

Facebook BlackBerry SDK v0.8.24

Last Updated: 2011-06-13

What's New in this version?

- Some bug fixes concerning the recent “silent” changes in the facebook Graph API.
- Implemented some workarounds concerning the recent changes to the facebook OAuth permission page.
- Implemented the logic to exchange the authentication code with the access token.

Introduction

This SDK is a sample BlackBerry application which seamlessly integrates with facebook using the facebook Graph API (formerly called "facebook connect"). It is an open-source project under MIT license, and it is completely free to use and/or distribute.

Features

- Connect to facebook using the facebook Graph API.
- Compatible with facebook OAuth 2.0.
- Simple and intuitive to use.
- Supports all BlackBerry devices with OS 5.0 or above.

Getting Started

1. Setting up the environment

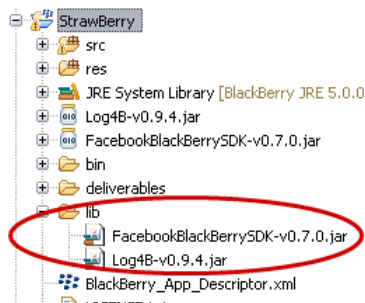
Firstly, you need to download the SDK from here:

<https://sourceforge.net/projects/facebook-bb-sdk/>

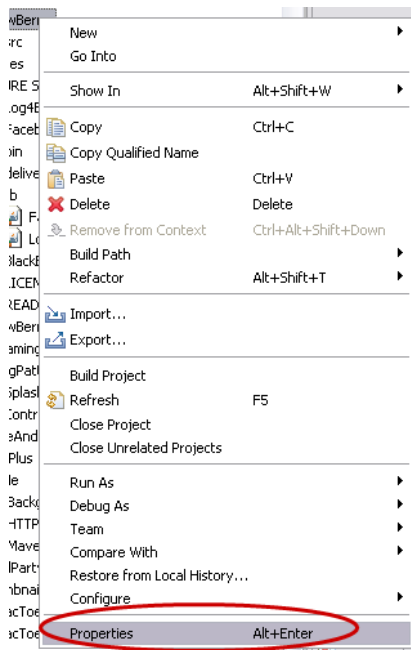
If you choose to download the “src” distribution, what you are downloading is a self-contained BlackBerry Java project which contains all the source files, and you are ready to build and test the project right away!

If you choose to download the “bin” distribution, what you are actually downloading is a few JAR files which you will have to import into your own project(s) as demonstrated in the steps below.

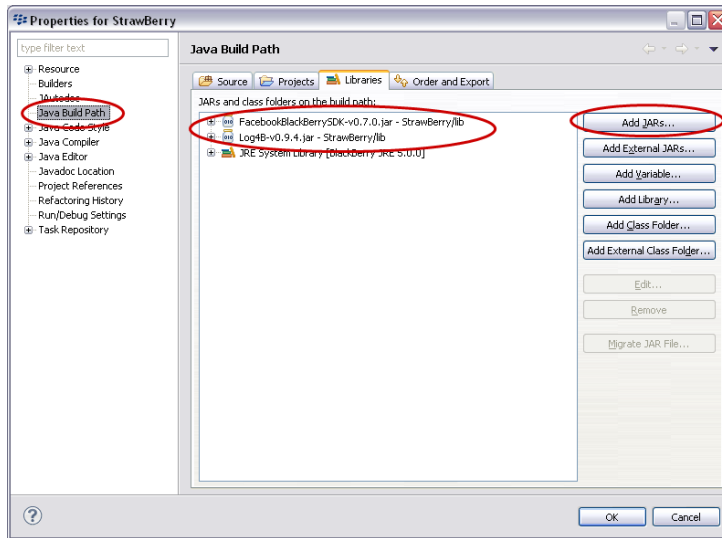
- a. Create a folder called “lib” (or whatever you want to call it) under your project, and copy the downloaded JAR files into that folder.



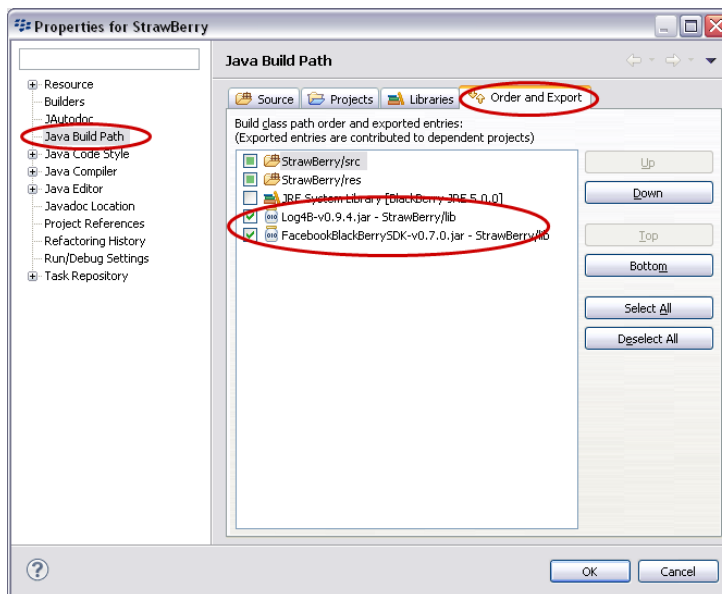
- b. Right-click your project > Properties



- c. Java Build Path > Libraries > Add JARs... > Choose the JAR files in the “lib” folder



d. Java Build Path > Order and Export > Check the JAR files



Secondly, make sure that you have a "facebook application" already set up on facebook (<http://developers.facebook.com/setup/>). Next, you have to get the Facebook facade object with the facebook credentials like this:

```
String NEXT_URL = "http://www.facebook.com/connect/login_success.html";
String APPLICATION_ID = "153555168010272";
String APPLICATION_SECRET = "354f91a79c8fe5a8de9d65b55ef9aa1b";
String[] PERMISSIONS = Facebook.Permissions.USER_DATA_PERMISSIONS;
```

```
ApplicationSettings as = new ApplicationSettings(NEXT_URL, APPLICATION_ID,
APPLICATION_SECRET, PERMISSIONS);
Facebook fb = Facebook.getInstance(as);
```

2. Interacting with facebook using the Graph API.

Examples:

To retrieve the current user (Synchronously):

```
User user = fb.getCurrentUser();
```

To retrieve the current user (Asynchronously):

```
fb.getCurrentUser(new BasicAsyncCallback() {

    public void onComplete(com.blackberry.facebook.inf.Object[]
objects, final java.lang.Object state) {
        user = (User) objects[0];
        // do whatever you want
    }

    public void onException(final Exception e, final
java.lang.Object state) {
        e.printStackTrace();
        // do whatever you want
    }

});
```

To publish the user's status:

```
user.publishStatus("Hello world!");
```

To retrieve the user's friends list:

```
User[] friends = user.getFriends();
```

To retrieve user's news feed:

```
Post[] posts = user.getFeed();
Post[] posts = user.getPosts();
Post[] posts = user.getHome();
```

To retrieve user's checkins:

```
Checkin[] checkins = user.getCheckins();
```

To checkin:

```
user.checkins(...);
```

To upload photo:

```
user.publishPhoto(...);
```

To post to user's wall:

```
user.publishPost(...);
```

To post to the user's friends' walls:

```
User[] friends = user.getFriends();

if (friends != null && friends.length > 0) {
    for (int i=0; i<friends.length; i++) {
        friends[i].publishPost(post);
    }
}
```

To retrieve a post's comments and all the liked users:

```
Comment[] comments = post.getComments();
User[] users = post.getLikedUsers();
```

References

BlackBerry Java Application Development:

<http://na.blackberry.com/eng/developers/javaappdev/>

Facebook BlackBerry SDK:

Project: <https://sourceforge.net/projects/facebook-bb-sdk/>

Subversion: <https://facebook-bb-sdk.svn.sourceforge.net/svnroot/facebook-bb-sdk>

Facebook for Mobile Apps:

<http://developers.facebook.com/docs/guides/mobile/>

Facebook Authentication:

<http://developers.facebook.com/docs/authentication/>

Facebook Extended Permissions:

<http://developers.facebook.com/docs/authentication/permissions>

Facebook Graph API:

<http://developers.facebook.com/docs/api>

Acknowledgement

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