

## Développement OS Bada Premier programme

Auteur : Ph. Lacomme



Etape 1.1. Inscription.

Utiliser le lien : <u>http://www.bada.com/</u>



Choisisser le bouton **DownloadNow**.

Ce qui vous donne accès à la page suivante :



Pour accéder aux ressources, vous devrez remplir les formulaires d'enregistrement et accepter les différents contrats utilisateur.



Après plusieurs minutes de saisie, vous recevrez un mail vous demandant de confirmez votre inscription comme développeur. Vous revevrez un mail de la forme.

developer@bada.com à moi	afficher les détails 21:13 (Il y a 17 minutes)	👆 Répo
Les images ne sont pas affichées. Afficher les images ci-dessous - <u>Toujours afficher les im</u>	ages de developer@bada.com	
Samsung		
bada		
Dear Phhilippe Philippe		
Welcome to bada Site. You have now been register	red as a member.	
Your information		
E-mail ID : philippe3263@gmail.com		
Password :		
Please click on the link below to activate your accou	unt.	
Click to activate your account.		
Thanks		
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Samsung bada provides an easy to use platform for applica application which can run on our products as a native appli international Samsung device customers and make a profit http://developer.bada.com	ation development. Any developer can get access to APIs and cation. Developers have the opportunity to address the needs able business from doing so.	develop the of millions
If you have any enquiries, please refer to the 'Contact Us' s	ection of the website or contact your account manager.	
This mail account is only for outgoing mail. All contents	copyright ⓒ Samsung Electronics Co., Ltd.	

Dans un même temps, votre Email sera associé à un Password généré par le système.

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Etape 1.2. Télécharger le kit de développement

Vous pourrez alors télécharger le kit de développement.

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bada SDK 1.0.0	· · · · · · · · · · · · · · · · · · ·			
	SDK Installer			
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Useful Information	Eilo Namo	tilo Sizo	(Updated on 19th Aug 2010)	
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	bada_SDK_1.0.0_Wave_LP2.zip	241,195,056 bytes	AC1EFB68C14ECA67E325F6F123F6A1C8	
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Vous obtiendrer un exécutable se présentant comme suit :



Lancez l'installation.



	License Agreement Please review the license terms before installing bada SDK 1.	0.
Press Page Down to see t	ne rest of the agreement.	
SAMS	UNG ELECTRONICS CO., LTD.	
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BEFORE YOU ("YOU" http://developer.bada.or THE TERMS AND CO DEVELOPMENT KIT I ACCESS TO AND USH	ACCESS AND/OR USE THE SDK AND <u>som/</u> ("DEVELOPER WEBSITE"), PLEASE READ ALL OF NDITIONS SET OUT IN THIS BADA SOFTWARE ICENSE AGREEMENT ("AGREEMENT") CAREFULLY. OF THE DEVELOPER WEBSITE AND SDK IS SUBJECT CONDITIONS SET FOR UNIT IN A GREEN JUNE	
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## 2. Créer un projet.

Etape 2.1. Lire la partie intitulée « The Way to Sell your application. »

http://developer.bada.com/apis/docs/commonpage.do?menu=MC01020000&mtb1=MTkxNz AyNTc2MzY1&mtb2=MTkxNzAyNjg5ODQ1



Dans cette partie, on apprend comment obtenir un fichier manifest.xml.





En pratique, choisir Generate a New Application Profile





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Notice   Privacy	Terms and Conditions   Sitemap	
Copyright© 2010 Sz	amsung Electronics Co., Ltd. All rights reserved.	
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Choisir comme nom : EssaiApp.

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Etape 2.2. Créer une application.

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bada SDK Root:	C:\bada\1.0.0	Browse
Model:	<pre>✓ Wave_LP1 ○ Wave_LP2 ○ Wave_LP3 ○ Wave_LP4</pre>	
	Description Supports the following languages: Basque, Bulgarian, Catalan, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, Galician, German, Greek, Hungarian, Icelandic, Irish, Italian, Kazakh, Korean, Latvian, Lithuanian, Macedonian, Norweign, Polish, Portuguese, Romanian, Russian, Serbian, Solvak, Slovenian, Spanish, Swedish, Turkish, Ukrainian	*
	< <u>B</u> ack <u>N</u> ext > <u>Finish</u>	Cancel

🗿 New bada C	++ project	
Device Cont Select the man	figurations nifest file with th <mark>e correct device configurations.</mark>	bada
Default mar	nifest file	
Manifest file:	C:\bada\1.0.0\Samples\Manifest.xml	Browse
Create a nev	w manifest file	
	< <u>B</u> ack Next > Finish	Cancel

New bada C++ project	
Auto-scaling Settings Mark on the checkbox to enable auto-scaling for your application. You	to an
must set a base resolution if the auto-scaling feature is turned on.	bad
🗖 Auto-scaling	
Base Resolution: 480x800 -	
Eachier auto scaling if you want your application LIT to be automatically.	
Enable auto-scaling if you want your application UI to be automatically the device resolution. You can simply develop the application UI using t resolution that you defined for the UI. If you want to handle the applicat	scaled to match he base ion UI for
Enable auto-scaling if you want your application UI to be automatically the device resolution. You can simply develop the application UI using t resolution that you defined for the UI. If you want to handle the applicat different device resolutions yourself, disable auto-scaling.	scaled to match he base ion UI for
Enable auto-scaling if you want your application UI to be automatically the device resolution. You can simply develop the application UI using t resolution that you defined for the UI. If you want to handle the applicat different device resolutions yourself, disable auto-scaling.	scaled to match he base ion UI for

New bac	la C++ project	
Basic Se	e <b>ttings</b> e basic properties of the project.	bada
Name: Vendor: Description	1:	
	< <u>B</u> ack <u>N</u> ext >	<u>Finish</u> Cancel

New bada C++ project	
Summary	bada
Project Name: EssaiApp	<u>^</u>
Toolchain: bada GCC ToolChain	
Selected Configurations: Simulator-Debug Target-Debug Target-Release	E
SDK: C:\bada\1.0.0	
Model: Wave_LP1	
Basic Settings: Entry: EssaiApp Name: EssaiApp Vendor: Description:	_
< Back Next >	<u>Finish</u> Cancel

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Faire **Project / Build All** et ensuite exécuter.

Vous devriez obtenir ceci au premier démarrage de l'émulateur :

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	Português
And a	Suomi
	Norsk
	Ελληνικά
	Türkçe
	Magyar
	Polski Next



## Et finalement



Etape 2.3. Créer une application plus évoluée

Faire un click droit sur **Res** et ajouter un **bada Ressource File**.

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A l'aide du GUI, créez votre propore interfacce :







	application.xml	💼 *EssaiA	pp.cpp	.c	EssaiAppEntry.	cpp	EssaiApp.h		Form[480x800]:	IDF_	FORM1	×
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Ceci permet d'obtenir les fichiers .cpp et .h.

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✓ Button ✓ EditArea		



Ouvrir le fichier EssaiApp.cpp et modifier la procédure **OnAppInitializing** comme suit :

```
bool
EssaiApp::OnAppInitializing(AppRegistry& appRegistry)
{
        // TODO:
        // Initialize UI resources and application specific data.
        \ensuremath{\prime\prime}\xspace // The application's permanent data and context can be obtained from the appRegistry.
        // If this method is successful, return true; otherwise, return false.
        // If this method returns false, the application will be terminated.
        // <u>Uncomment</u> the following statement to listen to the screen on/off events.
        //PowerManager::SetScreenEventListener(*this);
       Form1 *pForm1 = new Form1();
        pForm1->Initialize();
       Frame *pFrame = Application::GetInstance()->GetAppFrame()->GetFrame();
        pFrame->AddControl(*pForm1);
        pFrame->SetCurrentForm(*pForm1);
        pFrame->RequestRedraw();
        return true;
```

Le debut du programme doit comporter un using namespace sur Controls comme ceci :

using namespace Osp::App; using namespace Osp::Base; using namespace Osp::System; using namespace Osp::Graphics; using namespace Osp::Ui::Controls;

A l'exécution, on obtient:



Etape 2.4. Modifier l'interface en ajoutant deux zones d'affichage



Modifier le fichier Form1.h comme suit :



Ouvrir le fichier Form1.cpp et modifier le début du fichier :

static const int BUTTON\_ACTION\_GREET = 1;

Ouvrir le fichier Form1.cpp et modifier la méthode OnInitializing.

```
result
Form1::OnInitializing(void)
{
    result r = E_SUCCESS;
    // TODO: Add your initialization code here
    bouton = static_cast<Button*>(GetControl(L"IDC_BUTTON1"));
    bouton->SetActionId(BUTTON_ACTION_GREET);
    bouton->AddActionEventListener(*this);
    return r;
}
```

```
void
Form1::OnActionPerformed(const Control& source, int actionId)
{
      // TODO: Add your implementation codes here
      switch (actionId) {
             case BUTTON_ACTION_GREET :
             contextArea = static_cast<EditArea*>(GetControl(L"IDC_EDITAREA1"));
             contextArea->AddActionEventListener(*this);
             contextArea->AppendText("bonjour");
             contextArea2 = static_cast<EditArea*>(GetControl(L"IDC_EDITAREA2"));
             contextArea2->AddActionEventListener(*this);
             contextArea2->AppendText("Philippe");
             contextArea->RequestRedraw();
             contextArea2->RequestRedraw();
             break;
             default:
               break;
             }
```

Ouvrir le fichier Form1.cpp et modifier la méthode OnActionPerformed.

On obtient à l'exécution :



Etape 2.5. Géolocaliser un téléphone

Il vous faudra utiliser les namespaces suivant :

```
using namespace Osp::Locations;
using namespace Osp::Locations::Controls;
using namespace Osp::Locations::Services;;
```

Bada propose des facilités pour la conversion des entiers en string, des réels en string. Voici un exemple :

```
Float floatNumber;
String yourString;
floatNumber = 12.23;
yourString = floatNumber.ToString();
```

----- FIN ------