Archived:Saving an image captured using the Symbian Camera API

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Overview

This snippet demonstrates how to save an image which was captured using the Camera API (`ecam.lib`). The code is greatly simplified for the part of error handling and the actual image capturing. For more information on capturing an image, see the related code snippet Archived:Capturing an image using the Symbian Camera API.

MMP file

This snippet requires the following libraries:

```
LIBRARY efsrv.lib
LIBRARY eikcore.lib
```

In practice, however, also the following capabilities and libraries are required (to capture an image):

```
CAPABILITY UserEnvironment
```

```
LIBRARY ecam.lib
```

Source file

```
#include <EIKENV.H>  // CEikonEnv
```

```
/**
 * Symbian Onboard Camera API observer. Gets called after
 * CCamera::CaptureImage() is called.
 * @param aBitmap a pointer to a bitmap image if this was the format specified
 * @param aData a pointer to JPEG image data if this was the format specified
 * @param aError KErrNone on success or an error code on failure
 */
void CCameraEngine::ImageReady(CFbsBitmap* aBitmap, HBufC8* aData, TInt aError)
    {
    // TODO: Error handling

    // It is assumed here that before capturing the image format was set
    // to CCamera::EFormatExif, and that the device supports this format.
    // This means that the (EXIF JPEG) image data is contained in aData
    // argument.

    // Connect to the file server session and reserve a file for the image
    RFs& fsSession = CEikonEnv::Static()->FsSession();
    _LIT(KFilename, "C:\\Data\\Images\\image.jpg");
    RFile file;
    TInt frErr = file.Replace(fsSession, KFilename, EFileWrite);
    // TODO: Error handling

    // Write the image data to the file.
    TInt fwErr = file.Write(*aData);
    // TODO: Error handling
    }
```

Postconditions

The captured image is saved as `C:\Data\Images\image.jpg`.

See also

- Archived:Capturing an image using the Symbian Camera API
- S60 Platform: Camera Example with AutoFocus Support

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