

**Following are some questions asked during the developer day ,conducted on 16<sup>th</sup> Sep 2011 at Bangalore, India.**

**RoadMap:**

**1)** Any plans to enter into enterprise apps like blackberry ?

**A:** Yes. We are working on.

**2)** Any plans for migration of J2ME to bada?

**A:** Not yet. But we will consider it, if it is needed by the developers.

**3)** When can we expect more Indian languages to be supported in bada? Currently not many languages are supported.

**A:** We shall consider this feedback for our future plan.

**4)** Like in HTC and other phones does Samsung plan to support hardware BACK key? Currently only Soft Back key is supported. Does App need to handle anything or framework will handle?

**A:** Soft Back key is an inbuilt feature. The app developer need not handle the functionality. Framework handles the soft Back key functionality.

**5)** Is there a plan for dual SIM phone with bada?

**A:**We may take it up in the future , but there is no immediate plan.

**6)** Dual SIM is important and popular mobile feature for India and China. Request to think about dual SIM bada variant model for this region.

**A:** We have taken a note of your feedback request.

**7)** Are all the modes of NFC supported?

**A:** Currently we support only Read/Write mode in bada. However card emulation mode is supported by J2ME SDK of Samsung.

**8)** Which all models will have NFC feature?

**A:** Wave M, Wave Y shall support, but it depends on Carrier's choice

**9)** Few developers had confusion if Samsung was promoting bada or Android. Also, there were no updates after 1.2, I guess a long gap

**A:** The 2.0 upgrade for Wave devices will be available from 4Q (starting Europe) in different countries gradually

**10)** Does Samsung have any plan to release more QWERTY bada models in future? If not then request is to consider the same.

**A:** No immediate plan . But we have taken a note of this feedback request.

**11)** Any plan for supporting Indian languages in bada models? The request is to support more Indian languages in bada global models and also Indian variant bada model with support of more Indian languages.

**A:** We have taken note of your request.

**12)** What are the different testing tools available for bada app developer?

**A:** We have various tools like unit test framework, profiler, Performance Analyzer, RTL (remote test lab) etc. In addition, Mr. Dipesh invited app developers to contact Samsung India R&D center and visit the device lab, in order to test and experience their apps on different Samsung devices

**13)** IOS and Android have moved to tablets. Can we expect a bada tablet?

**A:** bada is designed to be more suitable for smart phones. A tablet on bada is not planned for the moment.

#### **Apps/Certification/Billing:**

**1)** How much percentage of revenue is generated from AD Gateway?

**A:** Full amount that is paid to developer is generated by Ad networks.

**2)** How much profit developer can expect?

**A:** The profit is proportional to the number of downloads of the application, R/S between the developers and Ad Network depends on the Ad Network which the developer selects.

**3)** Advertisements for gambling, adults which is provided through Ad Gateway can be exposed.

**A:** Taken a note of your feedback.

**4)** Are there any restrictions on advertisement?

**A:** The advertisements are filtered by Ad networks. The filtering policy differs between each ad network. Please visit each ad network site to check the policy.

**5)** What is the supported billing method?

**A:** Credit Cards, Operator Billing are supported.

**6)** Why the app certification is slower in bada? With Android it is almost instant , while bada takes almost 7 working days.

**A:** We do our best effort for you and market. As for ref. Android has no certification process, which means Samsung Apps has mostly qualified applications.

**7)** Is currency localized for In App billing?

**A:** We support local currency for In App purchases from 2.0 onwards by introducing operator billing.

**8)** Does bada flash and Java Script support In App billing?

**A:** We currently do not support.

**9)** The price set for an app in one currency gets automatically converted into other currencies or there is a provision to configure it on a country to country basis.

**A:** Yes the price set for an app is changeable on a country to country basis.

**Support:**

**1)** What is the schedule for firmware update?

**A:** The firmware update will be done by the end of the fourth quarter.

**General:**

**1)** Which standard DBMS is used in bada?

**A:** We support SQLite-compatible DB.

**2)** Is there any way I can share the apps to be installed on other device without certification? Say, I want to test one application before certification, which I developed for 100 employees within my company?

**A:** We suggest you to use test kit for your purpose.

**3)** Are there any porting guidelines for porting apps from iOS or Android?

**A:** Please check <http://developer.bada.com/article/Porting-guide-for-other-mobile-platform-developers>

**4)** What kind of underlying communication is used in bada for Try & Play/Rent & Play concept.

**A:** It will use the general data communication for internet connectivity, based on chosen bearer(3G/Wi-Fi.)

**Performance/Debugging/Emulator/SDK:**

**1)** What will be the impact on bada devices after upgrading to 2.0 version. Will it be good or bad w.r.t features and performance changes?

**A:** Yes, it will be good. We recommend you to upgrade your bada phone to bada 2.0 if it is available.

We plan to provide firmware upgrades for all wave devices. However, in case of models with different hardware architecture, firmware compatible to the device specifications will be provided accordingly.

**2)** Does performance of a PC running the IDE affect the performance of App that runs on the emulator?

**A:** Yes.

**3)** Is Function trace available on Performance Analyzer?

**A:** It is possible to check Call stack view of Performance Analyzer.

#### Call Stack

The Call Stack view displays the order in which methods are called for the application, with the latest called method always at the top. In addition to the method names, the view displays the memory locations of the methods.

To show the call stack details, click the Preferences button, go to **Performance Analysis -> Callstack**, and select the call stack items you want to show in the CallStack view.

**4)** What OSs are supported by SDK?

**A:** Windows only.

#### **System:**

**1)** Is there any API to get the status of USB insertion/removal?

**A:** Yes. Please check "Device Accessory Management" in <http://developer.bada.com/library/help> (bada documentation)

**2)** Is there any API to profile the performance of OpenGL draw APIs?

**A:** You can use `Osp::System::SystemTime::GetTicks ( long long & ticks )` for this purpose.

#### **UI:**

**1)** How to execute app on multiple resolution devices?

**A:** Please check <http://developer.bada.com/article/Migration-Guide-for-bada-Applications>

**2)** How to implement a Horizontal scrollable Tab bar in bada?

**A:** Please check <http://developer.bada.com/article/An-overview-of-Layout-management-in-bada-2-0>

**3)** Is it possible to disable the left side expand button in Expandable List Item in 1.2?

**A:** If you mean right side expand button, it cannot be done in 1.2. Please check bada 2.0 listView for that purpose.

**4)** Is it possible to hide actual text entered for Passwords in Edit Field?

**A:** Yes, you can set keypad style as "password".

**5)** When the app needs to show a list of items downloaded from some server and network connectivity is slow, how should the list be implemented?

**A:** Please check listView in bada 2.0.

**6)** Different resolutions like HVGA, WVGA are supported. The changes in manifest file for all apps will be taken care by Samsung or the individual developer? If app developer needs to take care, then is it overburden for the developer?

**A:** Please check <http://developer.bada.com/article/Migration-Guide-for-bada-Applications>

**7)** Is there any limitation for character count or line count on *ExpandableEditArea*?

**A:** When *ExpandableEditArea* is constructed, the maximum number of lines can be specified and the *ExpandableEditArea* can be expandable to specified size. The size is increased towards the bottom.

**8)** What is the usage of Key Frame animation features ?

**A:** Animation can be used in various parts.

Controls or arbitrary value can be animated.

Generally animation can be used to create a brilliant UI.

### **Base:**

**1)** Is there a way to zip and unzip nested folders? (Tried on 1.2 and not possible)

**A:** In bada 2.0, bada supports file zipper(See `Osp::Base::Utility::FileZipper`). But this utility is file based and so can't be used to zip a folder.

**2)** Which Unicode formats are supported?

**A:** We support UTF-8.

### **Framework:**

**1)** Can multiple apps be launched simultaneously?

**A:** Yes with 2.0 multiple apps can be installed and launched simultaneously.

**2)** From the perspective of the existing 1.2 App, what should be considered for multitasking?

**A:** Existing 1.2 App is follows previous multitasking policy.

That is one bada App + multiple Native App.

For existing application to enable multitasking, the application should use 2.0 API and enable the multitasking option.

### **Security:**

**1)** w.r.t security, what kind of security standards are followed to protect sensitive data communication? What standards are followed to encrypt java code in case of bada.

**A:** We use standards like SSL3.0 and encryption standards like AES.

### **Content:**

**1)** Is streaming more than session supported w.r.t HTTP/RTSP streaming

**A:** More than one streaming session is supported. The audio will be mixed.

But only one video is supported.

### **Communications:**

**1)** How to retrieve composed message/already sent message (along with text and recipient numbers) to reuse it.

**A:** You can search inbox/outbox of sms. Please see API ref. `Osp::Messaging::SmsManager`

**2)** In card emulation mode (one of the 3 modes of NFC), the secure element will be present in the SIM?

**A:** bada doesn't support card emulation mode APIs. It is supported via J2ME

**3)** To create an Spam SMS blocking app, we need to filter spam messages and control SMS folders. Is such support there.

**A:** Currently there is no provision to filter incoming sms. However searching SMS inbox is possible.

**4)** NFC card Emulation mode. Currently it is supported only for J2ME apps and not for bada app. Request is to enable the same through bada APIs.

**A:** Keeping in mind the security considerations, currently we are supporting card emulation mode via J2ME environment.

**5)** Does Wi-Fi Direct feature need special hardware?

**A:** Yes, Wi-Fi Direct depends on hardware chipset to some extent in terms of speed and memory.

**6)** Is AP needed for Wi-Fi Direct?

**A:** Wi-Fi Direct device has soft AP inbuilt into it. So an external physical AP will not be needed.

**7)** Is there limitation of push message number?

**A:** TPS and Daily request is decided based on App description which is required when applying for Push service.

**8)** Is Zero Configuration Networking supported on device?

**A:** No, we don't support it at this moment.

### **Location:**

**1)** Cell Ids and other raw info from system needs for location based apps.

Will bada expose those?

**A:** No, at the moment there is no plan to expose such APIs.

**2)** Acquiring GPS coordinates takes 5 to 10 minutes when compared to Ios or Android. How to improve speed?

**A:** Our quality control mandates a maximum of 40 seconds in the open skies, for acquiring the first position(cold start time).In addition our location engine is aided by information from servers via packet switched connection. Even Wi-Fi aids in getting the 1<sup>st</sup> fix of location. So as far as we understand, it is not platform issue. To some extent it depends upon the network too. However our development team shall probe more into this.

**Web:**

**1)** Are downloadable CSS fonts supported in bada?

**A:** Currently we do not support CSS fonts. However applications can use custom fonts in embedded format.