

Reading_and_Editing_a_Contact_Item

Whenever a contact item is opened for editing, it is locked to prevent simultaneous edits from other clients of the Contacts Model and it remains locked until it is either committed or closed. Therefore, unless you wish to edit a contact item, the item should be opened as read only with the `CContactDatabase::ReadContactL()` or `ReadContactLC()` function. The following code shows how to read information from a contact, in this case the own card contact:

```
// Open the default contacts database:
CContactDatabase* contactsDb = CContactDatabase::OpenL();
CleanupStack::PushL(contactsDb);

// Get the ID of the own card and open the contact:
TContactItemId ownCardId = contactsDb->OwnCardId();
CContactItem* ownCard = contactsDb->ReadContactL(ownCardId);
CleanupStack::PushL(ownCard);

TInt count = ownCard->CardFields().Count();
contactsDb->CloseContactL(ownCard->Id());
CleanupStack::PopAndDestroy(); // ownCard
```

The following code example shows how to open a contact for editing. The fields within a `CContactItemFieldSet` are indexed and the index of a particular field may be obtained by calling the `CContactItemFieldSet::Find()` function with the UID of the field that you are searching for. In the following example, the index that represents the forename field of the contact is obtained and this is subsequently used to modify the text in the field. Once editing the contact has been completed, the changes can be committed to the database by calling the `CContactDatabase::CommitContactL()` function. The `CContactDatabase::CloseContactL()` function closes the contact without saving the changes.

```
ownCard = contactsDb->OpenContactL(ownCardId);
CleanupStack::PushL(ownCard);

TInt index = ownCard->CardFields().Find(KUidContactFieldGivenName);
ownCard->CardFields()[index].TextStorage()->SetTextL(KOtherForename);
contactsDb->CommitContactL(*ownCard);

CleanupStack::PopAndDestroy(2); // ownCard contactsDb
```

Internal Links

- [Adding a Contact Item](#)
- [How to use contact database](#)
- [Getting contact info from default database](#)

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