

JSF - F:VALIDATEDOUBLERANGE

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

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f:validateDoubleRange tag is used to validate a value to a range of float values.

JSF Tag

```
<f:validateDoubleRange minimum="1000.50" maximum="10000.50" />
```

Tag Attributes

S.N.	Attribute & Description
1	minimum minimum double value within an optional range
2	maximum maximum double value within an optional range

Example Application

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

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 - First Application</i> chapter.
2	Modify <i>home.xhtml</i> as explained below. Keep rest of the files unchanged.
3	Create <i>result.xhtml</i> in the webapps directory as explained below.
4	Create <i>UserData.java</i> as a managed bean under package <i>com.tutorialspoint.test</i> 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;

private double salary;

public double getSalary() {
    return salary;
}
public void setSalary(double salary) {
    this.salary = salary;
}
}

```

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:head>
  <h:body>
    <h2>h:validateDoubleRange Example</h2>
    <h:form>
      <h:inputText
        label="salary" >
        <f:validateDoubleRange minimum="1000.50" maximum="10000.50" />
      </h:inputText>
      <h:commandButton value="submit" action="result"/>
      <h:message for="salaryInput" style="color:red" />
    </h:form>
  </h: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">
  <h:head>
    <title>JSF Tutorial!</title>
  </h:head>
  <h:body>
    <h2>Result</h2>
    Salary: #{userData.salary}
  </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:



Enter an invalid value



Enter a valid value

