

Rekayasa Perangkat Lunak Berbasis Komponen

JSF Expression Language

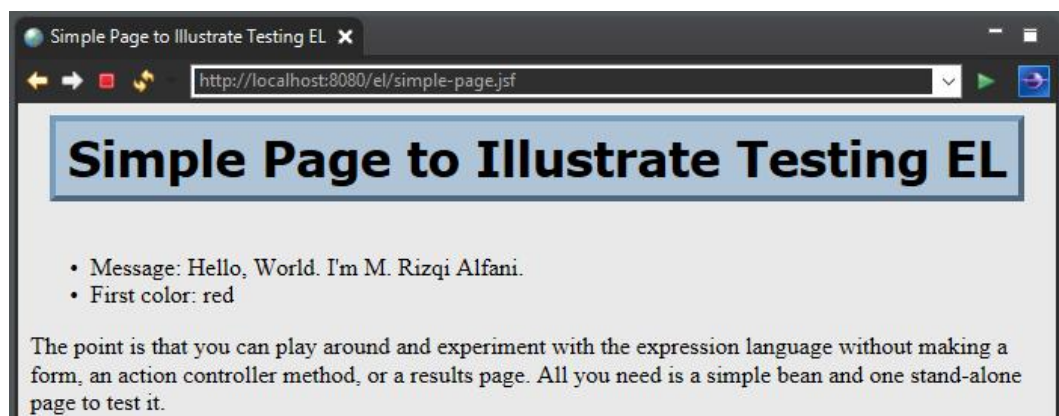
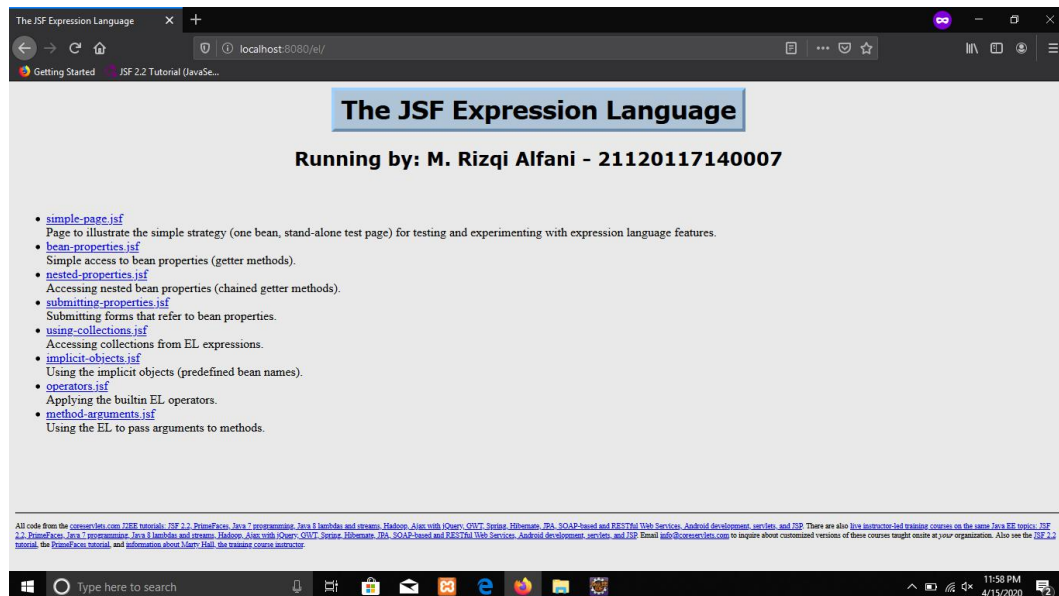
dan Validating User Input

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NIM : 21120117140007

Kelas : RSBK A

I. Expression Language





Using Collections x

http://localhost:8080/el/using-collections.jsf

Using Collections

Choose Purchases

- **Cheap Items**
 1.
 2.
 3.
- **Medium Items**
 1.
 2.
 3.
- **Valuable Items**
 - Low:
 - Medium:
 - High:

Implicit Objects x

http://localhost:8080/el/implicit-objects.jsf

Implicit Objects

- **Context path:** /el
- **Value of JSESSIONID cookie:**
- **The "test" request parameter:**
- **User-Agent request header:** Mozilla/5.0 (Windows NT 6.2; Win64; x64; Trident/7.0; rv:11.0) like Gecko

EL Operators

http://localhost:8080/el/operators.jsf

EL Operators


Arithmetic Operators		Relational Operators	
Expression	Result	Expression	Result
<code># {3+2-1}</code>	4	<code># {1 lt 2}</code>	true
<code># {"1"+2}</code>	3	<code># {"a" lt "b"}</code>	true
<code># {1 + 2*3 + 3/4}</code>	7.75	<code># {2/3 ge 3/2}</code>	false
<code># {3%2}</code>	1	<code># {3/4 == 0.75}</code>	true
<code># {(8 div 2) mod 3}</code>	1.0	<code># {null == "test"}</code>	false

Logical Operators		empty Operator	
Expression	Result	Expression	Result
<code># {(1 lt 2) and (4 lt 3)}</code>	false	<code># {empty ""}</code>	true
<code># {(1 lt 2) or (4 lt 3)}</code>	true	<code># {empty null}</code>	true
<code># {!(1 lt 2)}</code>	false	<code># {empty param.blah}</code>	true

Supplying Arguments to EL Methods

http://localhost:8080/el/method-arguments.jsf

Supplying Arguments to EL Methods

- English greeting: Hello!
- Spanish greeting:  Hola!
- Default greeting: Hello!
- Small random number: 3.7020230511688617
- Big random number: 90.5246538613606
- Random greeting:  Hola!

Enter Bid

http://localhost:8080/validation-1/enter-bid-1.jsf

Enter Bid

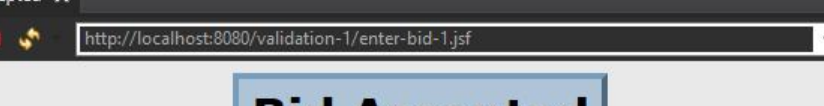
Parameters for Your Bid

User ID:

Keywords:

Bid Amount: \$

Duration:

A screenshot of a web browser window. The title bar says "Bid Accepted". The address bar shows "http://localhost:8080/validation-1/enter-bid-1.jsf". The main content area has a light gray background. At the top, the text "Bid Accepted" is displayed in a large, bold, black font, enclosed in a blue rectangular box. Below this, the text "You have bid successfully." is shown in a bold, black font. At the bottom, there is a bulleted list of bid details: "User ID: 21120117140007", "Keywords: AWS", "Bid Amount: \$100.0", and "Duration: 365".

Bid Accepted

You have bid successfully.

- User ID: 21120117140007
 - Keywords: AWS
 - Bid Amount: \$100.0
 - Duration: 365

Enter Bid x

http://localhost:8080/validation-1/enter-bid-1.jsf

Enter Bid

Parameters for Your Bid

- You must enter a user ID
- You must enter a keyword
- You must enter an amount
- You must enter a duration

User ID:

Keywords:

Bid Amount: \$

Duration:

Send Bid!

Enter Bid x

http://localhost:8080/validation-1/enter-bid-2.jsf

Enter Bid

Parameters for Your Bid

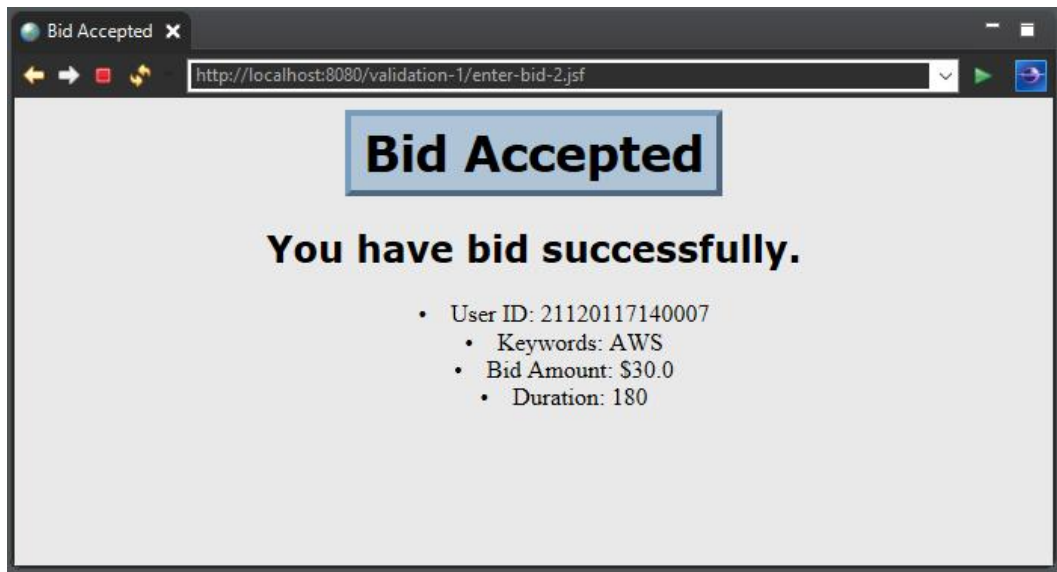
User ID:

Keywords:

Bid Amount: \$

Duration:

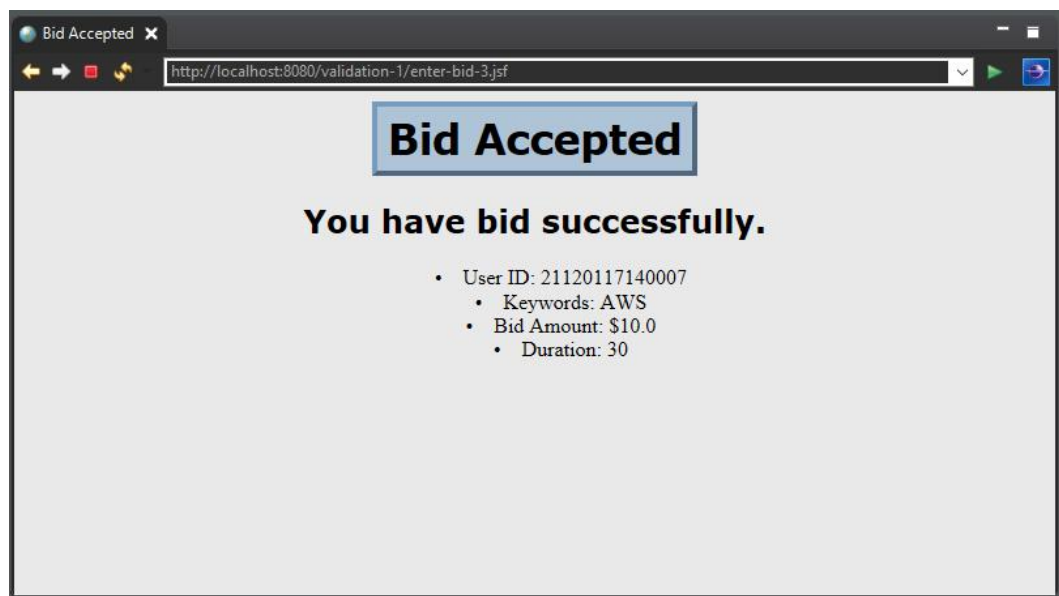
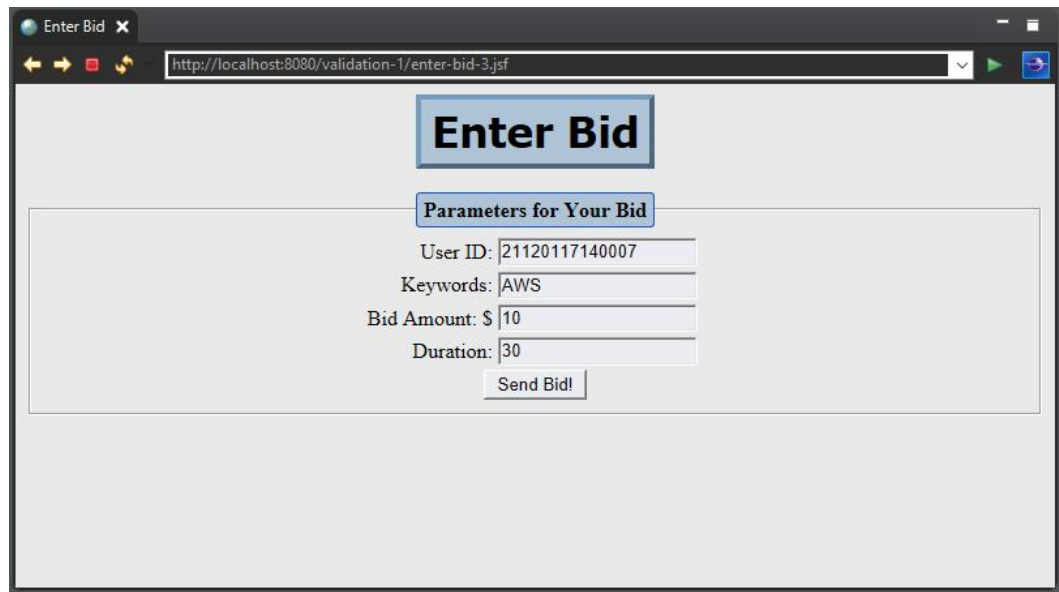
Send Bid!



A screenshot of a web browser window with the title 'Enter Bid'. The address bar shows the URL 'http://localhost:8080/validation-1/enter-bid-2.jsf'. The main content area displays a large blue box with the text 'Enter Bid' in bold. Below this, a section titled 'Parameters for Your Bid' contains a form with the following fields and labels:

User ID:	<input type="text"/>	You must enter a user ID
Keywords:	<input type="text"/>	You must enter a keyword
Bid Amount: \$	<input type="text"/>	You must enter an amount
Duration:	<input type="text"/>	You must enter a duration

Below the form fields is a button labeled 'Send Bid!'.



Enter Bid x

http://localhost:8080/validation-1/enter-bid-3.jsf

Enter Bid

Parameters for Your Bid

User ID:

Keywords:

Bid Amount: \$ Amount must be a number

Duration: Duration must be a whole number

Enter Bid x

http://localhost:8080/validation-1/enter-bid-4.jsf

Enter Bid

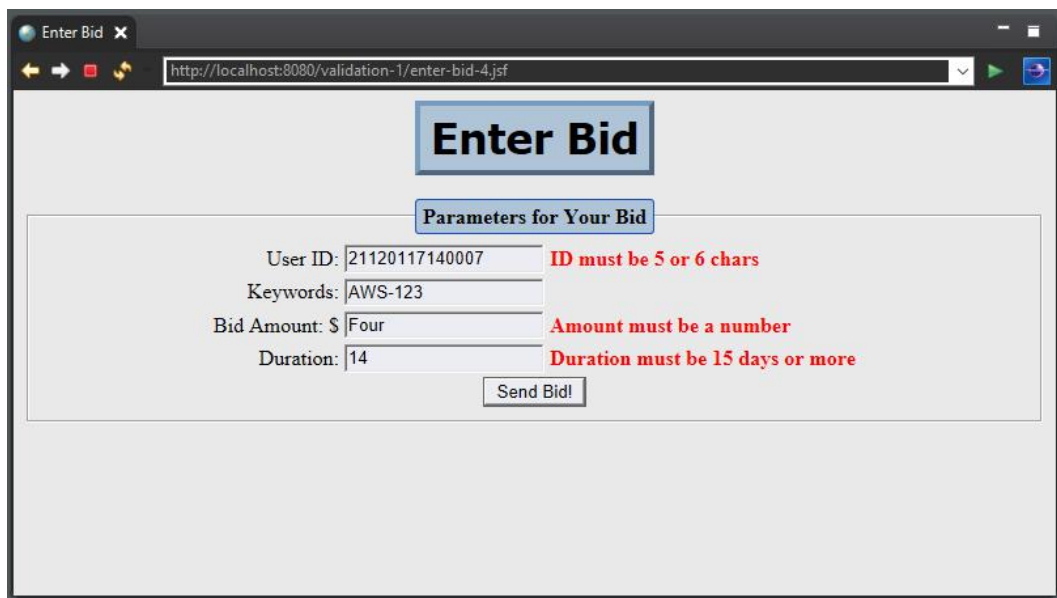
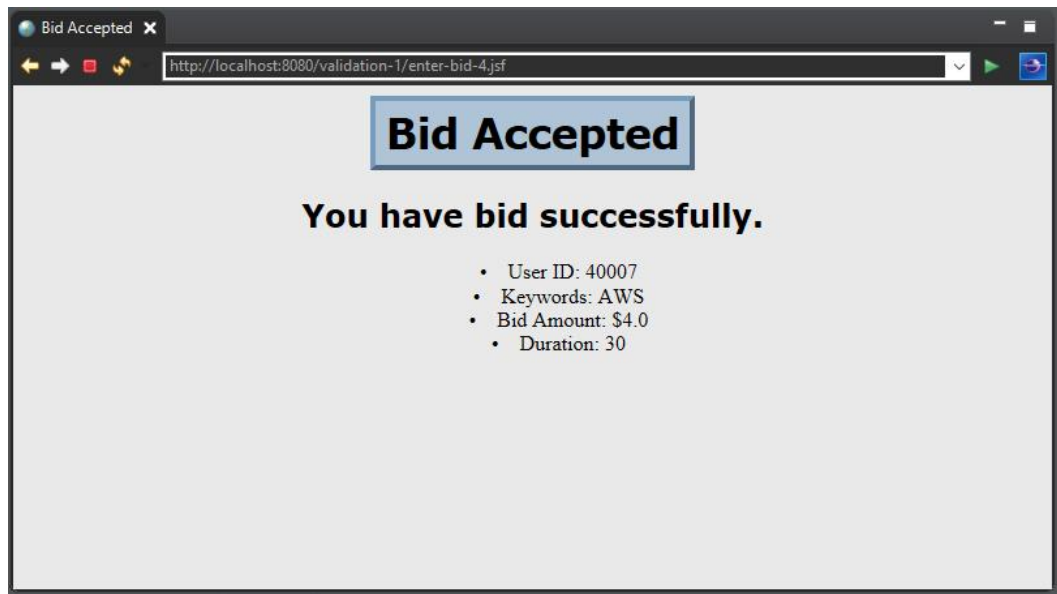
Parameters for Your Bid

User ID:

Keywords:

Bid Amount: \$

Duration:



Enter Bid

Parameters for Your Bid

Blah 1: One

Blah 2: Two

Blah 3: Three

Blah 4: Four

Blah 5: Five

Blah 6: Six

Blah 7: Seven

User ID: 40007

Keywords: AWS

Bid Amount: \$ 100

Duration: 365

Send Bid!

Bid Accepted

You have bid successfully.

- User ID: 40007
- Keywords: AWS
- Bid Amount: \$100.0
- Duration: 365

Enter Bid

Parameters for Your Bid

Fix Errors Marked Below

Blah 1: One

Blah 2: Two

Blah 3: Three

Blah 4: Four

Blah 5: Five

Blah 6: Six

Blah 7: Seven

User ID: 21120117140007 ID must be 5 or 6 chars

Keywords: AWS-123

Bid Amount: \$ One Amount must be a number

Duration: 7 Duration must be 15 days or more

Send Bid!

Enter Bid

Parameters for Your Bid

Blah 1: One
Blah 2: Two
Blah 3: Three
Blah 4: Four
Blah 5: Five
Blah 6: Six
Blah 7: Seven
User ID: 40007
Keywords: AWS-123
Bid Amount: \$ 30
Duration: 60

Send Bid!

Bid Accepted

You have bid successfully.

- User ID: 40007
- Keywords: AWS-123
- Bid Amount: \$30.0
- Duration: 60

Enter Bid

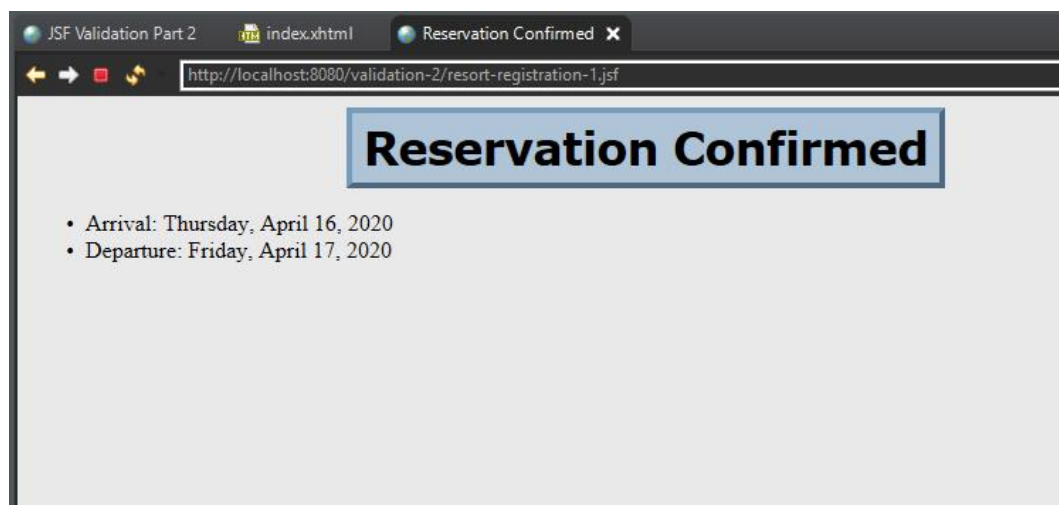
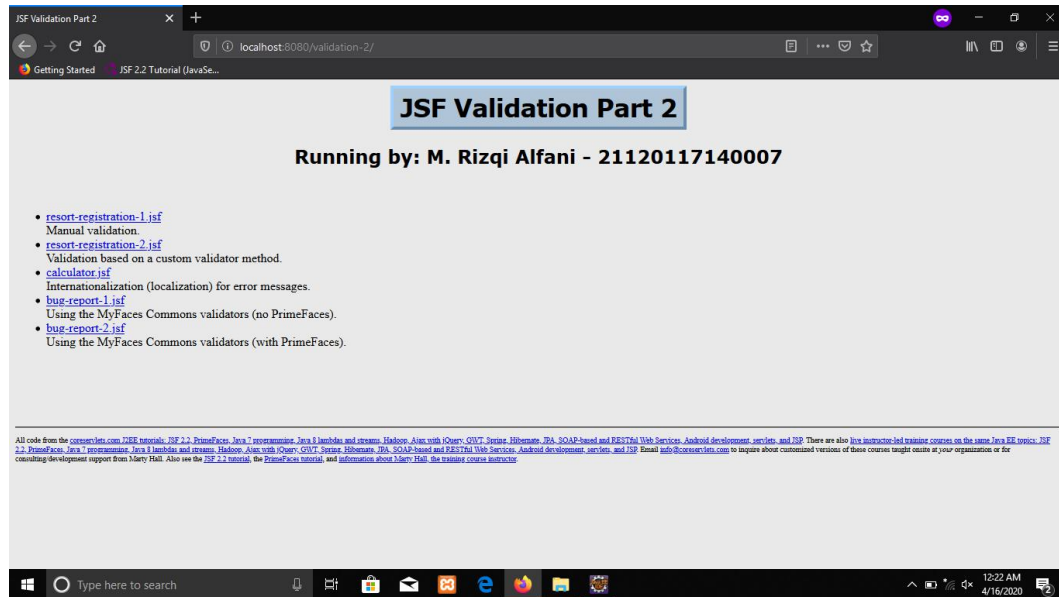
Parameters for Your Bid

Fix Errors Marked Below

Blah 1: One
Blah 2: Two
Blah 3: Three
Blah 4: Four
Blah 5: Five
Blah 6: Six
Blah 7: Seven
User ID: 21120117140007 ID must be 5 or 6 chars
Keywords: AWS-123
Bid Amount: \$ Thirty Amount must be a number
Duration: Sixty Duration must be a whole number

Send Bid!

III. Validation 2



JSF Validation Part 2 index.xhtml Register for the JSF Resort x

http://localhost:8080/validation-2/resort-registration-2.jsf

Register for the JSF Resort

Example Using Custom Validator Method

Start date (mm/dd/yyyy): 04/15/2020

End date (mm/dd/yyyy): 04/16/2020

Requested room number: 7

Register

JSF Validation Part 2 index.xhtml Reservation Confirmed x

http://localhost:8080/validation-2/resort-registration-2.jsf

Reservation Confirmed

- Arrival: Thursday, April 16, 2020
- Departure: Friday, April 17, 2020
- Room number: 7

JSF Validation Part 2 index.xhtml Register for the JSF Resort x

http://localhost:8080/validation-2/resort-registration-2.jsf

Register for the JSF Resort

Example Using Custom Validator Method

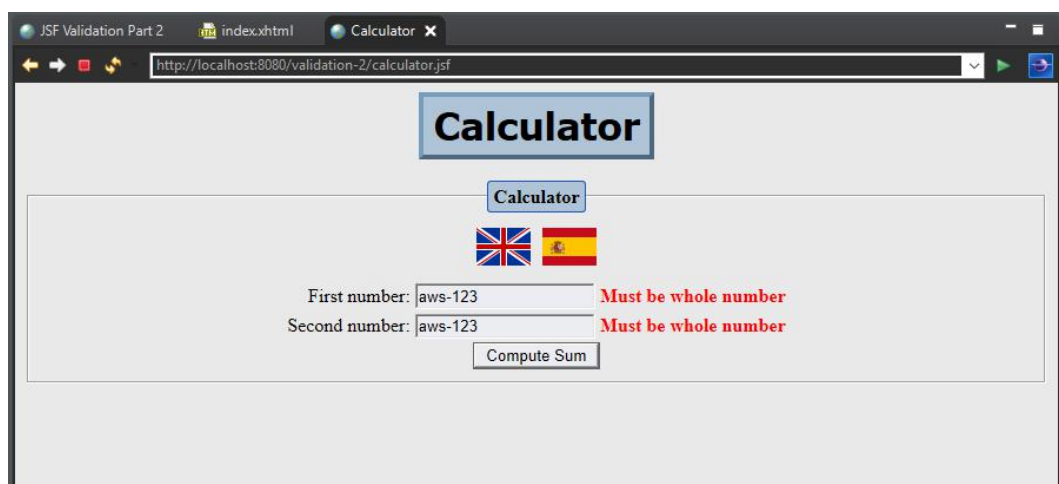
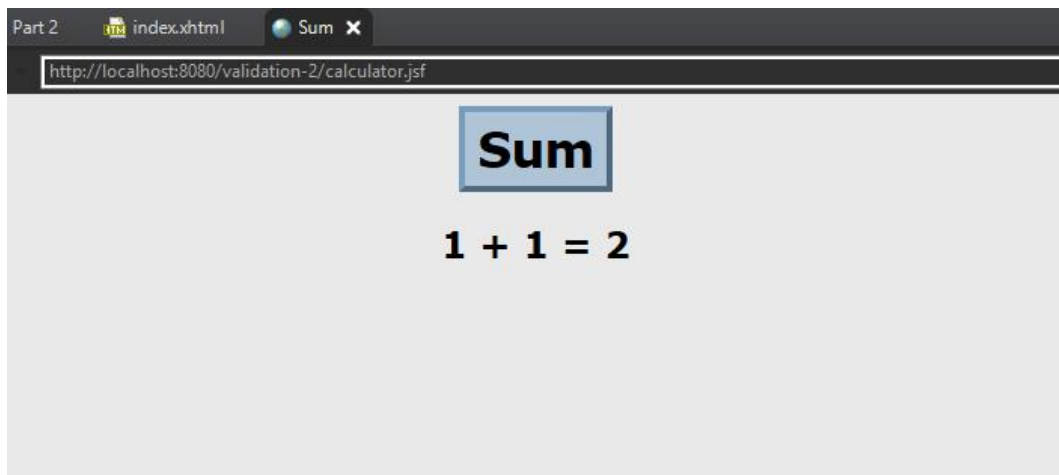
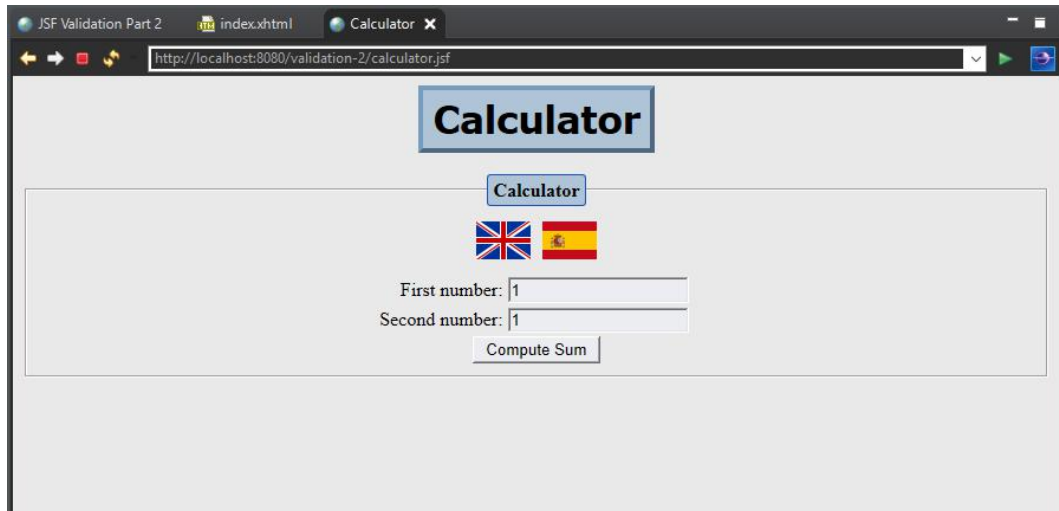
• Room 17 temporarily unavailable

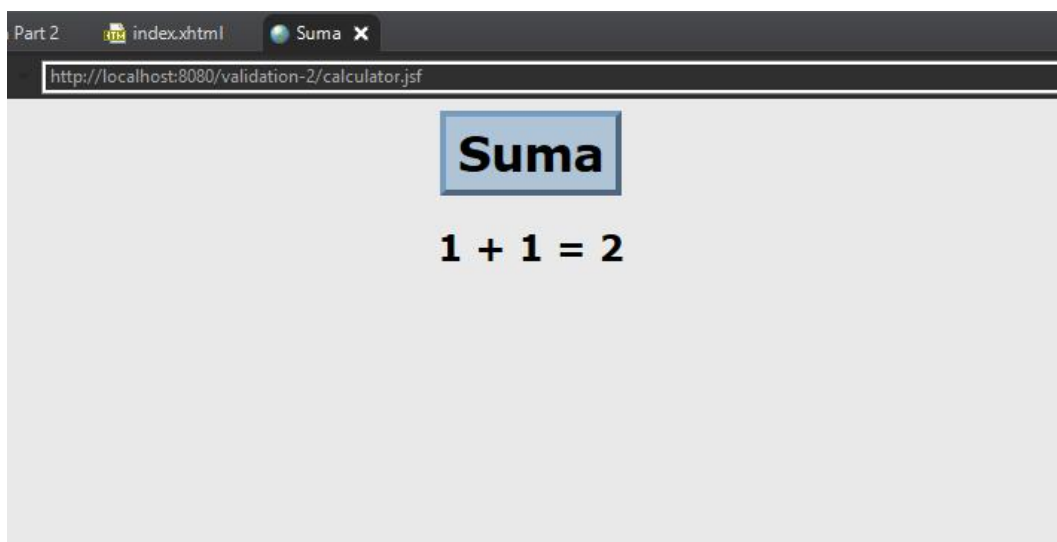
Start date (mm/dd/yyyy): 04/15/2020

End date (mm/dd/yyyy): 04/16/2020

Requested room number: 17

Register





JSF Validation Part 2 index.xhtml Web Site Bug Reports x

http://localhost:8080/validation-2/bug-report-1.jsf

Web Site Bug Reports

Thanks for alerting us to an error on our Web site. All confirmed reports are given a \$10 cash "thank you". Your name or nickname will be credited with the report on our bug-fix page.

Example Using the MyFaces Commons Validators

Name or nickname:

URL containing the problem:

Email address:

Credit card number:

Reenter card number:

Problem description:

Validator documentation at <http://myfaces.apache.org/commons20/myfaces-validators20/tagdoc.html>.
Download validator JARs from <http://myfaces.apache.org/myfaces-commons/download.html>.

JSF Validation Part 2 index.xhtml Web Site Bug Reports x

http://localhost:8080/validation-2/bug-report-1.jsf

Web Site Bug Reports

Thanks for alerting us to an error on our Web site. All confirmed reports are given a \$10 cash "thank you". Your name or nickname will be credited with the report on our bug-fix page.

Example Using the MyFaces Commons Validators

Name or nickname:

URL containing the problem: **Invalid URL**

Email address:

Credit card number:

Reenter card number:

Problem description:

Validator documentation at <http://myfaces.apache.org/commons20/myfaces-validators20/tagdoc.html>.
Download validator JARs from <http://myfaces.apache.org/myfaces-commons/download.html>.

