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RESEARCH ARTICLE

Mobile Web Services Invocation System Using SMAP

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Abstract- This paper presents an experiment relative to the use of short message application protocol (SMAP) to provide framework for mobile applications accessing Web Services. Here author refer to the most common architecture used to invoke Web Services, where a client and a server exchange short message application protocol (SMAP) messages provided by short message service (SMS) technology. To guarantee the independence of the application from the type of communication channel used, the paper deals with the problem of designing a framework allowing a Java application to directly interface Web Services from a mobile device using a short message application protocol (SMAP). In this system author has developed an application server called SMS server to accept end user information via short message service (SMS), access that information for user from internet and send it back in form of short message service (SMS) messages. Application server is connected to internet to access user data and send this information to end user's mobile phone. Sending and receiving short message application protocol (SMAP) is done by SMS server.

Keywords - GSM modem; AT commands; smart phone; Short Message Service (SMS); web service; short message application protocol (SMAP).

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