection unit (210), a data processing unit (212), a user interface unit (214), a recommendation unit (216), and a navigation unit (218) to enhance the user (112) convenience, reduce parking congestion, and improve overall parking management. Furthermore, the proposed computer-implemented system (100) builds upon advancements in technology, such as the widespread use of mobile devices, Internet of Things (IoT) sensors, and cloud computing.

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