

The h:messages tag shows all the messages at one place corresponding to UI elements.

JSF Tag

```
<h:messages style="color:red;margin:8px;" />
```

Rendered Output

Case: username entered is more than 20 characters and password entered is less than 5 characters.

```
<ul style="color:red;margin:8px;">
  <li> UserName: Validation Error:
    Length is greater than allowable maximum of '20' </li>
  <li> Password: Validation Error:
    Length is less than allowable minimum of '5' </li>
</ul>
```

Tag Attributes

S.N.	Attribute & Description
1	id Identifier for a component
2	binding Reference to the component that can be used in a backing bean
3	rendered A boolean; false suppresses rendering
4	styleClass Cascading stylesheet CSS class name
5	for The ID of the component whose message is displayed  applicable only to h:message
6	errorClass CSS class applied to error messages
7	errorStyle CSS style applied to error messages
8	fatalClass CSS class applied to fatal messages

9	fatalStyle	CSS style applied to fatal messages
10	globalOnly	Instruction to display only global messages♦applicable only to h:messages. Default: false
11	infoClass	CSS class applied to information messages
12	infoStyle	CSS style applied to information messages
13	layout	Specification for message layout: table or list♦applicable only to h:messages
14	showDetail	A boolean that determines whether message details are shown. Defaults are false for h:messages, true for h:message
15	showSummary	A boolean that determines whether message summaries are shown. Defaults are true for h:messages, false for h:message
16	tooltip	A boolean that determines whether message details are rendered in a tooltip; the tooltip is only rendered if showDetail and showSummary are true
17	warnClass	CSS class for warning messages
18	warnStyle	CSS style for warning messages
19	style	Inline style information
20	title	A title, used for accessibility, that describes an element. Visual browsers typically create tooltips for the title's value

Example Application

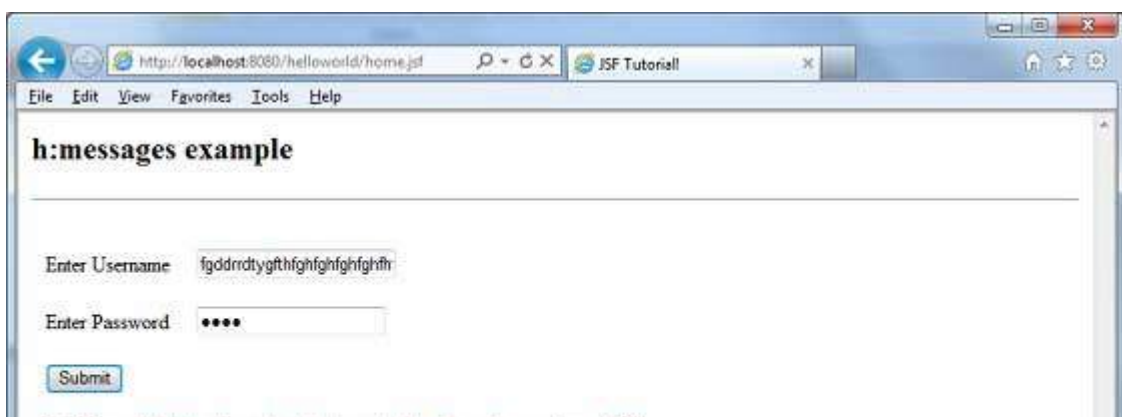
Let us create a test JSF application to test the above tag.

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	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

```
<!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>h:messages example</h2>
  <hr />
  <h:form>
    <h:panelGrid
      cellspacing="1">
      <h:outputLabel value="Enter Username" />
      <h:inputText
        required="true">
        <f:validateLength for="username" minimum="5" maximum="20" />
      </h:inputText>
      <h:outputLabel value="Enter Password" />
      <h:inputSecret
        required="true" redisplay="true" >
        <f:validateLength for="password" minimum="5" maximum="10" />
      </h:inputSecret>
      <h:commandButton />
    </h:panelGrid>
    <h:messages style="color:red;margin:8px;" />
  </h:form>
</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:



UserName: Validation Error: Length is greater than allowable maximum of '20'
Password: Validation Error: Length is less than allowable minimum of '5'

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