2nd: Hello Mule ESB [with a little JAVA]

- **1.** Be sure you've done the 1st exercise.
- 2. Create a new class in src/main/java. Right click on it and the choose NewClass (don't forget to set a package name accordingly).
- **3.** Create a method that returns a *String* and receives a *String* as a parameter.

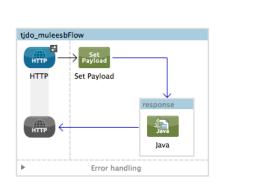
```
Package Explorer ×

☑ Greeting.java ×
                               ijdo_muleesb
                                 2⊕ * Greeting.java...
                                 7 package org.tjdo;
▼ atjdo_muleesb
                                 8
   src/main/app (Flows)
                                 9- /**
    src/main/api
                                    * Implements a dynamic greeter for
                                10
                                    * Mule ESB.
   11
                                    * @author edimende

▼ ⊕ orq.tjdo

                                13
       ▶ J Greeting.java
                                    */
                                14
    # src/main/resources
                                15
                                   public class Greeting {
    src/test/java
                                16
    # src/test/resources
                               17⊝
    mappings
                                18
                                         * Given a name, this method returns a greeting accordingly.
  ▶ ■ JRE System Library [JavaSE-
                                         * @param name Who will be greeted.
                                19
   ▶ ■ Mule Server 3.6.0 EE
                                20
                                         * @return The corresponding greeting
                                21
   ▶ $\bigsize \text{src}$
                                22⊝
                                        public String greet(String name) {
    🗁 target
                                23
                                            return "Hello " + name;
    mule-project.xml [Mule Se
                                24
                                25 }
                                26
```

4. Go to the graphical flow and add a new **Java** component to the canvas.





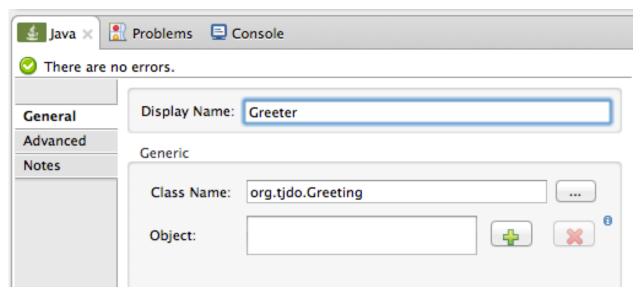
Custom Business Event

Connectors
Scopes
Components
APlkit Console
Batch Execute
CXF

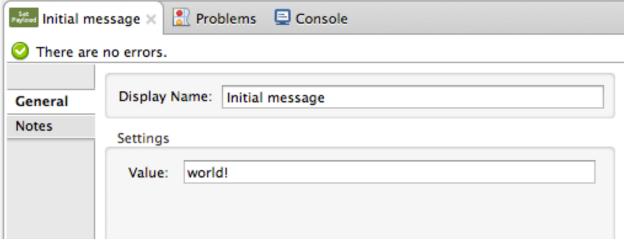
((10-01)) Echo

Expression

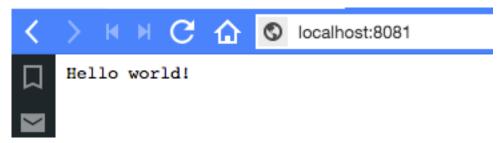
5. Go to the properties view for the new **Java** component (as learned in the 1st exercise) and set the *class name* attribute pointing to the class created (if needed, the display name may be modified too).



6. In the **Set payload** step configure as its *value* the name of the person to be greeted by the Java class (remember that the display name may be modified too).



7. Run the application (as *Mule application*) and then in a web browser load the URL http://localhost:8081/. As a result a string must be printed comprising the flow of the message.

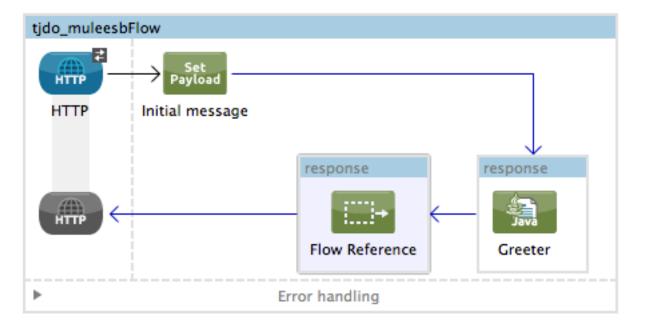


3nd: Hello Mule ESB [with Flow reference]

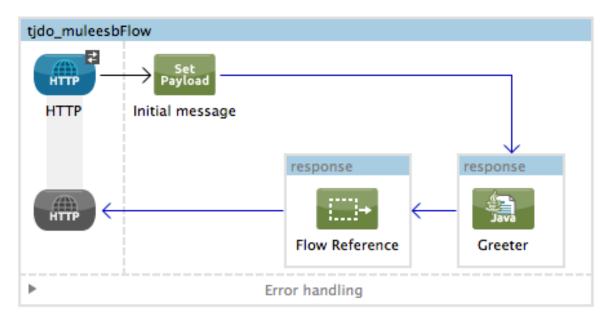
- **1.** Be sure you've done the 2nd exercise.
- 2. Create a new class in *src/main/java*. Right click on it and the choose **New > Class** (don't forget to set a package name accordingly).
- **3.** Create a method that returns a *String* and receives a *String* as a parameter. This method will concatenate a customized text to the one provided by parameter.

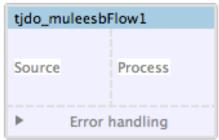


4. In the Mule flow drag a new Flow Reference component.

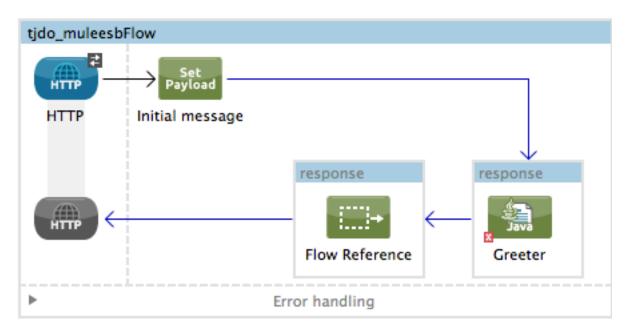


5. Create a new **Flow** dragging the **Flow** scope from the palate.



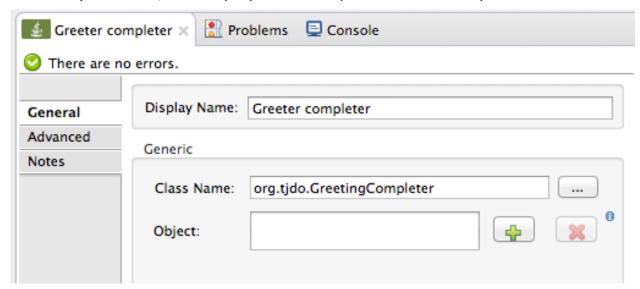


6. Create a **Java** component in the new **Flow**. Drag it into the *process* section of the new **Flow**.

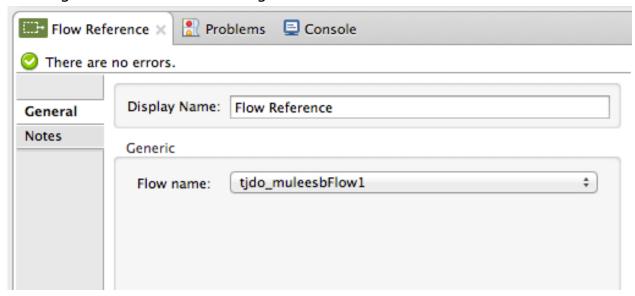




7. Go to the properties view for the new **Java** component (as learned in the 1^{st} exercise) and set the *class name* attribute pointing to the class created (if needed, the display name may be modified too).



8. Go back to the properties of the **Flow Reference** component added to the original **Flow**. In that configure the reference to the new flow.



- **9.** Run the **Flow** the same way learned in the 1st exercise.
- **10.** Go to a web browser and check the result.



[1] Mule ESB Cookbook (Attune infocom) (Dr. Zakir Laliwala / Azaz Desai / Abdul Samad / Uchit Vyas) (Page 41).

[2] Mule ESB Cookbook (Attune infocom) (Dr. Zakir Laliwala / Azaz Desai / Abdul Samad / Uchit Vyas) (Page 59).