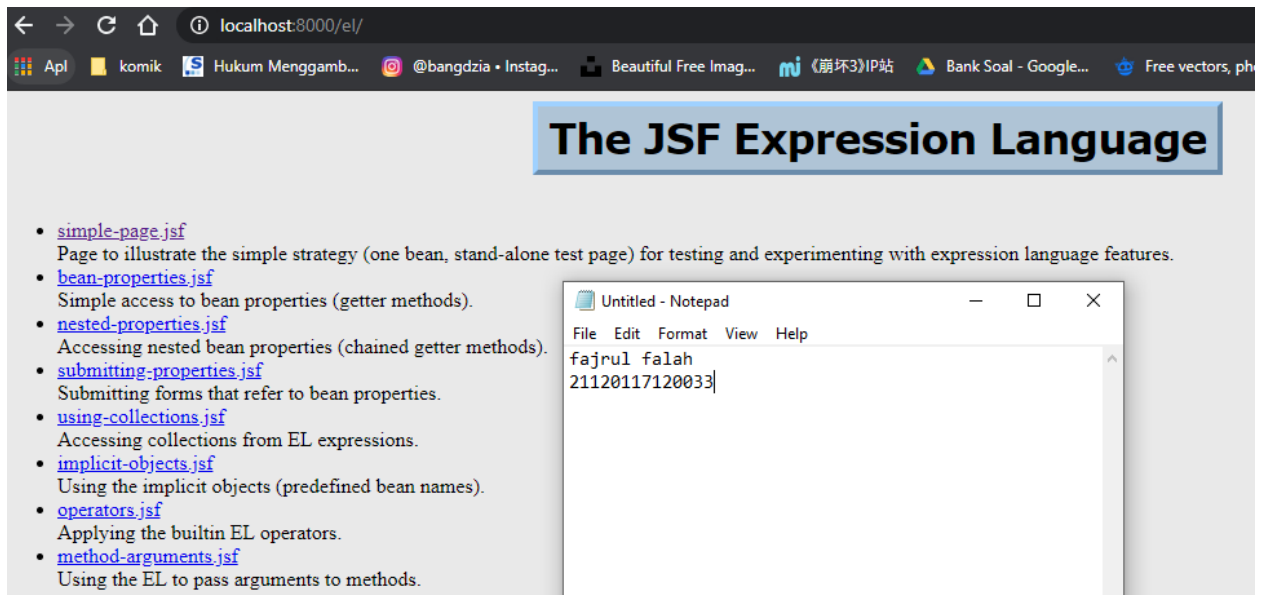


Screenshot hasil uji coba

## Project El

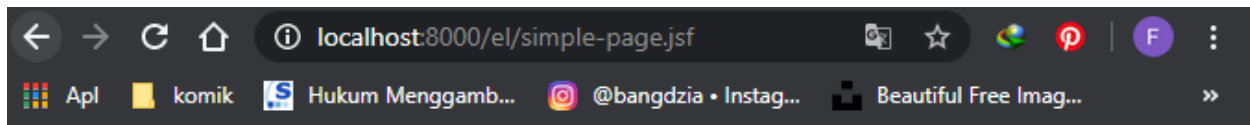


The screenshot shows a web browser window with the address bar displaying `localhost:8000/el/`. The browser's taskbar at the bottom includes icons for 'Apl', 'komik', 'Hukum Menggamb...', '@bangdzia • Instag...', 'Beautiful Free Imag...', '《崩坏3》IP站', 'Bank Soal - Google...', and 'Free vectors, ph...'. The main content area of the browser displays the title 'The JSF Expression Language' in a blue box. Below the title is a list of links and descriptions:

- [simple-page.jsf](#)  
Page to illustrate the simple strategy (one bean, stand-alone test page) for testing and experimenting with expression language features.
- [bean-properties.jsf](#)  
Simple access to bean properties (getter methods).
- [nested-properties.jsf](#)  
Accessing nested bean properties (chained getter methods).
- [submitting-properties.jsf](#)  
Submitting forms that refer to bean properties.
- [using-collections.jsf](#)  
Accessing collections from EL expressions.
- [implicit-objects.jsf](#)  
Using the implicit objects (predefined bean names).
- [operators.jsf](#)  
Applying the builtin EL operators.
- [method-arguments.jsf](#)  
Using the EL to pass arguments to methods.

Overlaid on the right side of the browser window is a 'Notepad' application window titled 'Untitled - Notepad'. It contains the following text:

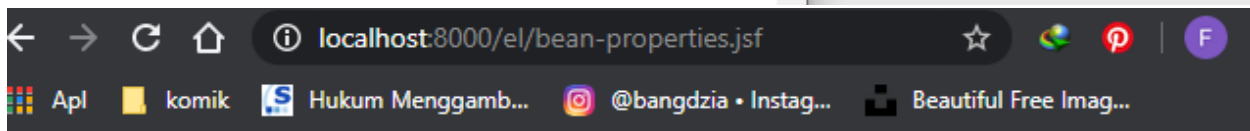
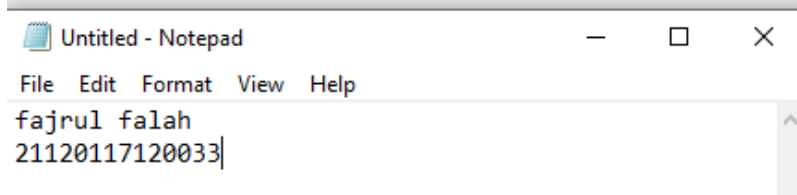
```
fajrul falah  
21120117120033|
```



## Simple Page to Illustrate Testing EL

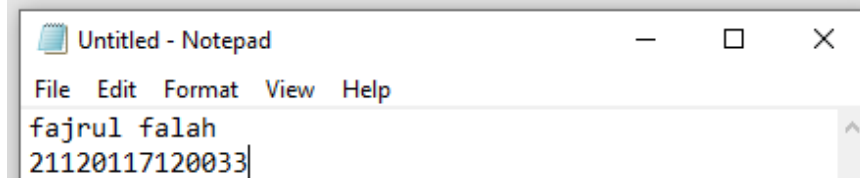
- Message: Hello, World
- First color: red

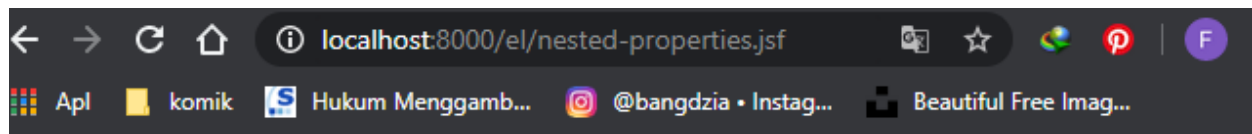
The point is that you can play around and experiment with the expression language without making a form, an action controller method, or a results page. All you need is a simple bean and one stand-alone page to test it.



## Accessing Simple Bean Properties

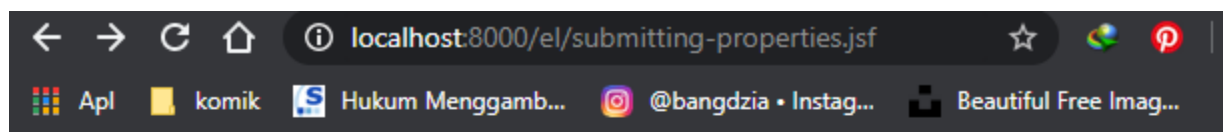
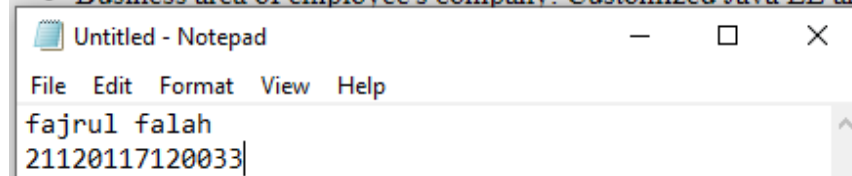
- Creation time: Fri Apr 17 09:25:08 ICT 2020
- Greeting: Hello
- Random number: 0.517750593811514





## Accessing Nested Bean Properties

- Employee's first name: Marty
- Employee's last name: Hall
- Name of employee's company: coreservlets.com
- Business area of employee's company: Customized Java EE and Ajax Training



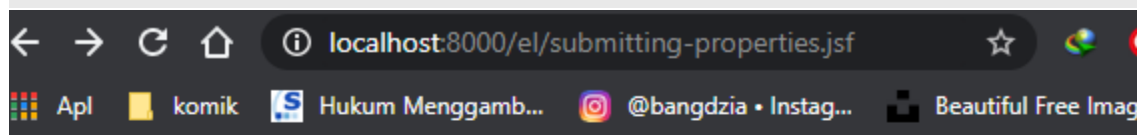
## Submitting Bean Properties

Your first name:

Your last name:

Name of your company:

Business area of your company:



## Employee Accepted

- Employee's first name: Fajrul
- Employee's last name: Falah
- Name of employee's company: blm punya
- Business area of employee's company: blass

# Using Collections

## Choose Purchases

- **Cheap Items**

1. Gum
2. Yo-yo
3. Pencil

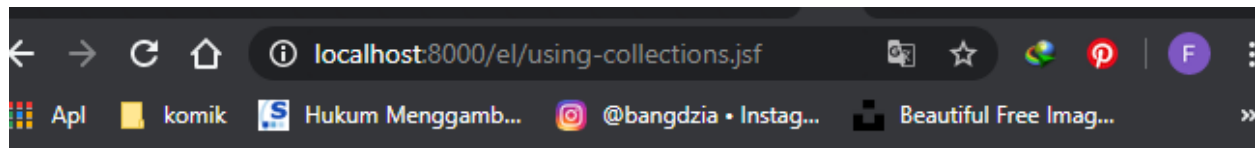
- **Medium Items**

1. iPod
2. GameBoy
3. Cell Phone

- **Valuable Items**

- Low: Lamborghini
- Medium: Yacht
- High: JSF Training Course

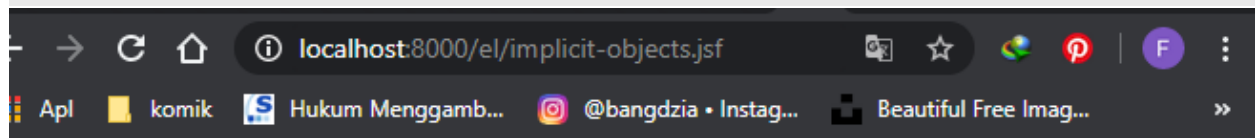
Purchase



## Successful Purchase

**Your account was successfully charged. Thanks for shopping with us.**

- **Cheap Items**
  1. Gum
  2. Yo-yo
  3. Pencil
- **Medium Items**
  1. iPod
  2. GameBoy
  3. Cell Phone
- **Valuable Items**
  - Low: Lamborghini
  - Medium: Yacht
  - High: JSF Training Course



## Implicit Objects

- **Context path:** /el
- **Value of JSESSIONID cookie:**
- **The "test" request parameter:**
- **User-Agent request header:** Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/80.0.3987.163 Safari/537.36

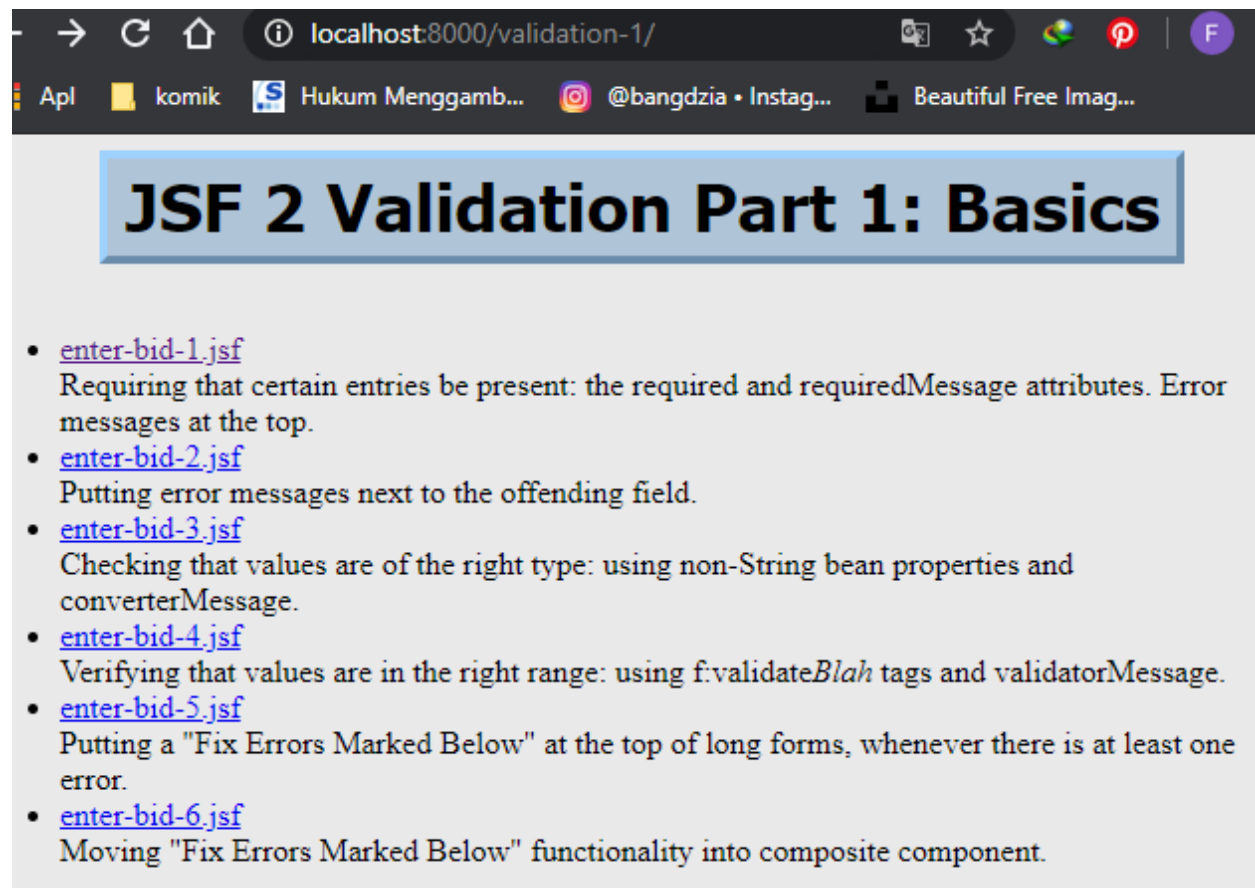
## EL Operators

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

- English greeting: Hello!
- Spanish greeting: ¡Hola!
- Default greeting: Hello!
- Small random number: 1.5893826270216038
- Big random number: 38.87415704772251
- Random greeting: ¡Hola!

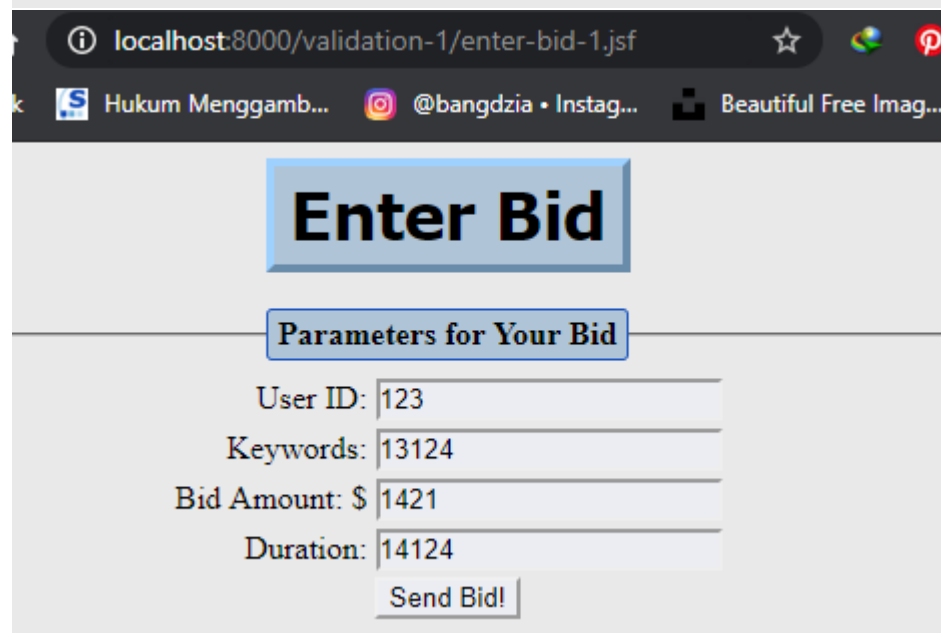
## Validation Part-1



localhost:8000/validation-1/

# JSF 2 Validation Part 1: Basics

- [enter-bid-1.jsf](#)  
Requiring that certain entries be present: the required and requiredMessage attributes. Error messages at the top.
- [enter-bid-2.jsf](#)  
Putting error messages next to the offending field.
- [enter-bid-3.jsf](#)  
Checking that values are of the right type: using non-String bean properties and converterMessage.
- [enter-bid-4.jsf](#)  
Verifying that values are in the right range: using f:validateBlah tags and validatorMessage.
- [enter-bid-5.jsf](#)  
Putting a "Fix Errors Marked Below" at the top of long forms, whenever there is at least one error.
- [enter-bid-6.jsf](#)  
Moving "Fix Errors Marked Below" functionality into composite component.



localhost:8000/validation-1/enter-bid-1.jsf

## Enter Bid

Parameters for Your Bid

User ID:

Keywords:

Bid Amount: \$

Duration:

## Bid Accepted

You have bid successfully.

- User ID: 123
- Keywords: 13124
- Bid Amount: \$1421.0
- Duration: 14124

## Enter Bid

### Parameters for Your Bid

User ID:

Keywords:

Bid Amount: \$

Duration:



## Bid Accepted

You have bid successfully.

- User ID: SDAD
- Keywords: ADA
- Bid Amount: \$0.0
- Duration: 0

## Enter Bid

### Parameters for Your Bid

User ID:   
Keywords:   
Bid Amount: \$   
Duration:

localhost:8000/validation-1/enter-bid-3.jsf

komik Hukum Menggamb... @bangdzia • Instag... Beautiful Free Imag...

# Enter Bid

## Parameters for Your Bid

User ID:

Keywords:

Bid Amount: \$  Amount must be a number

Duration:  Duration must be a whole number

localhost:8000/validation-1/enter-bid-4.jsf

Hukum Menggamb... @bangdzia • Instag... Beauti

# Enter Bid

## Parameters for Your Bid

User ID:

Keywords:

Bid Amount: \$

Duration:

## Enter Bid

### Parameters for Your Bid

User ID: sads **ID must be 5 or 6 chars**

Keywords: fadfad

Bid Amount: \$ feafaf23424 **Amount must be a number**

Duration: 423424

Send Bid!

## Enter Bid

### Parameters for Your Bid

Blah 1: dasd

Blah 2: adwda

Blah 3: dawd

Blah 4: awda

Blah 5: dawd

Blah 6: adw

Blah 7: dawd

User ID: dawda

Keywords: dadwad

Bid Amount: \$ dawda

Duration: dawda

Send Bid!

localhost:8000/validation-1/enter-bid-6.jsf

komik Hukum Menggamb... @bangdzia • Instag... Beautiful Free Imag...

# Enter Bid

## Parameters for Your Bid

Fix Errors Marked Below

Blah 1:	<input type="text" value="awdaw"/>	
Blah 2:	<input type="text" value="dasd"/>	
Blah 3:	<input type="text" value="adwd"/>	
Blah 4:	<input type="text" value="dawda"/>	
Blah 5:	<input type="text" value="dd"/>	
Blah 6:	<input type="text" value="adwd"/>	
Blah 7:	<input type="text" value="awd"/>	
User ID:	<input type="text" value="dawd"/>	ID must be 5 or 6 chars
Keywords:	<input type="text" value="fajrul"/>	
Bid Amount: \$	<input type="text" value="dawda"/>	Amount must be a number
Duration:	<input type="text" value="dawd"/>	Duration must be a whole number

Send Bid!

## Validation 2

The image shows a web browser window with the address bar displaying `localhost:8000/validation-2/`. The page has a dark header with navigation links: [Apl](#), [komik](#), [Hukum Menggamb...](#), [@bangdzia • Instag...](#), and [Beautiful Free](#). The main content area has a light blue background with a title **JSF Validation Part 2** in a blue box. Below the title is a list of links and descriptions:

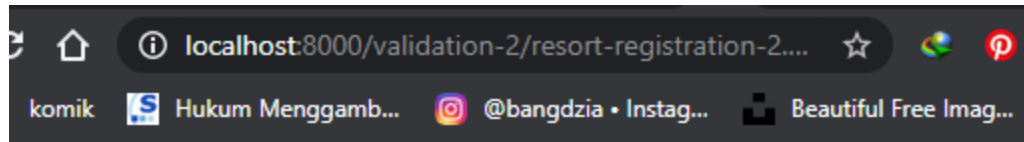
- [resort-registration-1.jsf](#)  
Manual validation.
- [resort-registration-2.jsf](#)  
Validation based on a custom validator method.
- [calculator.jsf](#)  
Internationalization (localization) for error messages.
- [bug-report-1.jsf](#)  
Using the MyFaces Commons validators (no PrimeFaces).
- [bug-report-2.jsf](#)  
Using the MyFaces Commons validators (with PrimeFaces).

Below the list is another browser window showing the URL `localhost:8000/validation-2/resort-registration-1...`. The header is similar, with links: [komik](#), [Hukum Menggamb...](#), [@bangdzia • Instag...](#), and [Beautiful Free Imag...](#). The main content area has a light blue background with a title **Register for the JSF Resort** in a blue box. Below the title is a section titled **Example Using Manual Validation** in a blue box. The form contains two text input fields:

Start date (mm/dd/yyyy):

End date (mm/dd/yyyy):

Below the input fields is a



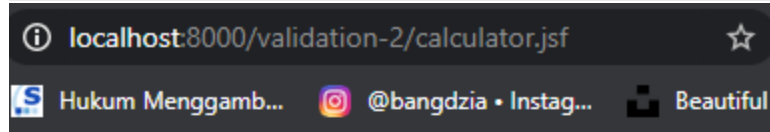
## Register for the JSF Resort

### Example Using Custom Validator Method

Start date (mm/dd/yyyy):

End date (mm/dd/yyyy):

Requested room number:



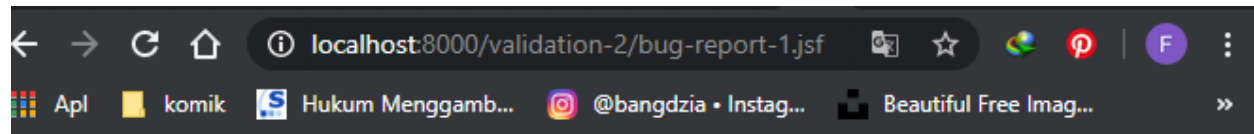
## Calculator

### Calculator



First number:

Second number:



## 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:	<input type="text"/>
URL containing the problem:	<input type="text"/>
Email address:	<input type="text"/>
Credit card number:	<input type="text"/>
Reenter card number:	<input type="text"/>
Problem description:	<input type="text"/>
<input type="button" value="Submit Report"/>	

← → ↻ 🏠 ⓘ localhost:8000/validation-2/bug-report-2.jsf 📄 ☆ 🌐 📌 F ⋮

Apl komik Hukum Menggamb... @bangdzia • Instag... Beautiful Free Imag... »

## 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 with PrimeFaces**

Name or nickname:

URL containing the problem:

Email address:

Credit card number:

Reenter card number:

Problem description:

**Submit Report**

Saya menggunakan port 8000 pada tomcat karena port 8080 sudah terpakai dan tidak bisa di taskkill