Making a phone call programmatically using platformRequest() in Java ME

Overview

This snippet demonstrates how to make a phone call by using a platform request. The MIDlet constructs a menu item through which the user can call the specified number. After the platform request has been made, the user is prompted whether he or she wants to make a voice call, a video call, or an Internet call.

Source

```
import javax.microedition.io.ConnectionNotFoundException;
import javax.microedition.lcdui.Command;
import javax.microedition.lcdui.CommandListener;
import javax.microedition.lcdui.Display;
import javax.microedition.lcdui.Displayable;
import javax.microedition.lcdui.Form;
import javax.microedition.midlet.MIDlet;
```

```
public class ExampleMIDlet extends MIDlet implements CommandListener {
    private Command callCommand;
    private Command exitCommand;
    private Form mainForm;

    // The phone number to call
    private final String PHONE_NUMBER = "123456789";

    /**
     * Constructor. Constructs the object and initializes displayables.
     */
    public ExampleMIDlet() {
        mainForm = new Form("ExampleMIDlet");

        callCommand = new Command("Call", Command.SCREEN, 0);
        mainForm.addCommand(callCommand);

        exitCommand = new Command("Exit", Command.EXIT, 0);
        mainForm.addCommand(exitCommand);

        mainForm.setCommandListener(this);
    }

    /**
     * Calls the specified number.
     */
    private void call(String number) {
        try {
            platformRequest("tel:" + number);
        } catch (ConnectionNotFoundException ex) {
            System.out.println(ex.getMessage());
        }
    }

    /**
     * Called when the MIDlet is started.
     */
    public void startApp() {
        Display.getDisplay(this).setCurrent(mainForm);
    }

    /**
     * Called when MIDlet is paused.
     */
    public void pauseApp() {
    }

    /**
     * Called to signal the MIDlet to terminate.
     *
     * @param unconditional if true, then the MIDlet has to be unconditionally
     * terminated and all resources has to be released.
     */
    public void destroyApp(boolean unconditional) {
    }

    /**
     * From CommandListener.
     * Called by the system to indicate that a command has been invoked on a
     * particular displayable.
     * @param command the command that was invoked
     * @param displayable the displayable where the command was invoked
     */
    public void commandAction(Command command, Displayable displayable) {
        if (command == callCommand) {
            call(PHONE_NUMBER);
        } else if (command == exitCommand) {
            // Exit the MIDlet
            destroyApp(true);
            notifyDestroyed();
        }
    }
}
```


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Postconditions

The user can select `Call` to call the specified number. He or she may also select whether the call should be a voice call, a video call, or an Internet call.

See also

- Archived:Making a phone call using TextField in Java ME

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