

Bluetooth-Based Mobile Ticketing Solution

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Abstract

Software applications have been taking over the market due to the accuracy that they provide and the possibility of integrating many separate services. In this paper, it is described a mobile application that integrates three different services: ticket acquisition, ticket validation and a customer guiding service. In this approach, one client-server SMS based architecture has been used for ticket acquisition, one client-server Bluetooth based architecture has been used for ticket validation and one SOAP accessible service for helping customers to travel. The mobile application is built on Android 2.1 platform. Issues regarding security, environmental situations and ticket checking have been treated. The application is designed to be user-friendly in order to be used by any customer.