

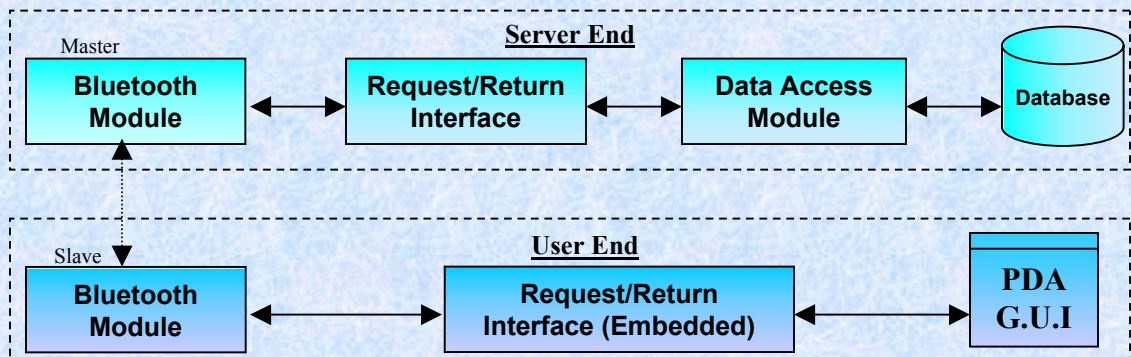
School of Electrical and Electronic Engineering
Network Technology Research Centre

BLUE DIRECTORY

This project relates to an application utilizing Bluetooth™ and ActiveX Data Object (ADO) to perform ad-hoc wireless data access. The concept is such that consumer can use Bluetooth-enabled handheld devices to easily access a database within a shopping mall. Information such as location of a particular store, items currently on sale, operating hours of the store, product type etc can be accessed through a standard G.U.I that resides on the handheld devices.



Using the upper layer of the Bluetooth™ protocol stack, the application interfaces communicate directly with the RFCOMM of the Bluetooth modules. This arrangement provide an RS-232 serial cable emulation for reliable data transfer between the server and user end. The Data Access Module performs the ADO operations of database connectivity and execute queries against the local data source. The desired results are packaged and sent to the requesting PDA managed by the application interfaces.



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