Running Sample Application Using Eclipse IDE

Version 0.9, Draft

INFORMATION GUIDE

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About This Document

This document describes about how to create sample Java ME application using Eclipse IDE integrated with Samsung SDK.

Scope:

This document is targeted for Java developers intended to develop Java ME applications (MIDlet). It assumes that Java Development Kit (JDK), Java ME plug-in in Eclipse IDE, and Samsung SDK 1.1 are installed on the user computer.

Document History:

Date	Version	Comment
02/02/09	0.9	Draft

References:

To know more about eclipse installation, launching and integrating eclipse IDE with Samsung SDK, refer to the Knowledge Base under Samsung Mobile Innovator.

Abbreviations:

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

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Introduction

Eclipse is an Integrated Development Environment (IDE), which can be used for developing, testing, and debugging Java ME applications. This document explains how to create and run a sample Java ME application using Eclipse IDE along with Samsung SDK.

Note	Running sample application is demonstrated by using Eclipse SDK 3.4.1 here.

Running Sample Application using Eclipse IDE

In order to create and run a Sample Application using Eclipse IDE along with Samsung SDK, follow the steps mentioned below:

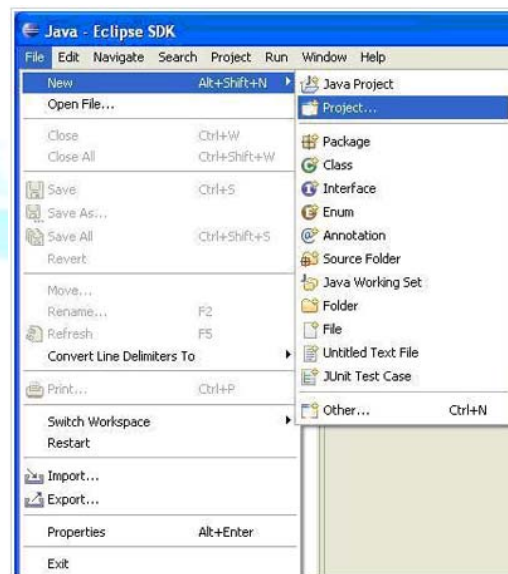**Step1:** Go to File > New > Project Menu to create a new Java ME Project as shown in Figure 1.

Figure 1: New Project

Step 2: After clicking Project option, "New Project" window appears as shown in Figure 2. It shows numbers of wizards expand J2ME node and click 'J2ME Midlet Suite'. Click Cancel button, to close the "New Project" window.
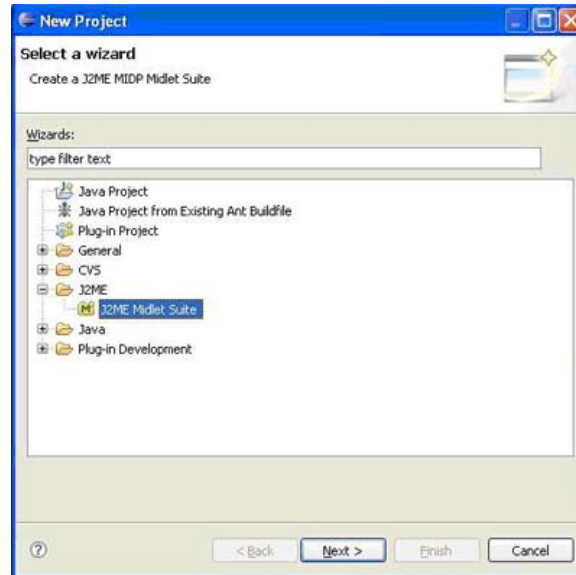
Figure 2: Creating J2ME MIDlet

Step 3: After clicking [Next >] button, "New J2ME Project" window appears as shown in Figure 3. Type in the project name under 'Project name'. Click [Browse...] button to select location for the project. To select the default location, click on 'Use default location' check box.
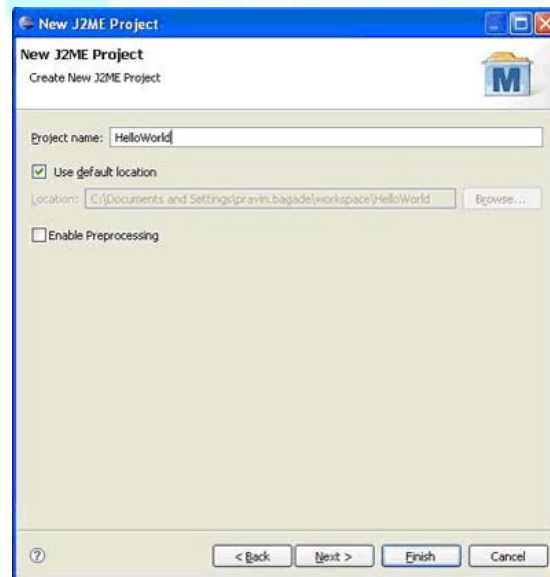

Figure 3: New J2ME Project window

Step 4: After clicking [Next >] button, "MIDlet Suit Properties" window appears as shown in Figure 4. User can check and change the 'Device' & 'Group' field.
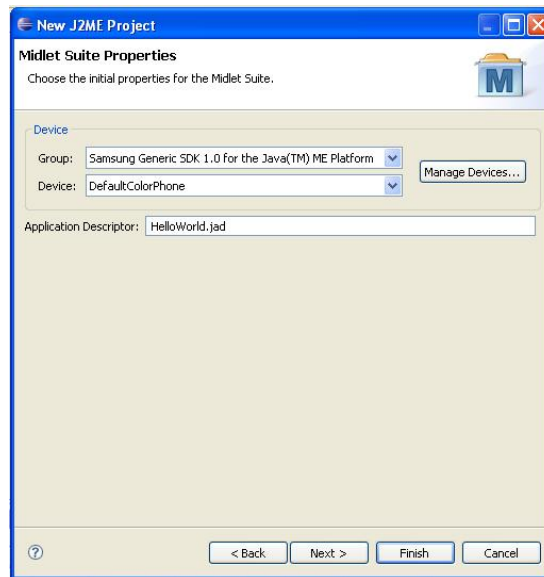
Figure 4: MIdlet Suite Properties

Step 5: After clicking [Next >] button "Java Setting" window appears as shown in Figure 5 or click on [Finish] button to finish the project setup.
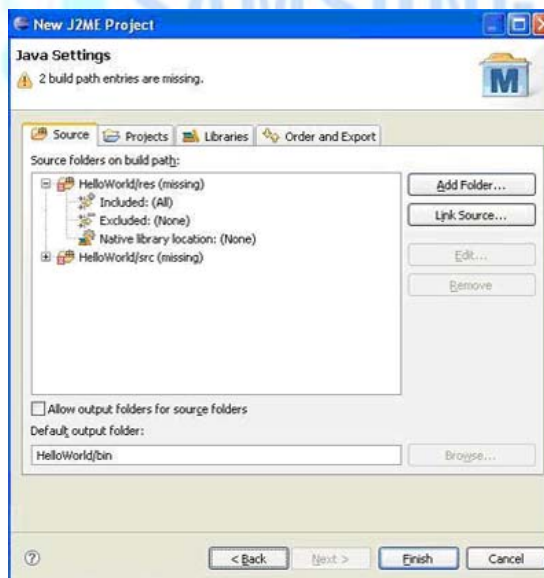

Figure 5: Java Settings window

Step 6: After clicking [Finish] button, "Package Explorer" appears as shown in Figure 6. 'Package Explorer' shows the project structure. Right-click on the project and go to New > Other option to create J2ME MIDlet.
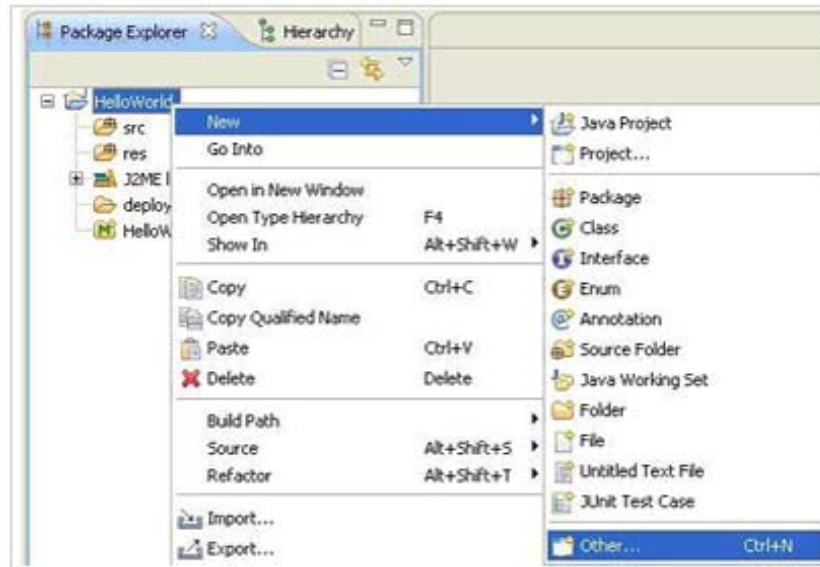
Figure 6: Package Explorer

It will open the New window for creating a Java ME MIDlet. Select the J2ME Midlet option by expanding 'J2ME' node as shown in figure 7. Click ⬚Finish⬚ button to close the New window.
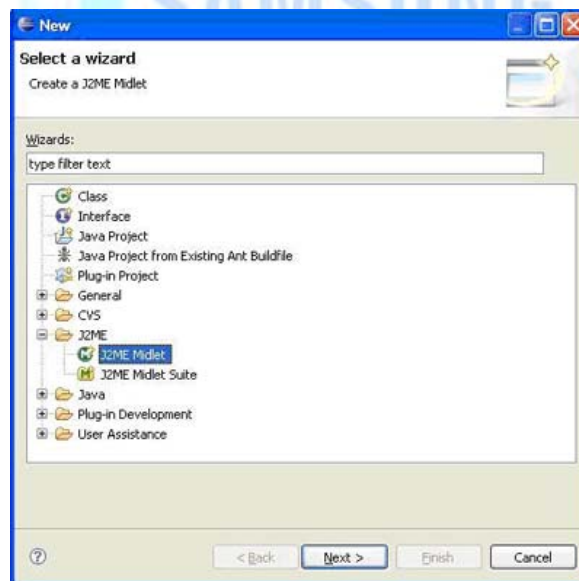

Figure 7: Select a Wizard window

Step 7: After clicking ⬚Next >⬚ button, "J2ME Midlet" window appears as shown in Figure 8. It contains MIDlet related information field. Fill in the required field as per the project and click ⬚Finish⬚ button to apply the changes on MIDlet.
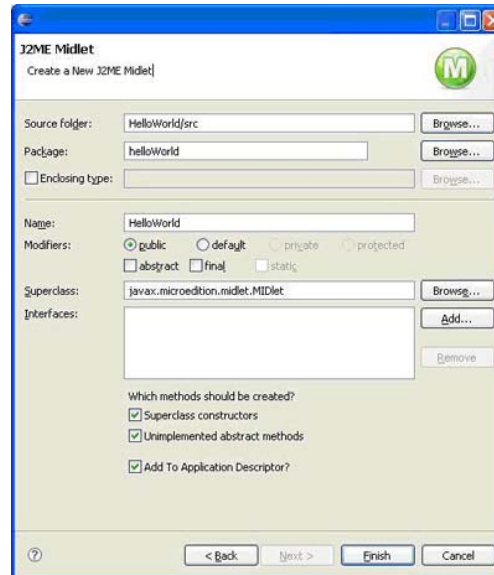
Figure 8: Java ME MIDlet window

Step 8: After clicking [Finish] button, Eclipse IDE main window appears. Eclipse IDE window shows the "Package Explorer" as shown in Figure 9.

Figure 9: Package Explorer

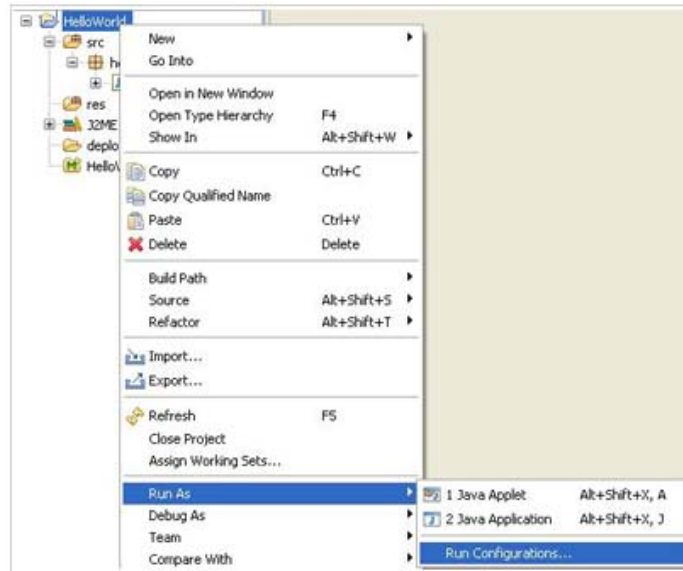Right-click on the created project to run the application. Go to Run As > Run Configuration as shown in Figure 10.

Figure 10: Run Configuration

Step 9: After clicking on 'Run Configuration' option it will open the "Run Configurations" window as shown in figure 11. Select the 'Wireless Toolkit Emulator' to run J2ME application. It will show MIDlet related properties to user, click on Browse... button to select the Project. Click on Search button to select the MIDlet. To apply selected setting to project click on Apply button, finally to run the application click on Run button.
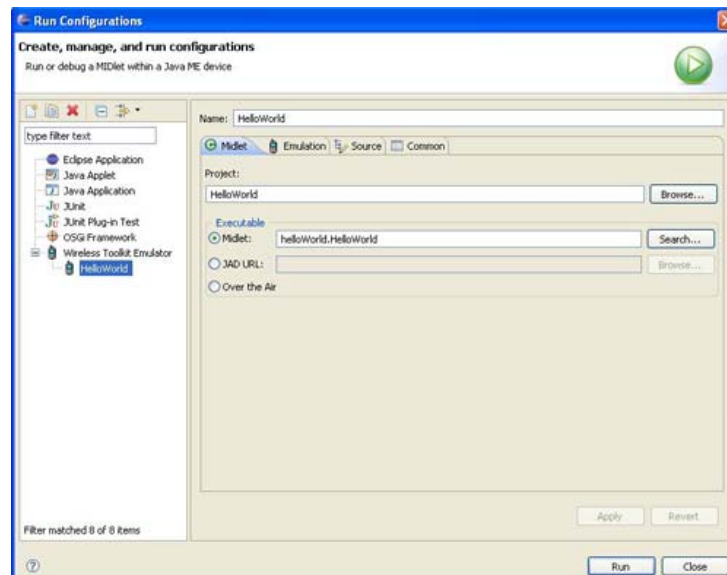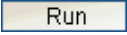

Figure 11: Create Configuration

After clicking [Run] button, it will invoke the selected emulator as shown in Figure 12..

Figure 12: Emulator

Congratulations! Sample application using eclipse IDE is done.

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