# JSF - H:SETPROPERTYACTIONLISTENER

The h:setPropertyActionListener tag adds an action listener to a component that sets a bean property to a given value.

## JSF Tag

```
<h:commandButton >
   <f:setPropertyActionListener target="#{userData.data}"
      value="JSF 2.0 User" />
</h:commandButton>
```

## Example Application

Let us create a test JSF application to test the above tag.

| Step | Description |
| --- | --- |
| 1 | Create a project with a name *helloworld* under a package *com.tutorialspoint.test* as explained in the *JSF - First Application* chapter. |
| 2 | Modify *home.xhtml* as explained below. Keep rest of the files unchanged. |
| 3 | Create *result.xhtml* in the webapps directory as explained below. |
| 4 | Create *UserData.java* as a managed bean under package *com.tutorialspoint.test* as explained below. |
| 5 | Compile and run the application to make sure business logic is working as per the requirements. |
| 6 | Finally, build the application in the form of war file and deploy it in Apache Tomcat Webserver. |
| 7 | Launch your web application using appropriate URL as explained below in the last step. |

## UserData.java

```
package com.tutorialspoint.test;

import java.io.Serializable;

import javax.faces.bean.ManagedBean;
import javax.faces.bean.SessionScoped;

@ManagedBean(name = "userData", eager = true)
@SessionScoped
public class UserData implements Serializable {

   private static final long serialVersionUID = 1L;

   public String data = "1";

   public String getData() {
      return data;
   }

   public void setData(String data) {
      this.data = data;
   }
}
```

## home.xhtml

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>JSF Tutorial!</title>
</head>
<body>
    <h2>f:attribute example</h2>
    <hr />
    <h:form>
        <h:commandButton >
            <f:setPropertyActionListener
                target="#{userData.data}" value="JSF 2.0 User" />
        </h:commandButton>
    </h:form>
</body>
</html>
```

## result.xhtml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
    xmlns:f="http://java.sun.com/jsf/core"
    xmlns:h="http://java.sun.com/jsf/html"
    xmlns:ui="http://java.sun.com/jsf/facelets">
    <head>
        <title>JSF Tutorial!</title>
    </head>
    <h:body>
    <h2>Result</h2>
    <hr />
        #{userData.data}
    </h:body>
</html>
```

Once you are ready with all the changes done, let us compile and run the application as we did in JSF - First Application chapter. If everything is fine with your application, this will produce following result:



Press **Show Message** button and you'll see the following result.