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Sometimes you need additional methods in your UI factory, e.g., create custom controls or preconfigure existing controls.

The UI factory is one of the first classes that is instantiated from a launcher. If you need a custom factory, use an application parameter to configure it.

A custom factory:

CustomSwingFactory.java

```
package apps.firstapp;

import javax.swing.ImageIcon;
import javax.swing.Alignment;
import javax.swing.JButton;

import com.sibvisions.rad.ui.swing.impl.SwingFactory;

public class CustomSwingFactory extends SwingFactory
{
    public JButton createButton()
    {
        JButton button = super.createButton();

        button.setBackground(null);
        button.setHorizontalAlignment(Alignment.LEFT);
        button.setIcon(ImageIcon.getImageIcon(ImageIcon.OK_SMALL));
        button.setBorderOnMouseEntered(true);

        return button;
    }
}
```

Our factory extends the default SwingFactory and overwrites createButton. All created buttons have a default icon, no border, and the text is left aligned.

Now we configure our custom factory via command-line:

```
java -cp... apps.firstapp.FirstApplication ""
Launcher.uiFactory=apps.firstapp.CustomSwingFactory
```

The second parameter defines a config file, but we don't use one. It is also possible to put the factory parameter in a config file together with other parameters. All configuration options are described in [this article](#).

A preview of an application with our custom factory:



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http://doc.sibvisions.com/jvx/client/gui/custom_factory



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