Running Sample Application using NetBeans IDE

Version 0.9, Draft

INFORMATION GUIDE

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About This Document

This document describes how to run a sample Java ME application using NetBeans IDE.

Scope:

This document is intended for Java developers wishing to develop Java ME applications. It assumes that Java Development Kit (JDK) and Samsung SDK 1.1 are installed on the user computer.

Document History:

Date	Version	Comment
02/02/09	0.9	Draft

References:

1. NetBeans:

   http://www.netbeans.org/kb/55/import-mobility.html

Abbreviations:

Java ME	Java Micro Edition
MIDP	Mobile Information Device Profile
IDE	Integrated Development Environment

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Introduction

NetBeans is an Integrated Development Environment (IDE), which can be used for developing, testing, and debugging Java ME applications. This document explains how to run WMADemo as sample Java ME application by showing how to open project, how to select Samsung emulators and how to run the WMADemo sample Java ME application using NetBeans IDE along with Samsung SDK.

Running WMADemo sample application is demonstrated by using NetBeans IDE 6.1 here.

Running WMADemo using NetBeans Mobility pack

In order to run WMADemo Sample Application using NetBeans IDE along with Samsung SDK, follow the steps mentioned below:

Step1: Go to Start > All Programs > NetBeans > NetBeans IDE 6.1 to launch NetBeans IDE as shown in Figure 1. In NetBeans IDE, go to File > New Project as shown in figure 1.

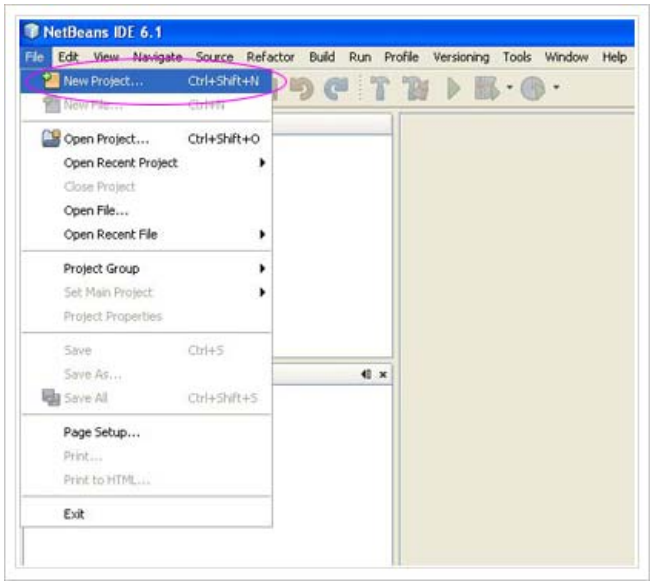

Figure 1: New Project

Step2: "New Project" dialog box appears. Select Mobility under 'Categories'. Select Import Wireless Toolkit Project under 'Projects' as shown in figure 2. Click Next > button to continue.

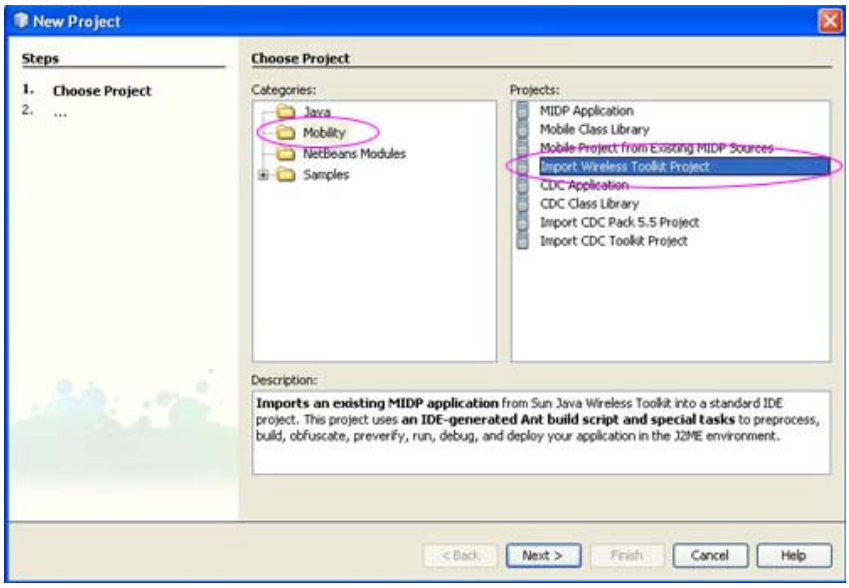

Figure 2: Choose Project

Step 3: "Specify WTK Project" dialog box appears. Go to 'WTK Location' and click Browse... button to select Samsung SDK 1.1. Select WMADemo project under 'Detected Applications' as shown in figure 3. Click Next > button to continue.

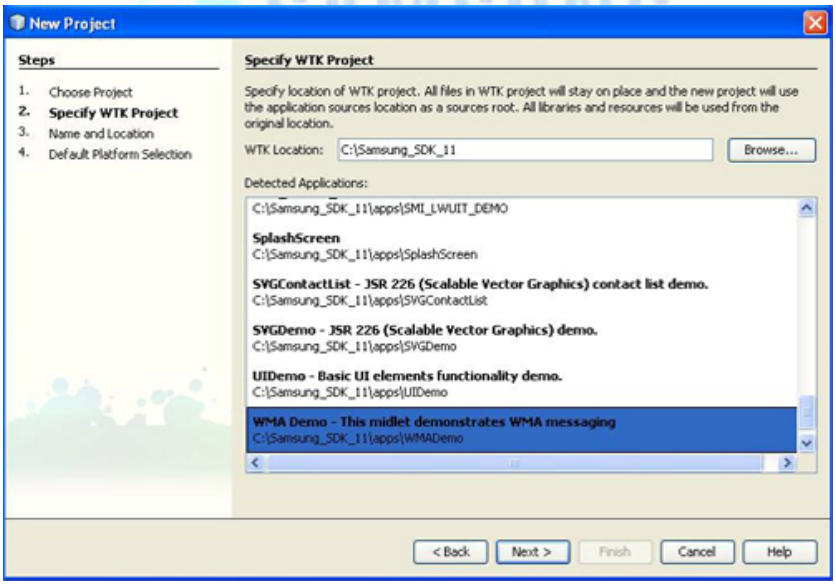

Figure 3: Specify WTK Project

Step 4: "Name and Location" dialog box appears as shown in Figure 4. To change the 'Project Location' click Browse... button. To set the project as main project, leave the 'Set as Main Project' check box checked. Click Next > button to continue.

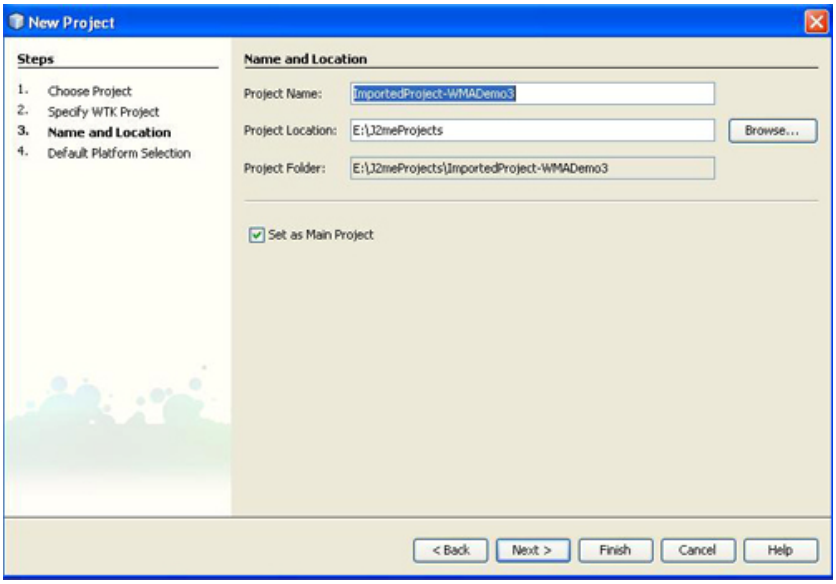

Figure 4: Name and Location

Step 5: "Default Platform Selection" dialog box appears as shown in Figure 5. Use Select Samsung SDK 1.1 For the Java ME Platform in 'Emulator Platform' drop down box. Select appropriate emulator in 'Device' drop down box, Select appropriate 'Device Configuration', and appropriate 'Device Profile' as shown in figure 5.

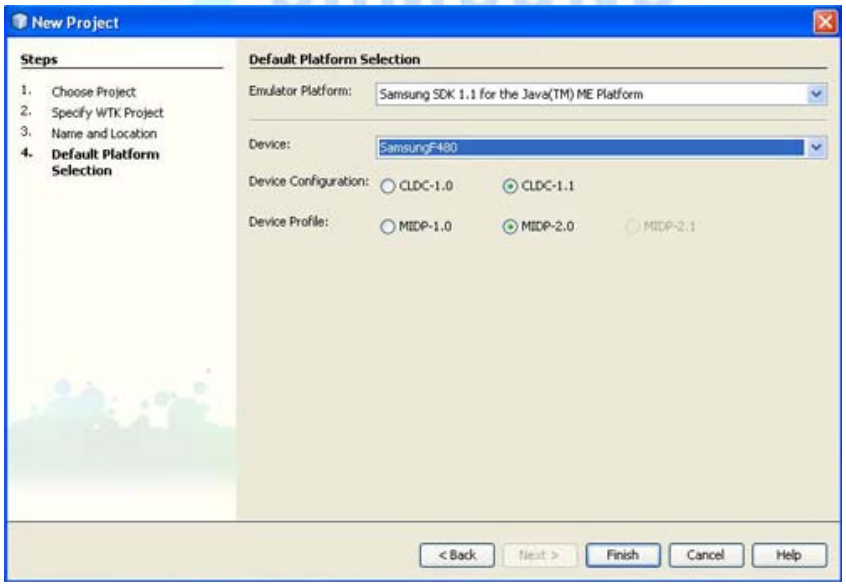

Figure 5: Default Platform Selection

Step 6: After clicking Finish button, NetBeans IDE is added with WMADemo project under Projects. Right-click the project node in the Projects tab, and choose 'Run' option as shown in figure 6.

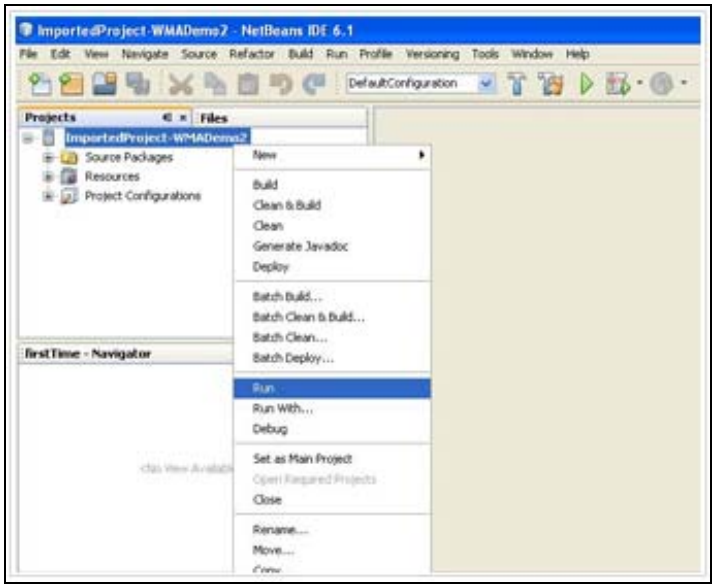

Figure 6: Run Project

Step 7: Samsung Device emulator appears showing WMADemo as shown in figure 7.

Figure 7: Samsung Device Emulator with WMADemo

Step 8: Click on Launch [Command] to launch the SMS Receive MIDlet as shown in figure 8.

Figure 8: Launch Receiving MIDlet

Step 9: Now the emulator is in listening mode for Incoming (receiving) Message on specified port as shown in figure 9.

Figure 9: Waiting for Incoming SMS

Step 10: Repeat action from step 6 to open one more emulator for sending SMS. Click on Launch [Command] to start SMS Send MIDlet as shown in figure 10.

Figure 10: Launch Sending MIDlet

Step 11: Type destination address of Receiving Emulator and Select OK [command] as shown in Figure 11. Receiving Emulator is the one shown in Step 9. Emulator Address is located on the emulator window. Each Emulator has a unique address that signifies the mobile number. E.g. here '555 555 5555' is the address of Receiving Emulator.

Figure 11: Destination Address for SMS

Step 12: Type in the Message box as shown in Figure 12 and Select OK [command].

Figure 12: SMS Text

Step 13: Click on Menu [Command] as shown in figure 13 then click Send [Command] as shown in Figure 14. This will send the message to the receiving emulator.

Figure 13: Select Menu

Figure 14: Sending SMS

Step 14: Receiving Emulator as shown in Step 9 is waiting for the incoming message. On receiving message, it will display the received message and number as shown in Figure 15. E.g.'5555555556' is the Sending Emulator number here.

Figure 15: SMS Received

After understanding how to run WMADemo sample Java ME application using NetBeans IDE along with Samsung SDK, you are ready to develop your Java ME application using NetBeans IDE along with Samsung SDK. For more help, go to Java Knowledge Base of Samsung Mobile Innovator site.