“MOBILE APPLICATION FOR COLLECTION
RESERVATION IN RBTC”

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Abstract

Mobile application for collection reservation in RBTC (Ruang Baca Teknik Computer) is an application which is enable to its user (administrator, student, and lecturer) in reserving RBTC’s collection. Other than that, user can see the list of the collection, searching for collection, looking for the available of the collection, and if the collection that user’s want to borrow is available, there is reserving process to booking the collection. But if the collection is unavailable (been borrowed by other user), user can see when its due time for the collection until its available. This application will help the RBTC’s user in utilizing the facility on RBTC. This application applies J2ME for the application on the phone (mobile) and using SOAP (Simple Access Object Protocol) as a connector from the phone and the web server in RBTC. The preexistent RBTC’s database is used as a database on this application.

This application is running on the cell phone which supports J2ME technology with MIDP 2.1 as a client. Client sends a XML request to server database in RBTC to connect, and the server sends the XML response back to client. SOAP is the protocol to connect client and server. The client’s request could be searching collection, see the list of collection, and reserving the available collection. This application is capable to fulfill user needs in reserving process of collection in RBTC.

Keyword: J2ME, Reservation, SOAP, booking collection
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