Abstract

The combined benefits of smart card to support mobility in a pocket coupled with the ubiquitous access of web technology, presents a new paradigm for medical information access system. The paper describes the framework of Java Card Web Servlet (JCWS) that is being developed to provide seamless access interface between a web browser and a Java enabled smart card. Importantly, the smart card is viewed as a mobile repository of web objects comprising of html pages, medical data objects and, record browsing and updating applet. As the patient moves between hospitals, clinics and countries, the mobility of the smart card database dynamically binds to the JCWS framework to facilitate a truly ubiquitous access and updating of medical information via a standard web browser interface.
- Fabian Ng and Chen Jen Tock "A Smart Card Medical System For The People With Disabilities," California State University Northbridge's 11th Annual International Conference, Technology and Persons with Disabilities, Los Angeles 19-23 March 96
- Seidman, S., 1996, Emerging markets, persistent problems: Smart cards have come a long way, but still have a long way to go, Report on Smart Cards, Dec. 1996, pp 3-5.

Index Terms

Computer Science  Emerging Trends in Technology

Keywords

Smart Card  Web  Medical  Health