



When working with TextField items, it is often useful to be automatically notified when the TextField content changes (e.g.: to implement an autocomplete field, or some sort of automated filter for a list of other Items).

## Source code

You must use the **ItemStateListener** interface and register the listener to the form. The easiest way is to implement **ItemStateListener** on the form that contains your *TextField* and put your code into the *itemStateChanged* method.

```
class MyClass extends Form implements ItemStateListener
{
    public MyClass()
    {
        setItemStateListener(this);
    }

    public void itemStateChanged(Item item)
    {
        ...
    }
}
```

Another approach would be to create an anonymous class and register it with the form:

```
public class MyClass extends MIDlet
{
    public void startApp()
    {
        Form form = new Form("My Test");
        // an anonymous class
        ItemStateListener listener = new ItemStateListener()
        {
            public void itemStateChanged(Item item)
            {
                // do something
            }
        };

        // register for events
        form.setItemStateListener(listener);
        ...
        display.setCurrent(form);
    }
}
```

## Download

You can download a MIDlet showing the code presented in this article here:

[Media:TextFieldItemStateListenerMIDlet.zip](#)

How\_can\_I\_find\_out\_when\_the\_value\_in\_the\_TextField\_has\_been\_changed?

## Related resources

- [TextField on Java ME Developer's Library](#)
- [ItemStateListener JavaDocs](#)
- [TextField JavaDocs](#)