Archived:Get Manufacturer and Model number of the device using CTelephony

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Overview

CTelephonyReader implementation illustrates how to get Manufacturer and Model number of the device in S60 3rd Edition with CTelephony API.

The implementation is pretty simple, and when using this one only thing to do in calling class is to implement the callback interface and then to construct an instance of the CTelephonyReader.

Headers Required

```
#include <Etel3rdParty.h>
```

Library Needed

```
LIBRARY etel3rdparty.lib
```

Capability Required

```
Capability None
```

TelephonyReader.h

```
#ifndef __TELEPHONYREADER_h__
#define __TELEPHONYREADER_h__

#include <Etel3rdParty.h>
class MTelephonyObserver
{
public:
 virtual void GetPhoneId(const TDesC& aManufacturer,const TDesC& aModel) = 0;

};

class CTelephonyReader : public CActive
 {
public:
 static CTelephonyReader* NewL(MTelephonyObserver* aObserver);
 static CTelephonyReader* NewLC(MTelephonyObserver* aObserver);
```

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```
 void ConstructL(void);
 ~CTelephonyReader();
protected:
 void DoCancel();
 void RunL();

private:
 CTelephonyReader(MTelephonyObserver* aObserver);

private:
 MTelephonyObserver*    iObserver;
 CTelephony*      iTelephony;
 CTelephony::TPhoneIdV1   iPhoneIdV1;
 CTelephony::TPhoneIdV1Pckg  iPhoneIdV1Pckg;
};

#endif //__TELEPHONYREADER_h__
```

TelephonyReader.cpp

```
#include "TelephonyReader.h"

CTelephonyReader* CTelephonyReader::NewL(MTelephonyObserver* aObserver)
    {
    CTelephonyReader* self = NewLC(aObserver);
    CleanupStack::Pop(self);
    return self;
    }


CTelephonyReader* CTelephonyReader::NewLC(MTelephonyObserver* aObserver)
    {
    CTelephonyReader* self = new (ELeave) CTelephonyReader(aObserver);
    CleanupStack::PushL(self);
    self->ConstructL();
    return self;
    }


CTelephonyReader::CTelephonyReader(MTelephonyObserver* aObserver)
:CActive(0),iObserver(aObserver),iPhoneIdV1Pckg(iPhoneIdV1)
{
}

CTelephonyReader::~CTelephonyReader()
{
 Cancel();
 delete iTelephony;
}

void CTelephonyReader::ConstructL(void)
{
 CActiveScheduler::Add(this);

 iTelephony = CTelephony::NewL();
```

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```
 iTelephony->GetPhoneId(iStatus,iPhoneIdV1Pckg);

 SetActive();
}

void CTelephonyReader::DoCancel()
{
 iTelephony->CancelAsync(CTelephony::EGetPhoneIdCancel);
}


void CTelephonyReader::RunL()
{
 if(iStatus == KErrNone)
 {
  iObserver->GetPhoneId(iPhoneIdV1.iManufacturer,iPhoneIdV1.iModel);
 }
}
```

Example Code

- Example code

Related Link

- Archived:Get MCC MNC using CTelephony
- Archived:Get Operator Name using CTelephony

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