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Comprehensive Information System on Mobile Devices via Bluetooth Application Server

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ABSTRACT

Advantage of cell phones and their rapid progress on facilities and applications, made a technical trend to develop software implementations for this kind of systems. On the other hand, Java package with some efficient tools and products made it quite desirable for producers in a wide range of applications. In this paper the Bluetooth technology has been studied and its defects and premiums and security threats are investigated and compared with other technologies. Finally a comprehensive information system is designed, simulated and implemented based on cell phone communications. This system actually utilizes the Bluetooth technology to send and receive variety of packets such as data, image, and sound between computer and cell phone. These transferred data are then processes at the either sides and the revealed data is presented to the user. Wide 100 meter coverage has been considered for this system utilizing advanced automatic traffic management routines.

KEYWORDS

Information System, Bluetooth, JAVA, Mobile Phone

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