Customizing Tooltip Message on EMF Form Editor

In the previous tutorial we learnt how to add a new custom Tab to the EMF Form Editor. In this tutorial we will document about the extension point available for adding custom tooltip on controls being displayed on EMF Form Editor.

CREATE A Eclipse Plugin for UI Development:

1. We will create a new Plugin Project with Contribution to UI enabled.

)	New Plug-in Project		-	□ ×
ontent				
Enter the data required to	generate the plug-in.			
Properties				
ID:	org.ancit.emfforms.ui			
Version:	1.0.0.qualifier			
N <u>a</u> me:	Ui			
Ven <u>d</u> or:				~
Execution Environment:	JavaSE-1.7	~	Envi <u>r</u> o	nments
Enable A <u>P</u> I analysis				
Enable API analysis				
Would you like to create	a 3.x rich client application?	C) <u>Y</u> es	• N <u>o</u>

2. We are interested in customizing the EMF Form Editor. Therefore you need to include **org.eclipse.emf.ecp.editor.e3** plugin in your dependancies.



3. In the Extensions Tab, we need to add an extension point org.eclipse.emf.ecp.ui.view.tooltipModifier and provide the required class. Class should extend ECPStringModifier.

🞏 Extensions		0 🎄 🏶 🛈			
All Extensions		Extension Element Details			
Define extensions for this plug-in in the following sectio type filter text	Set the properties of "modifier". Required fields are denoted by "*".				
 ▲ ↔ org.eclipse.emf.ecp.editor.pages ※ com.cypress.ezpd.ui.editors.EZPDMEEditor ▲ ↔ org.eclipse.emf.ecp.ui.view.tooltipModifier ※ EZPDStringModifier (modifier) 	Add Remove	com.cypress.ezpd.ui.tooltipmodifier. Browse			

4. In our class, you will have a method named modifyString(). You need to return the desired tooltip in this method.

```
EObject domainObject = modelElementContext.getDomainObject();
try {
    ECPSWTViewRenderer.INSTANCE.render(managedForm.getForm().getBody(), domainObject);
} catch (ECPRendererException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
```

5. Now run your ECP Application and you will find a Custom Tooltip when you hover on the generated Text or Combo Controls on your EMF Form Editor.

REFERENCES:

<u>http://eclipse.org/ecp/</u> <u>http://eclipsesource.com/blogs/tutorials/getting-started-with-the-emf-client-platform/</u> <u>http://eclipsesource.com/blogs/tutorials/emf-forms-renderer/</u>

ABOUT ANCIT:

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