

JSF - EDIT DATA OF A DATATABLE

http://www.tutorialspoint.com/jsf/jsf_edit_datatable.htm

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In this article, we'll showcase adding editing capability to a row in datatable

Example Application

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

Step	Description
1	Create a project with a name <i>helloworld</i> under a package <i>com.tutorialspoint.test</i> as explained in the <i>JSF - Display DataTable</i> sub-chapter of <i>JSF - Data Tables</i> chapter.
2	Modify <i>home.xhtml</i> as explained below. Keep rest of the files unchanged.
3	Compile and run the application to make sure business logic is working as per the requirements.
4	Finally, build the application in the form of war file and deploy it in Apache Tomcat Webserver.
5	Launch your web application using appropriate URL as explained below in the last step.

home.xhtml

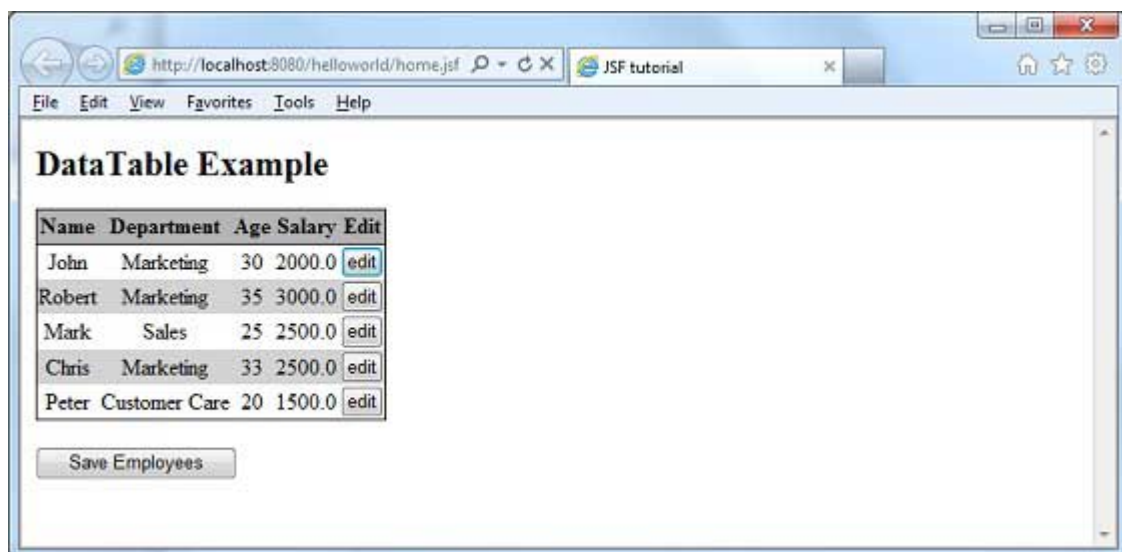
```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
xmlns:h="http://java.sun.com/jsf/html"
xmlns:f="http://java.sun.com/jsf/core">
  <h:head>
    <title>JSF tutorial</title>
    <h:outputStylesheet library="css" name="styles.css" />
  </h:head>
  <h:body>
    <h2>DataTable Example</h2>
    <h:form>
      <h:dataTable value="#{userData.employees}" var="employee"
        styleClass="employeeTable"
        headerClass="employeeTableHeader"
        rowClasses="employeeTableOddRow,employeeTableEvenRow">
        <h:column>
          <f:facet name="header">Name</f:facet>
          <h:inputText value="#{employee.name}"
            size="10" rendered="#{employee.canEdit}" />
          <h:outputText value="#{employee.name}"
            rendered="#{not employee.canEdit}" />
        </h:column>
        <h:column>
          <f:facet name="header">Department</f:facet>
          <h:inputText value="#{employee.department}"
            size="20" rendered="#{employee.canEdit}" />
          <h:outputText value="#{employee.department}"
            rendered="#{not employee.canEdit}" />
        </h:column>
        <h:column>
          <f:facet name="header">Age</f:facet>
          <h:inputText value="#{employee.age}" size="5"
            rendered="#{employee.canEdit}" />
          <h:outputText value="#{employee.age}"
            rendered="#{not employee.canEdit}" />
        </h:column>
      </h:dataTable>
    </h:form>
  </h:body>
</html>
```

```

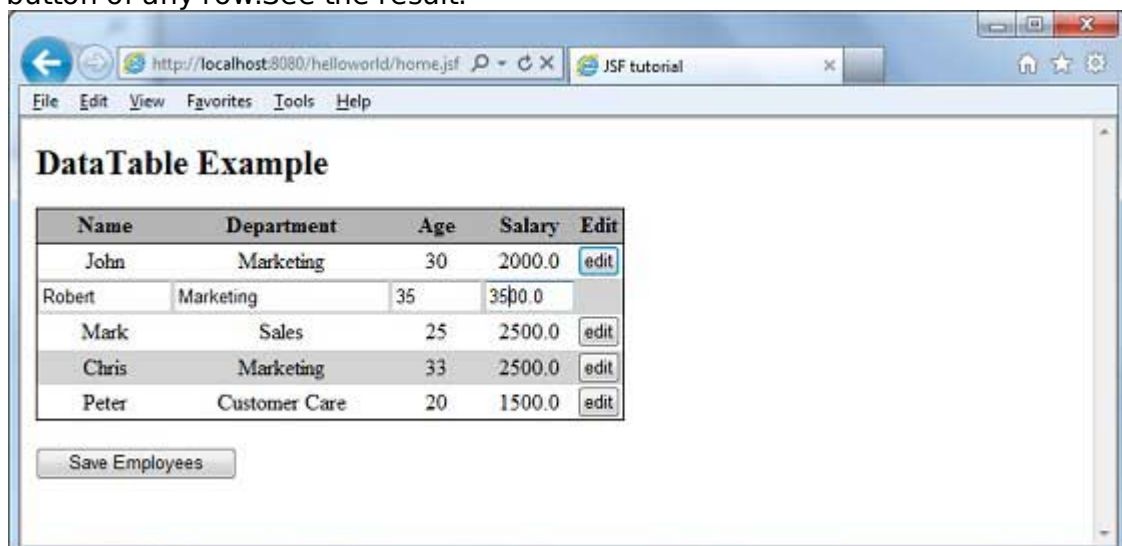
</h:column>
<h:column>
  <f:facet name="header">Salary</f:facet>
  <h:inputText value="#{employee.salary}"
    size="5" rendered="#{employee.canEdit}" />
  <h:outputText value="#{employee.salary}"
    rendered="#{not employee.canEdit}" />
</h:column>
<h:column>
  <f:facet name="header">Edit</f:facet>
  <h:commandButton value="Edit"
    action="#{userData.editEmployee}"
    rendered="#{not employee.canEdit}">
    <f:setPropertyActionListener
      target="#{userData.employee}" value="#{employee}" />
  </h:commandButton>
</h:column>
</h:dataTable>
<br/>
<h:commandButton value="Save Employees"
  action="#{userData.saveEmployees}" />
</h:form>
</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:



Click *edit* button of any row. See the result.



Click *Save Employees* button to save the edit. See the result.

