

Nama : Faiza Awalia

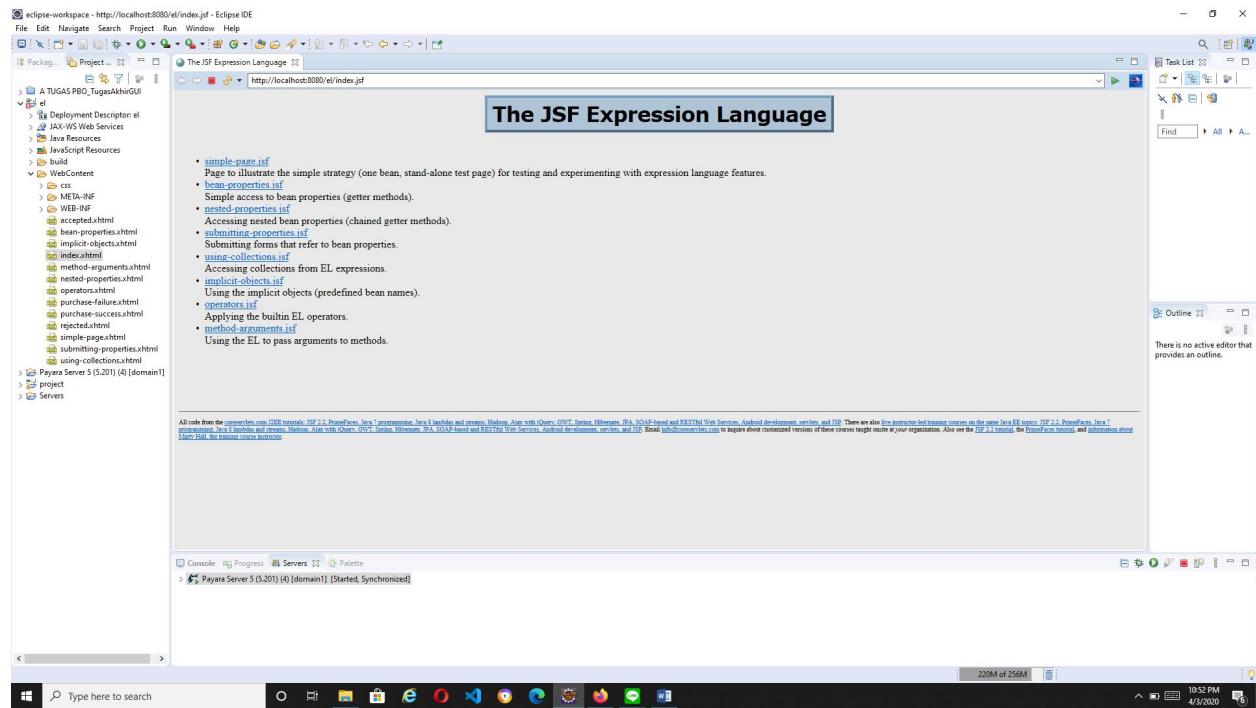
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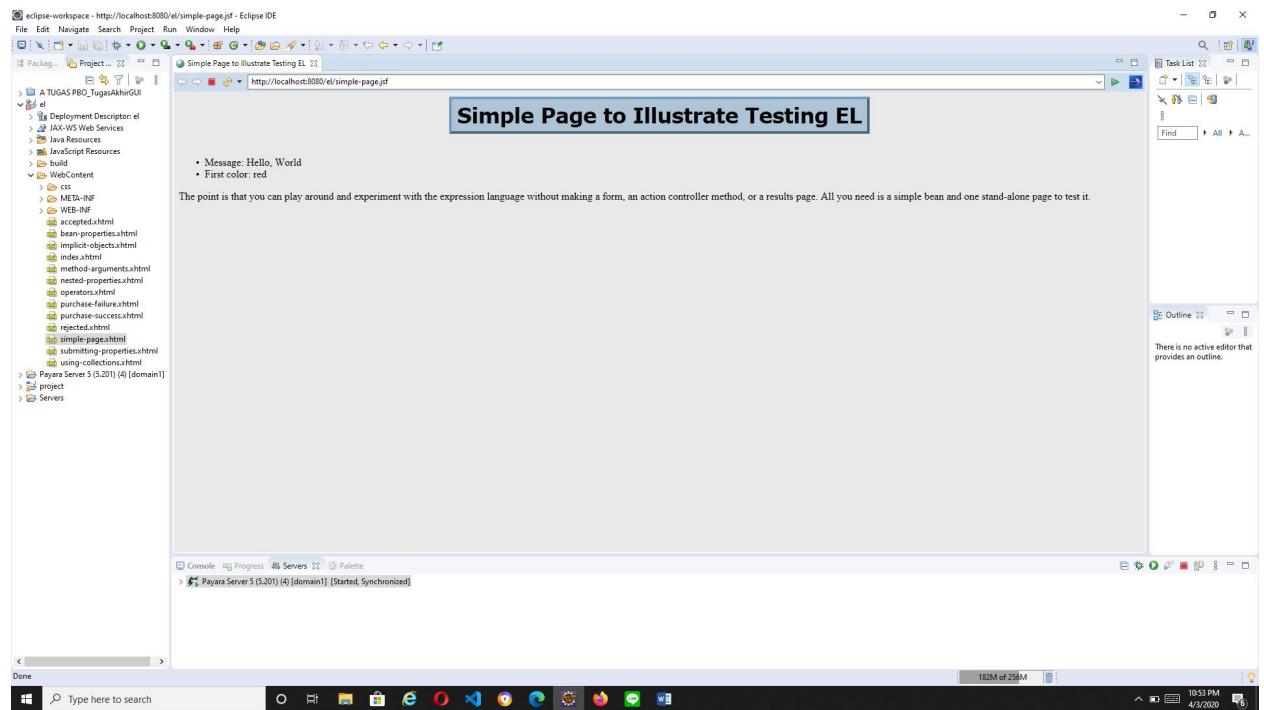
# TUGAS RPLBK

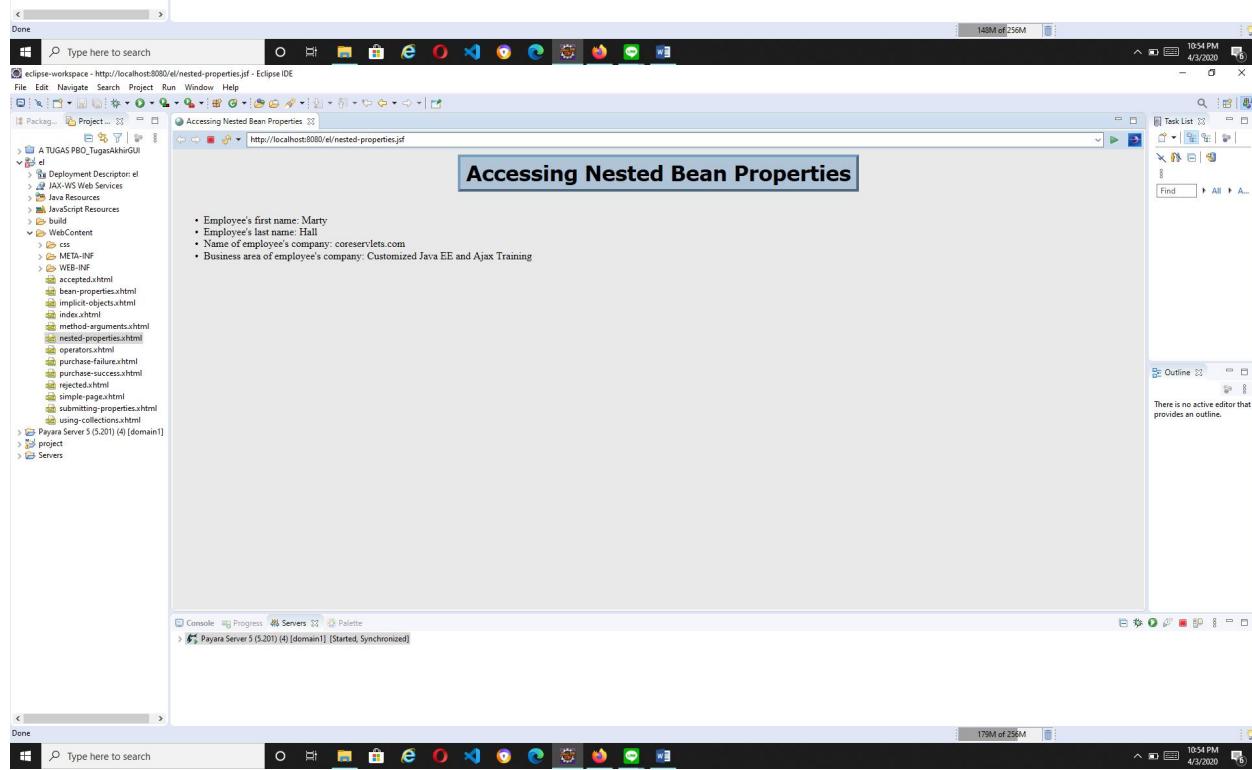
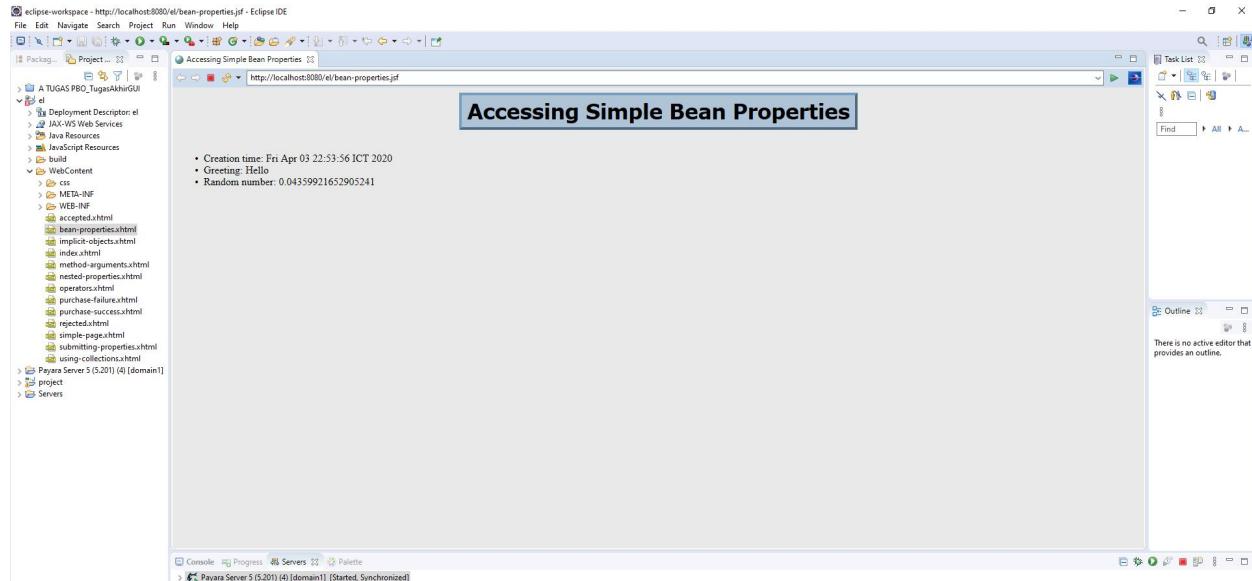
## JSF 2 Tutorial Series

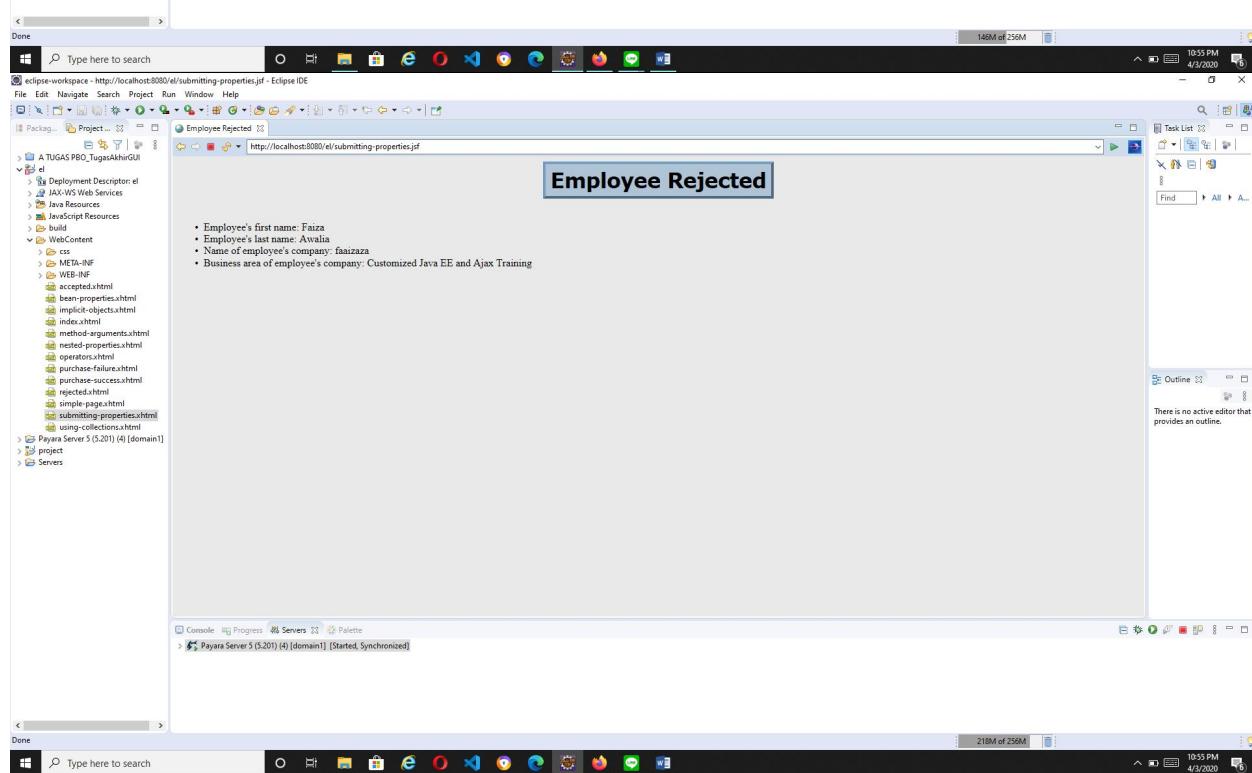
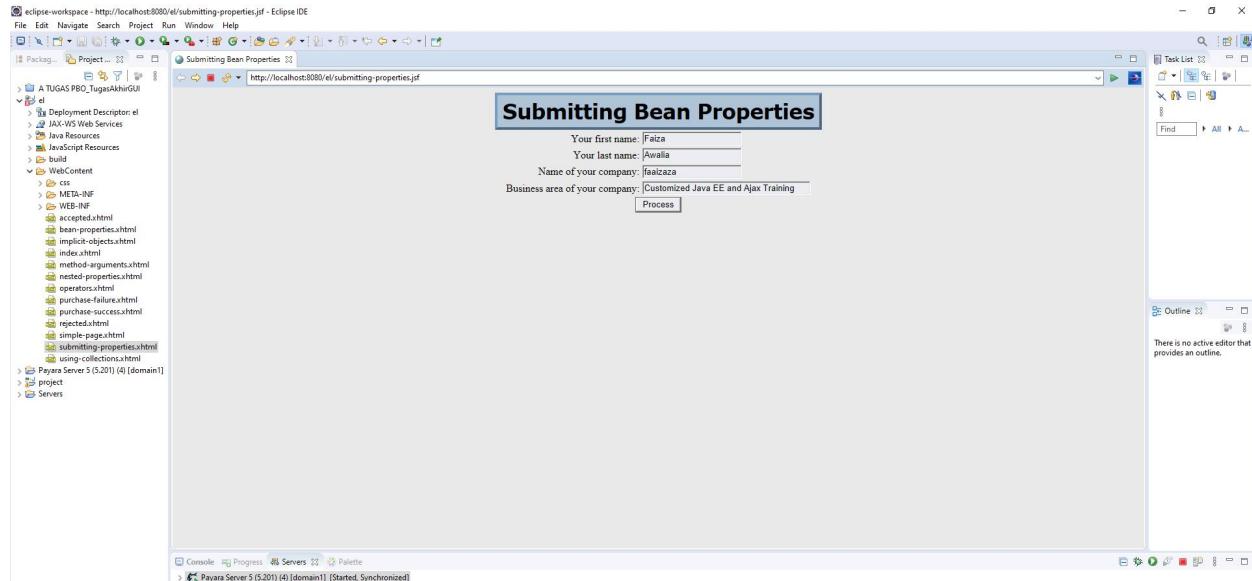
### JSF 2 with Facelets, Ajax, and PrimeFaces

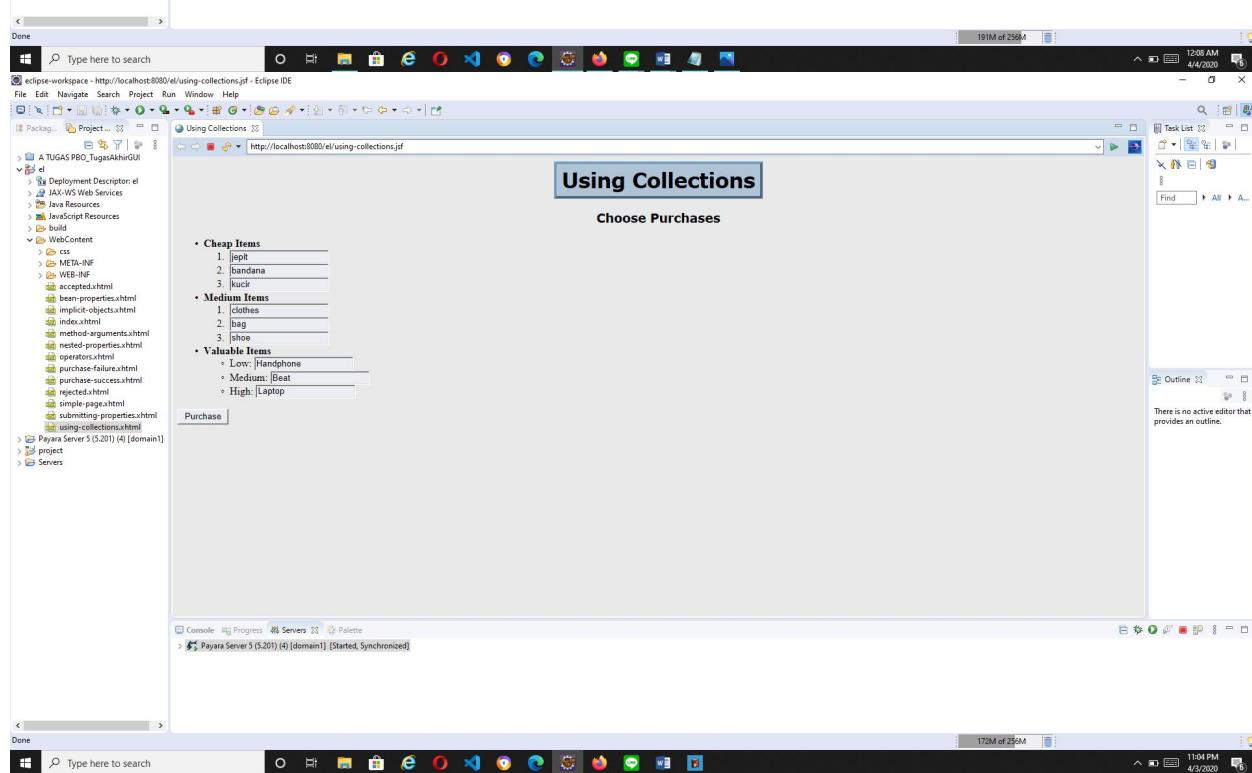
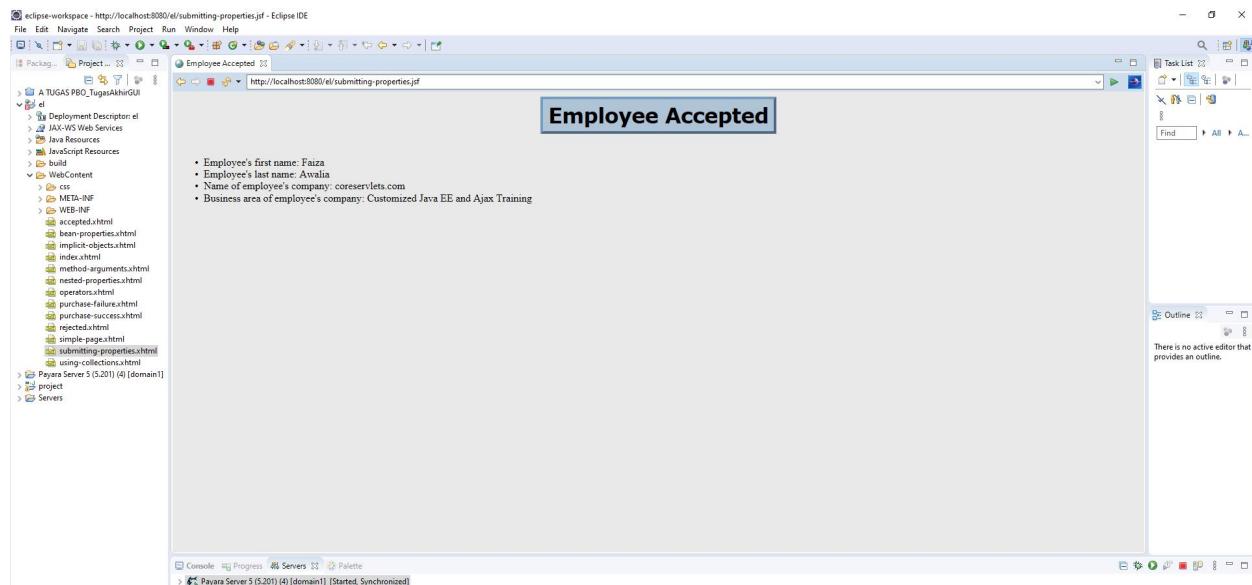
#### • The JSF 2 Expression Language

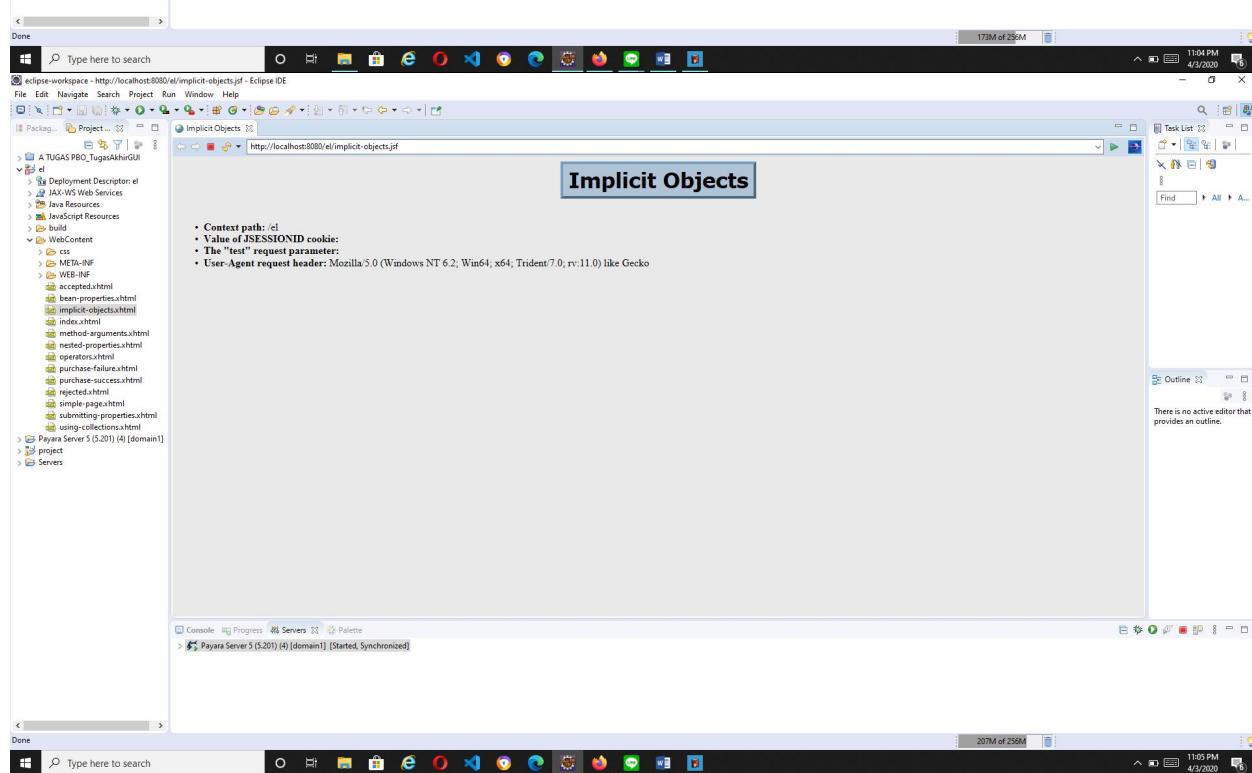
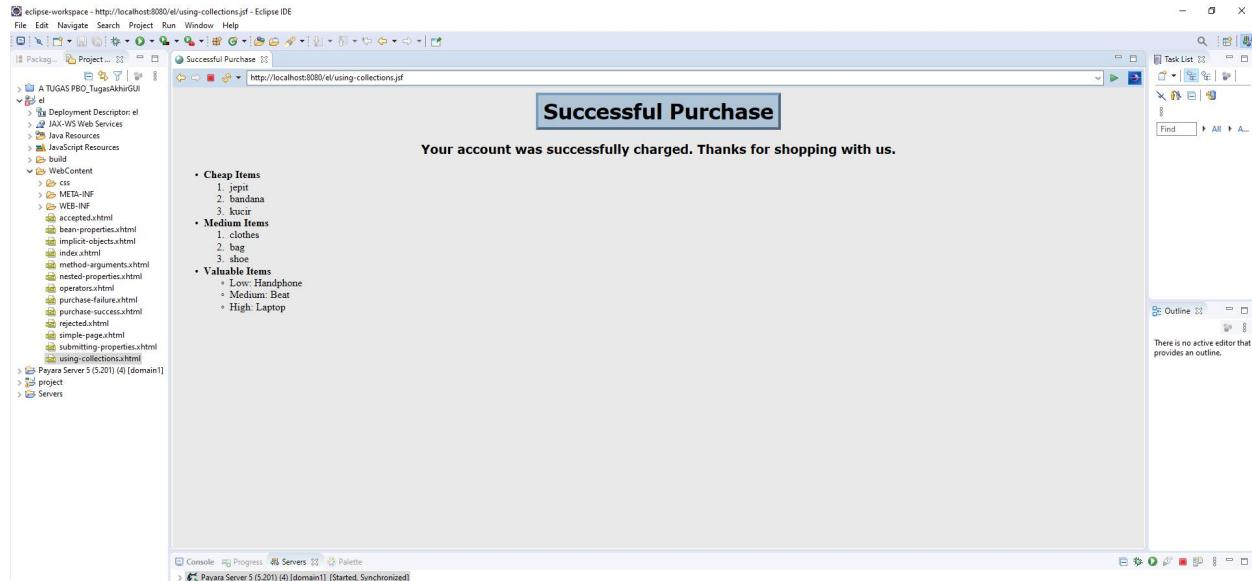












**EL Operators**

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

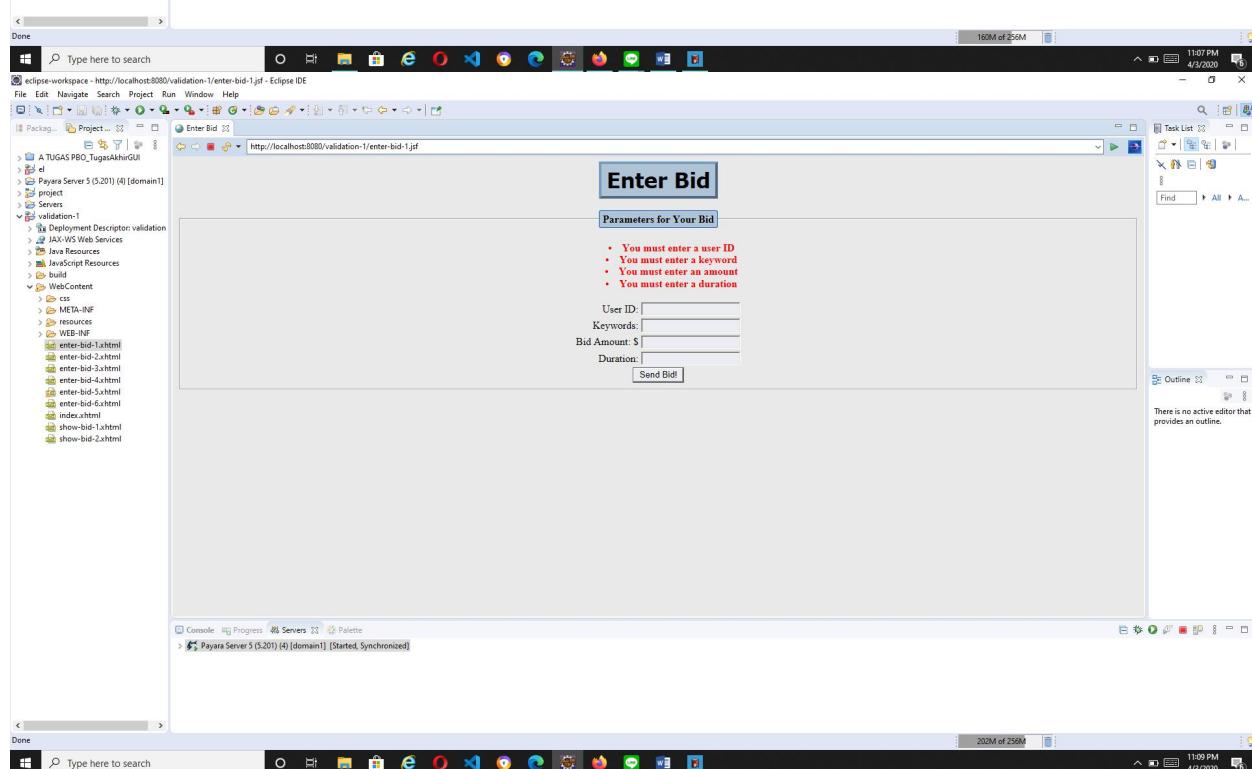
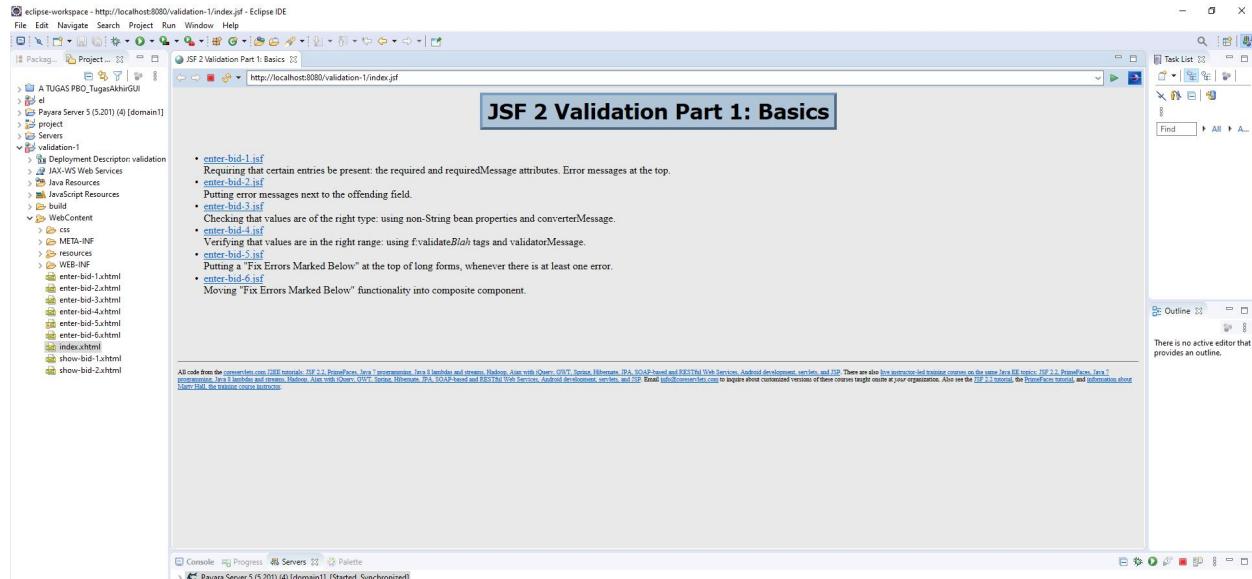
**Logical Operators**

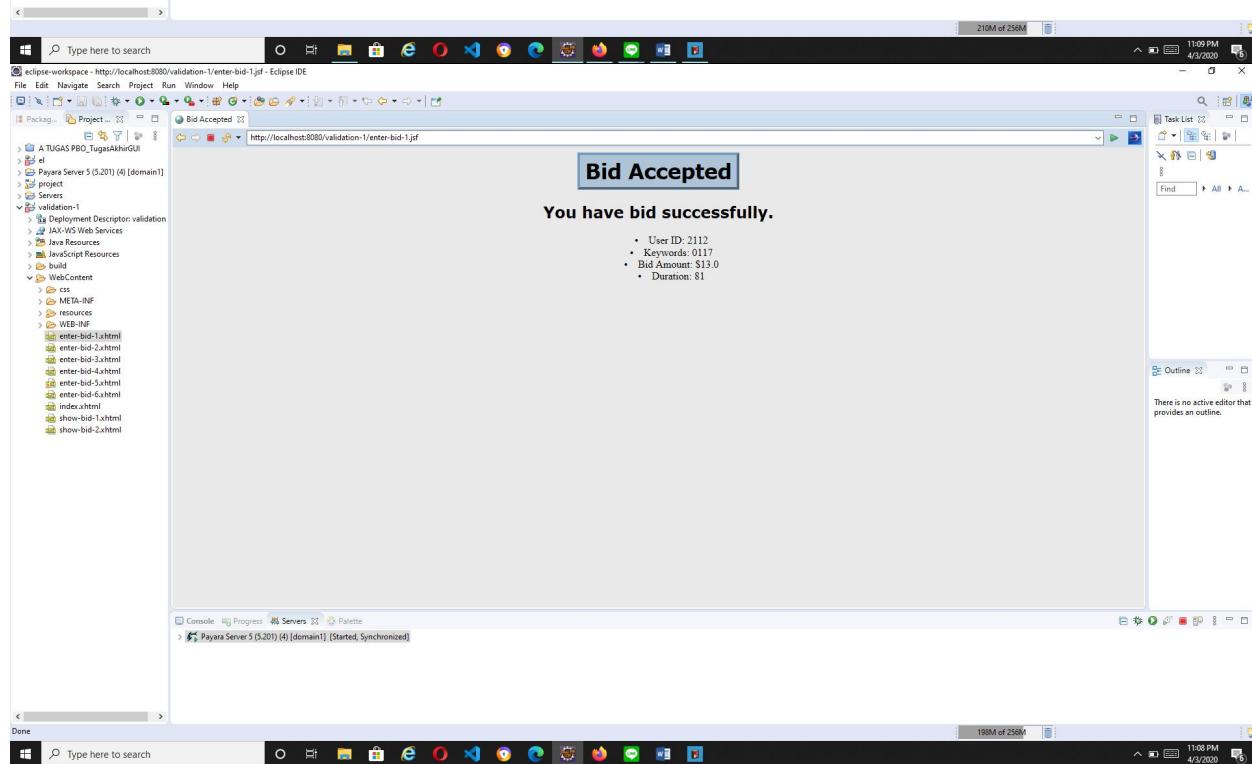
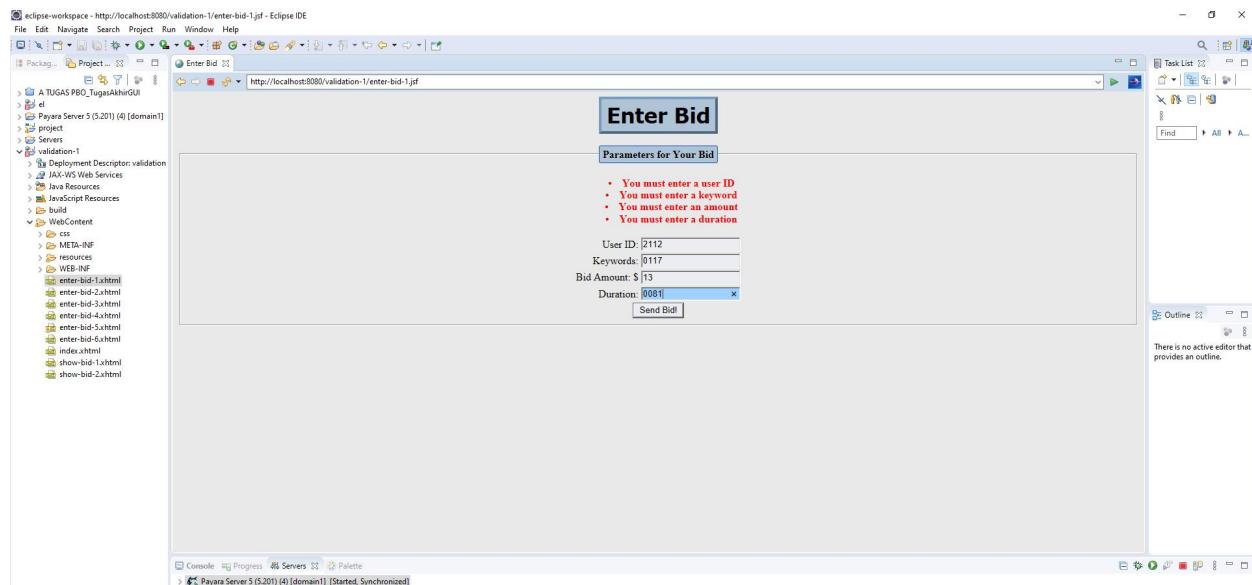
| empty Operator           |        |
|--------------------------|--------|
| Expression               | Result |
| #((1 lt 2) and (4 lt 3)) | false  |
| #(empty "")              | true   |
| #((1 lt 2) or (4 lt 3))  | true   |
| #(empty null)            | true   |
| #(!((1 lt 2)))           | false  |
| #(empty param.blah)      | true   |

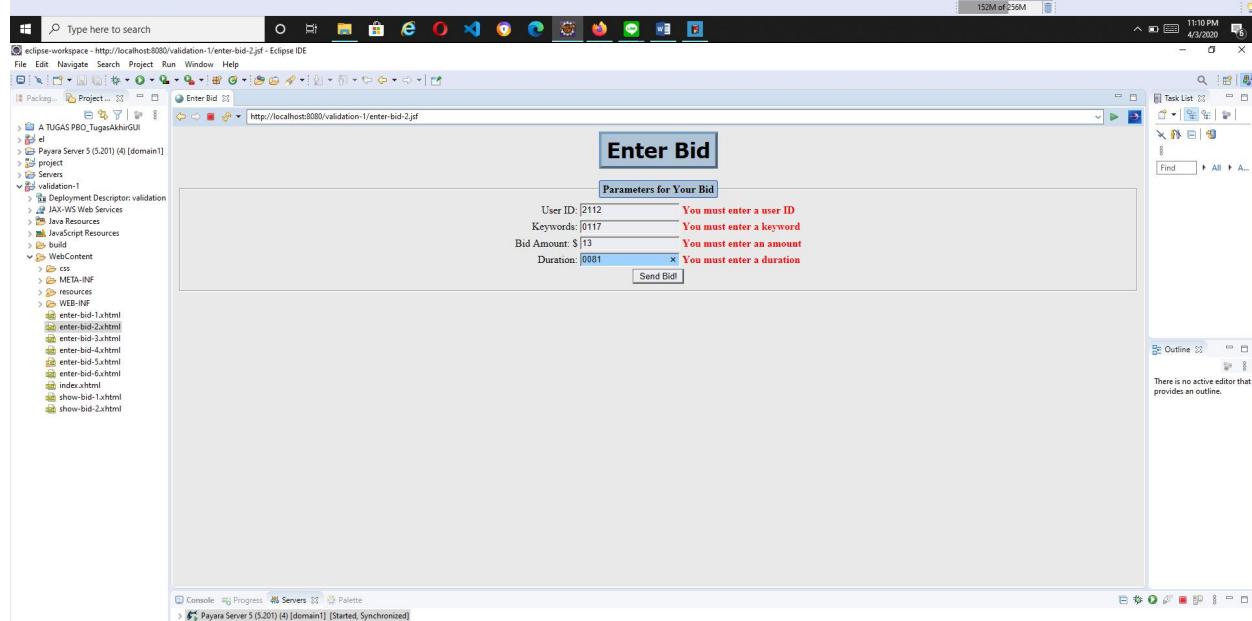
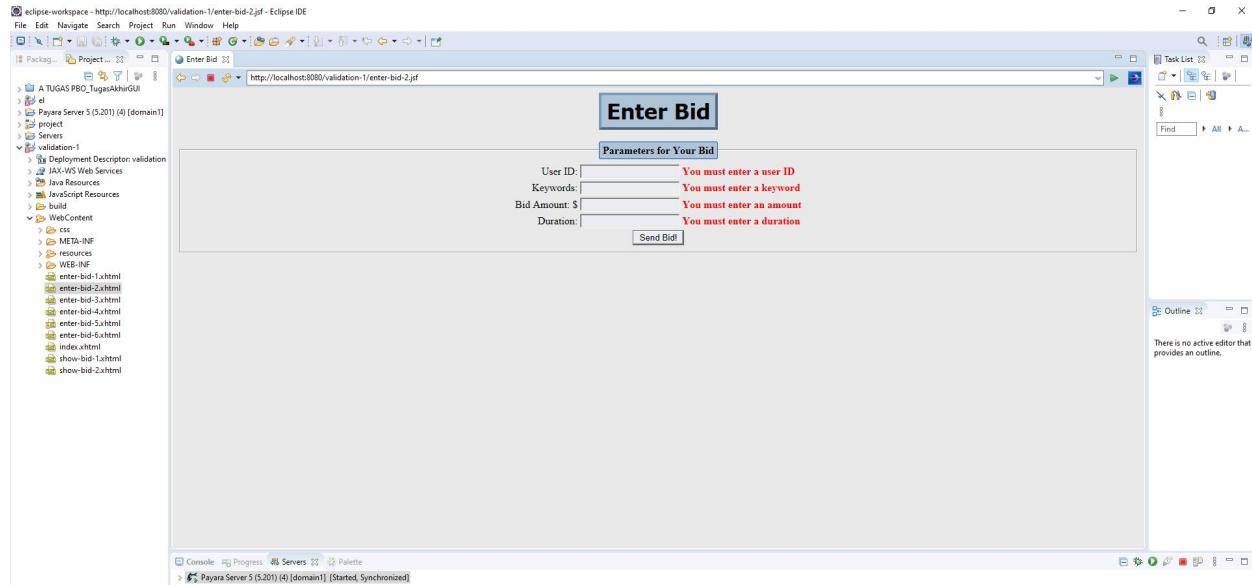
**Supplying Arguments to EL Methods**

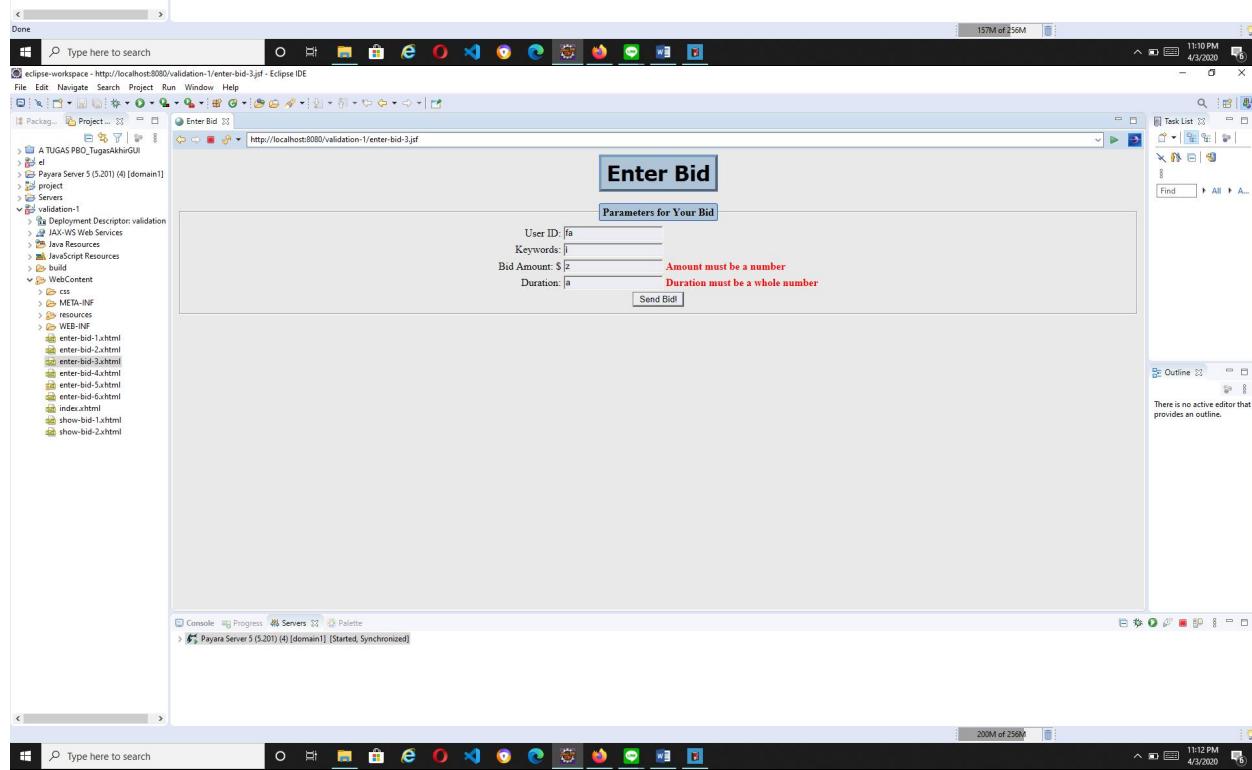
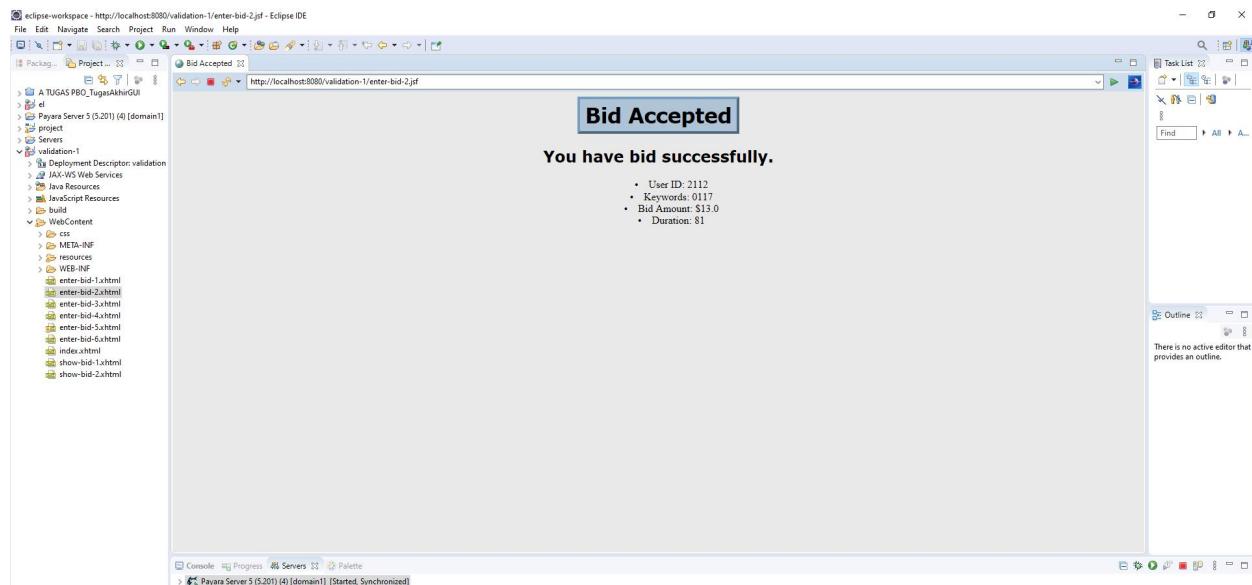
- English greeting: Hello!
- Spanish greeting:Hola!
- Default greeting:Hello!
- Small random number: 0.9759196191543235
- Big random number: 194.70562544286062
- Random greeting: [Hola!]

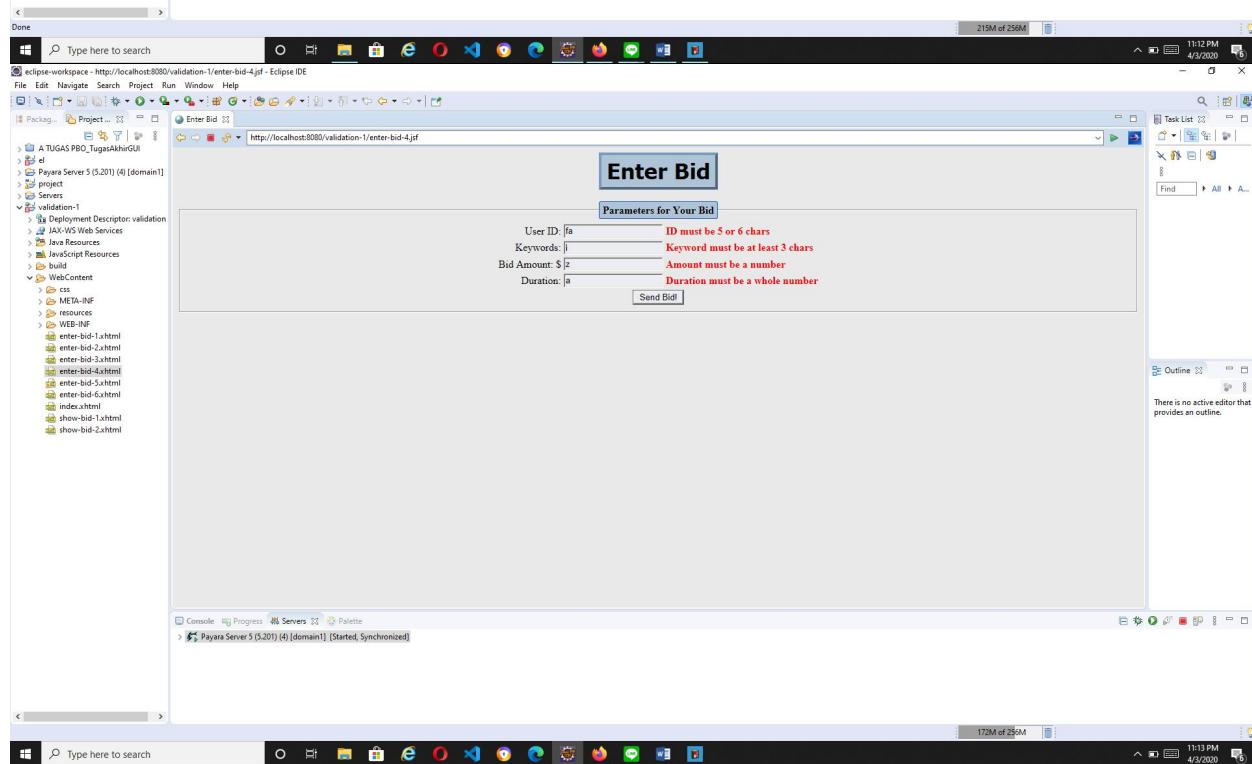
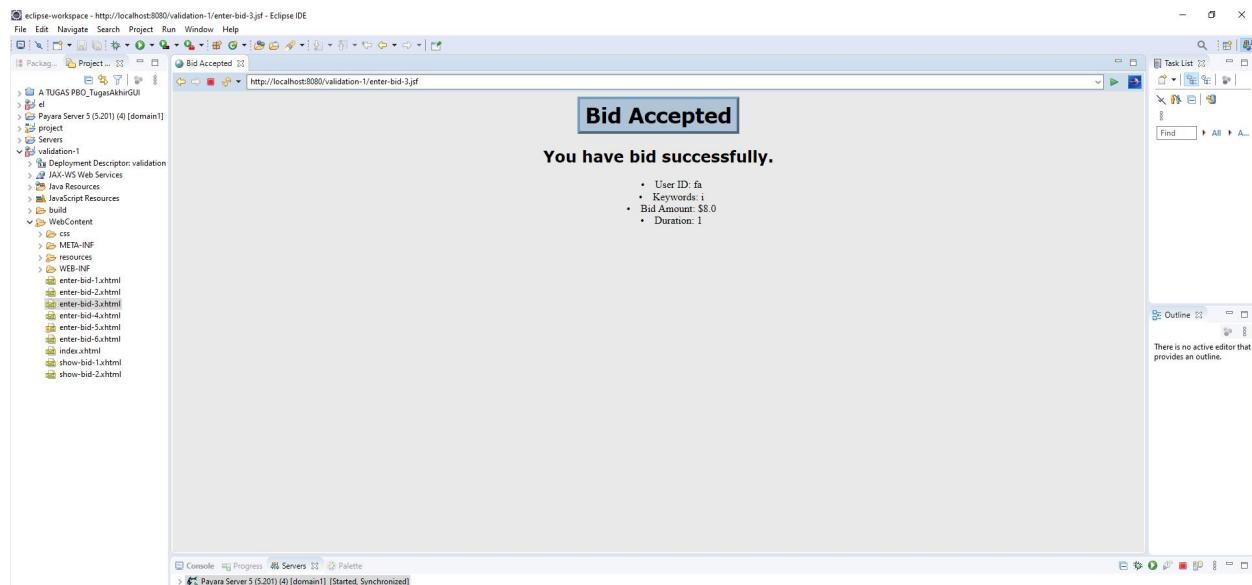
## • Validating User Input Part 1 : Basics

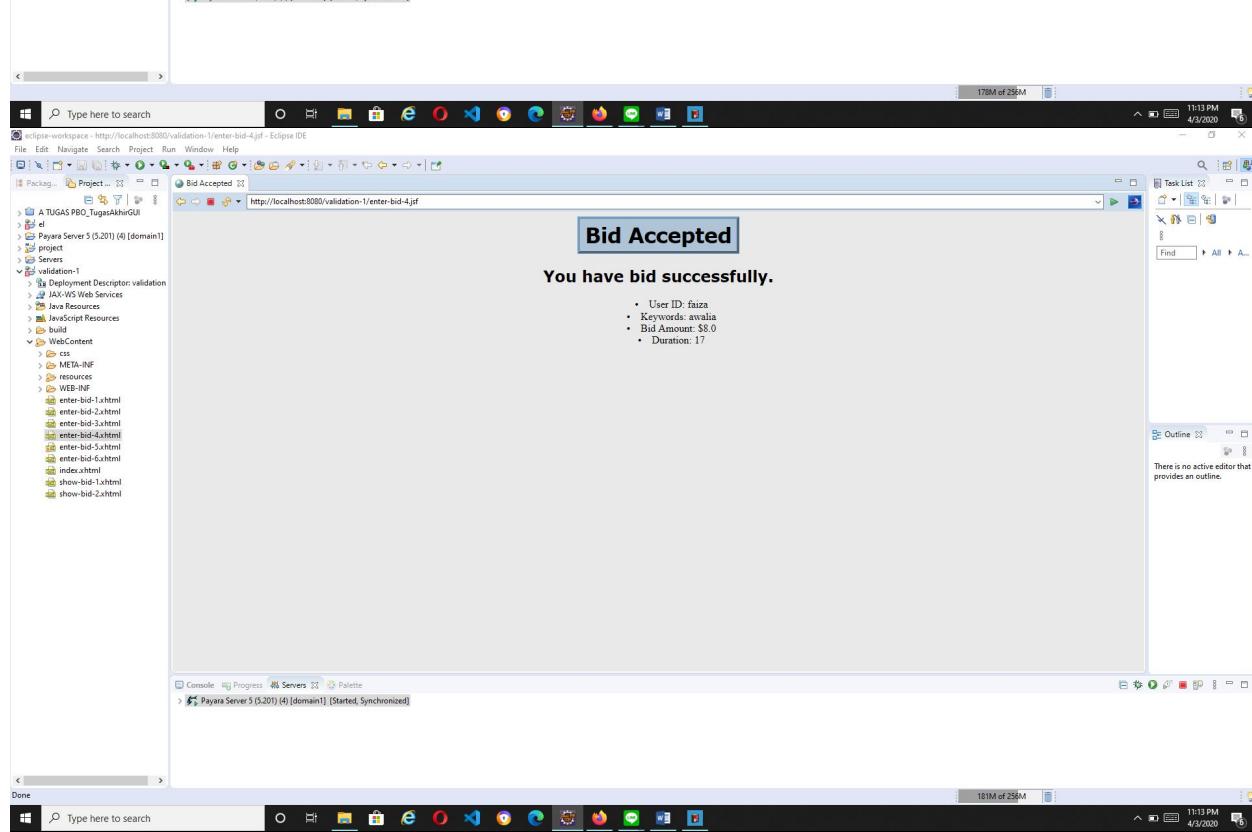
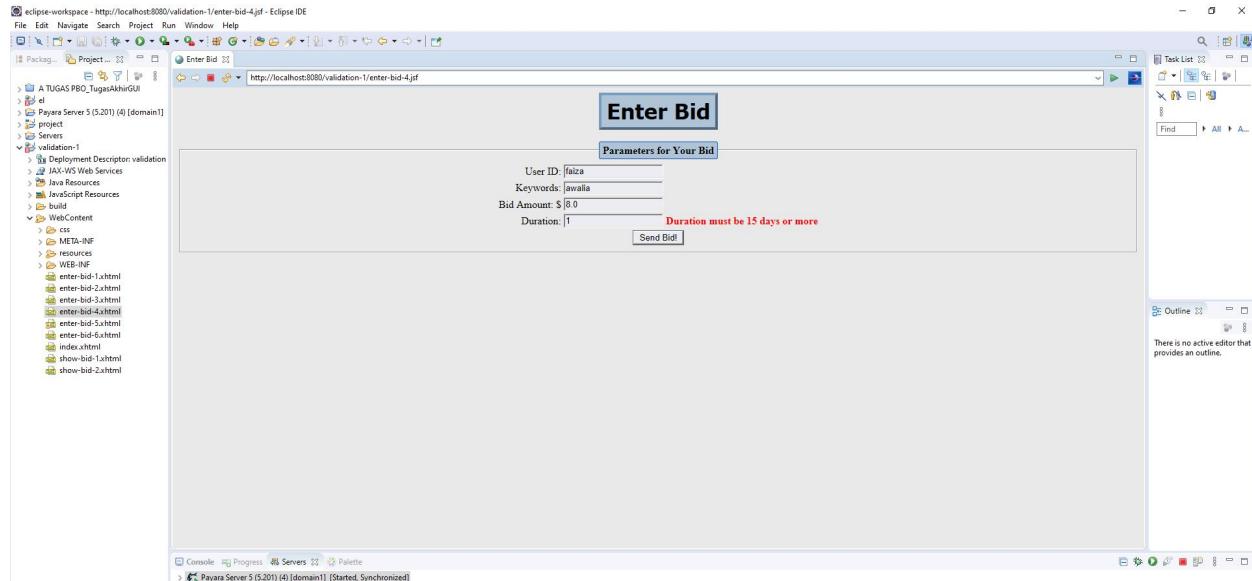


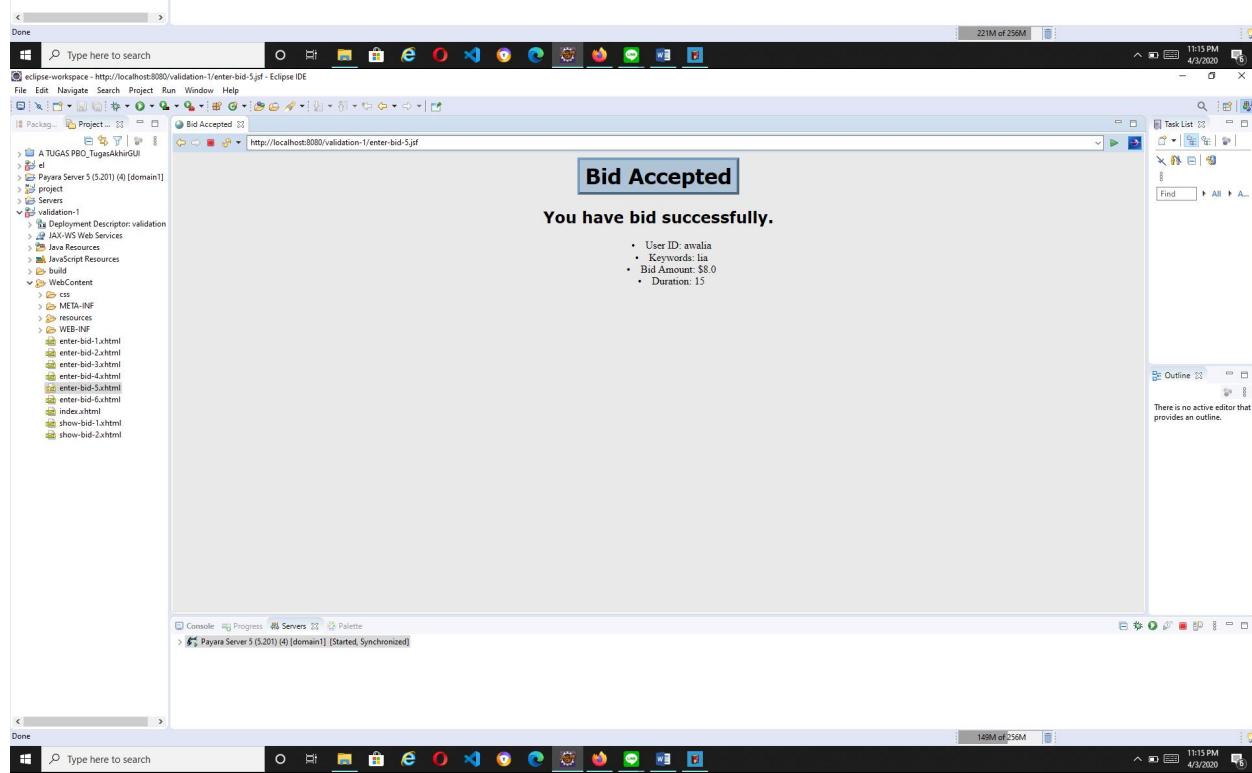
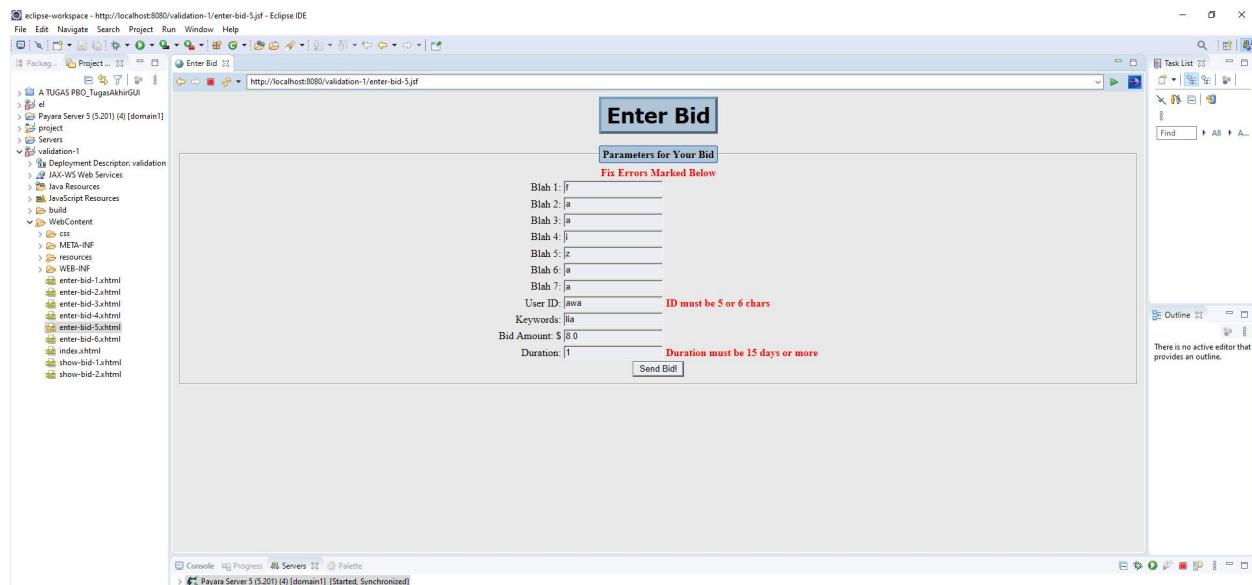












The image shows three screenshots of an Eclipse IDE interface, illustrating a web application development process.

**Screenshot 1: Enter Bid Form**

The screenshot displays the "Enter Bid" form. The URL in the browser is <http://localhost:8080/validation-1/enter-bid-6.jpf>. The form contains several input fields with invalid data:

- Blah 1:
- Blah 2:
- Blah 3:
- Blah 4:
- Blah 5:
- Blah 6:
- Blah 7:
- User ID:
- Keywords:
- Bid Amount:
- Duration:

Validation errors are shown in red:

- Keyword must be at least 3 chars
- Duration must be 15 days or more

**Screenshot 2: Bid Accepted Confirmation**

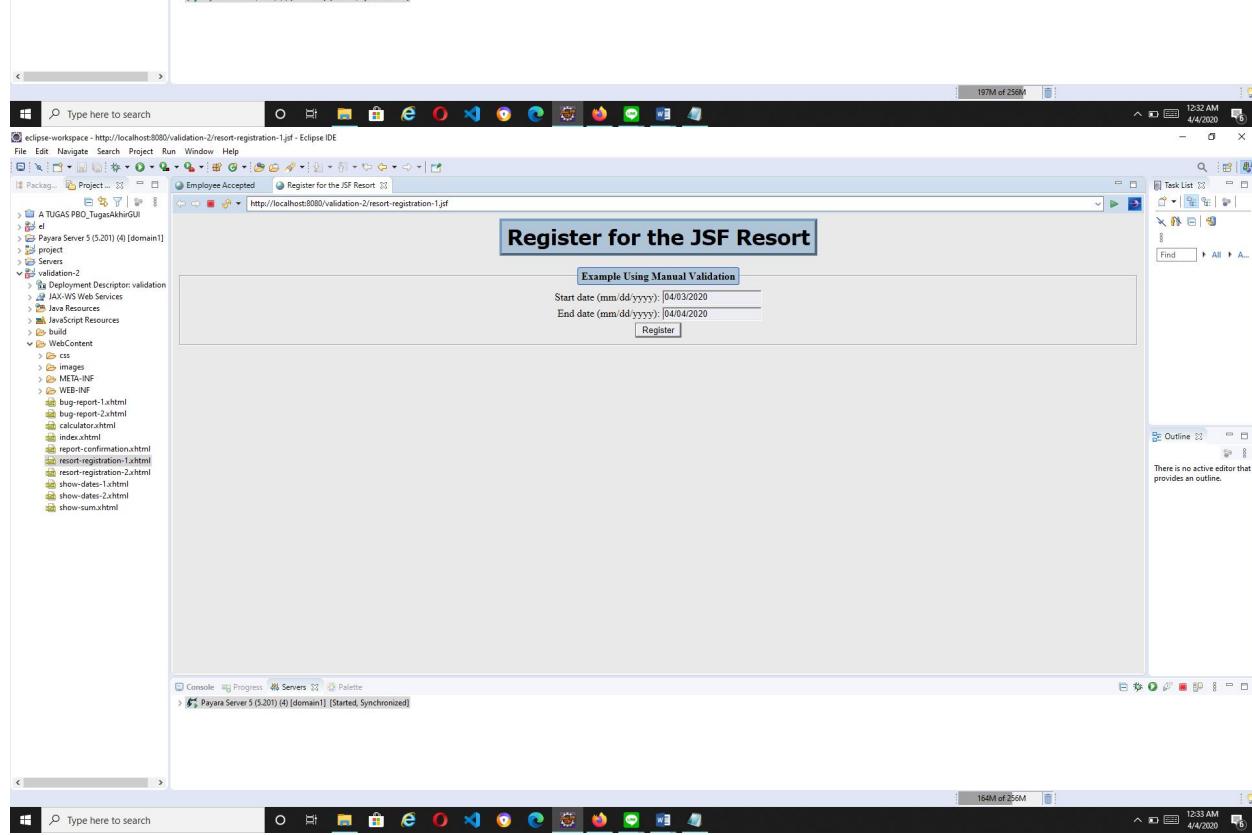
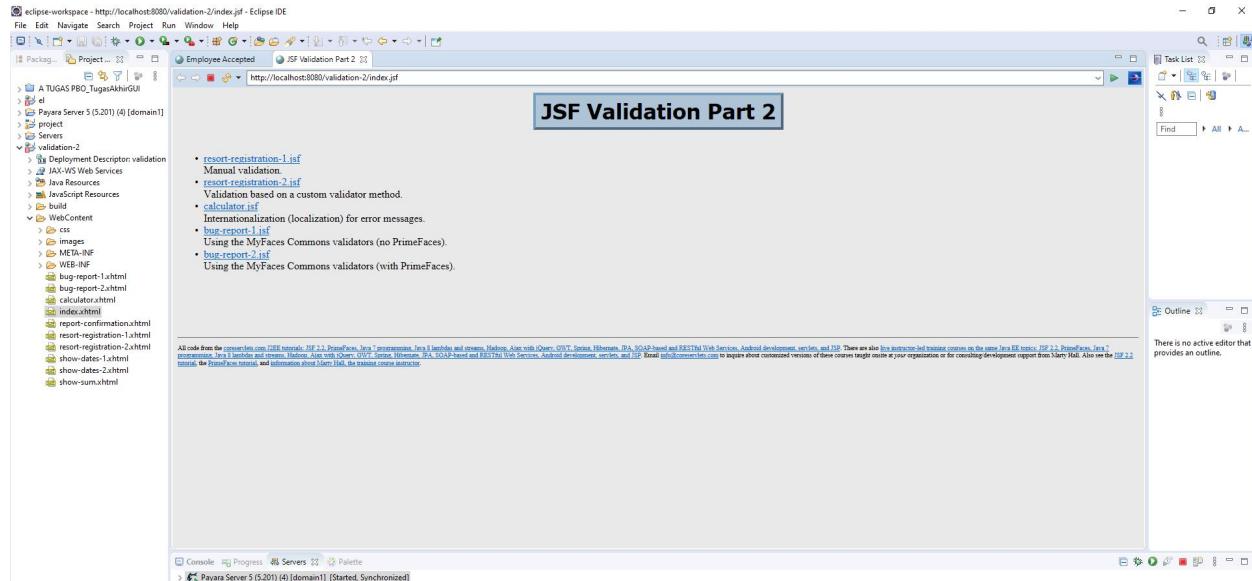
The screenshot shows the confirmation message "Bid Accepted" and "You have bid successfully." Below the message, a bulleted list summarizes the bid details:

- User ID: undip
- Keywords: 123
- Bid Amount: \$1.0
- Duration: 17

**Screenshot 3: Payara Server Status**

The screenshot shows the Payara Server 5 (5.201) (4) [domain1] status as [Started, Synchronized]. The server status bar indicates 189M of 299M memory usage at 11:48 PM on 4/3/2020.

## • Validating User Input Part 2 : Advanced Features



**Reservation Confirmed**

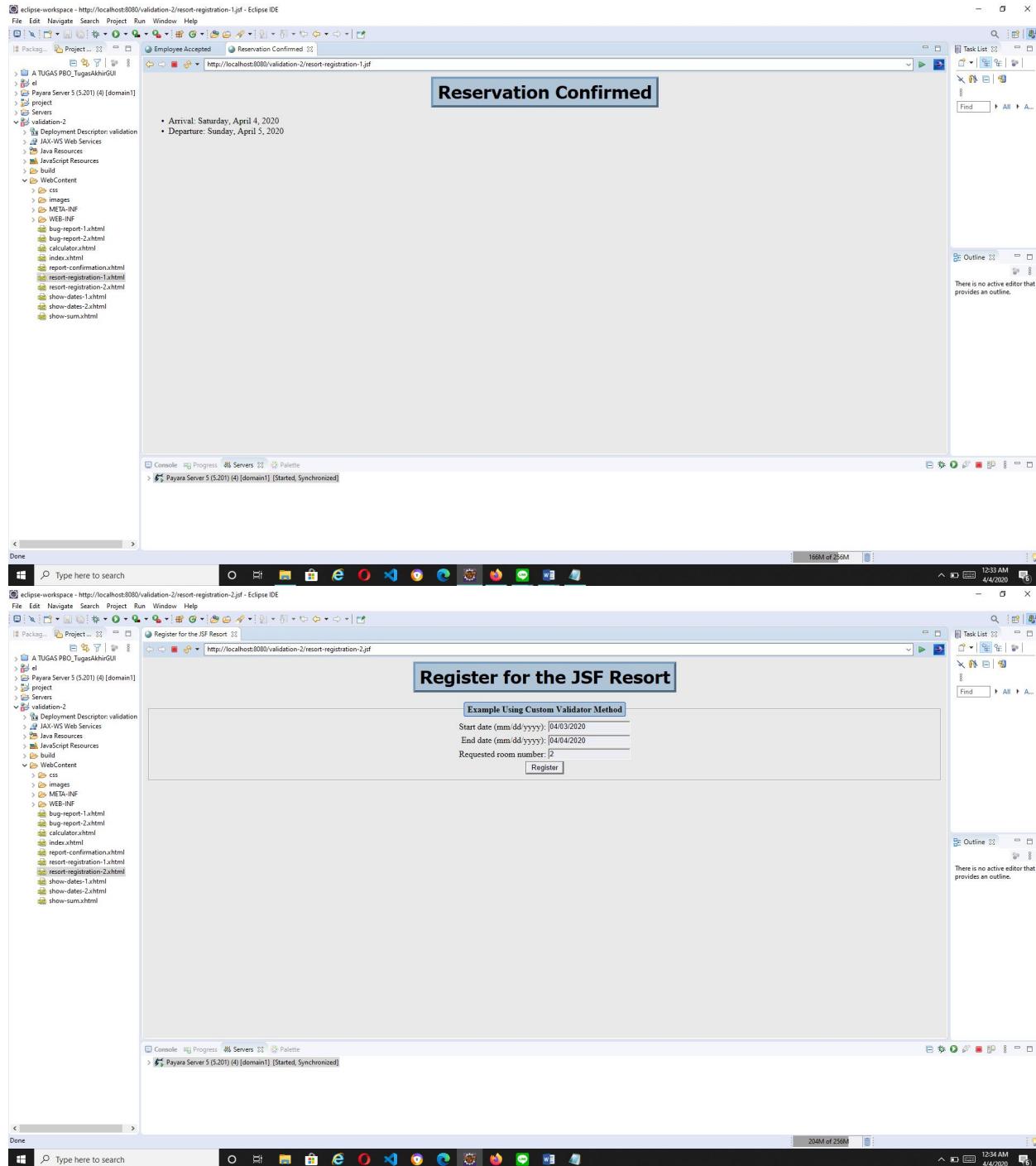
- Arrival: Saturday, April 4, 2020
- Departure: Sunday, April 5, 2020

**Register for the JSF Resort**

Example Using Custom Validator Method

Start date (mm/dd/yyyy): 04/03/2020  
End date (mm/dd/yyyy): 04/04/2020  
Requested room number: 2

Register



**Eclipse IDE - Reservation Confirmed**

Arrival: Saturday, April 4, 2020  
 Departure: Sunday, April 5, 2020  
 Room number: 2

**Eclipse IDE - Calculator**

Calculator

First number:  Second number:  Compute Sum

**Eclipse IDE - Reservation Confirmed**

Arrival: Saturday, April 4, 2020  
 Departure: Sunday, April 5, 2020  
 Room number: 2

**Eclipse IDE - Calculator**

Calculator

First number:  Second number:  Compute Sum

**Eclipse IDE - eclipse-workspace - http://localhost:8080/validation-2/calculator.jpf - Eclipse IDE**

The screenshot shows the Eclipse IDE interface with the following details:

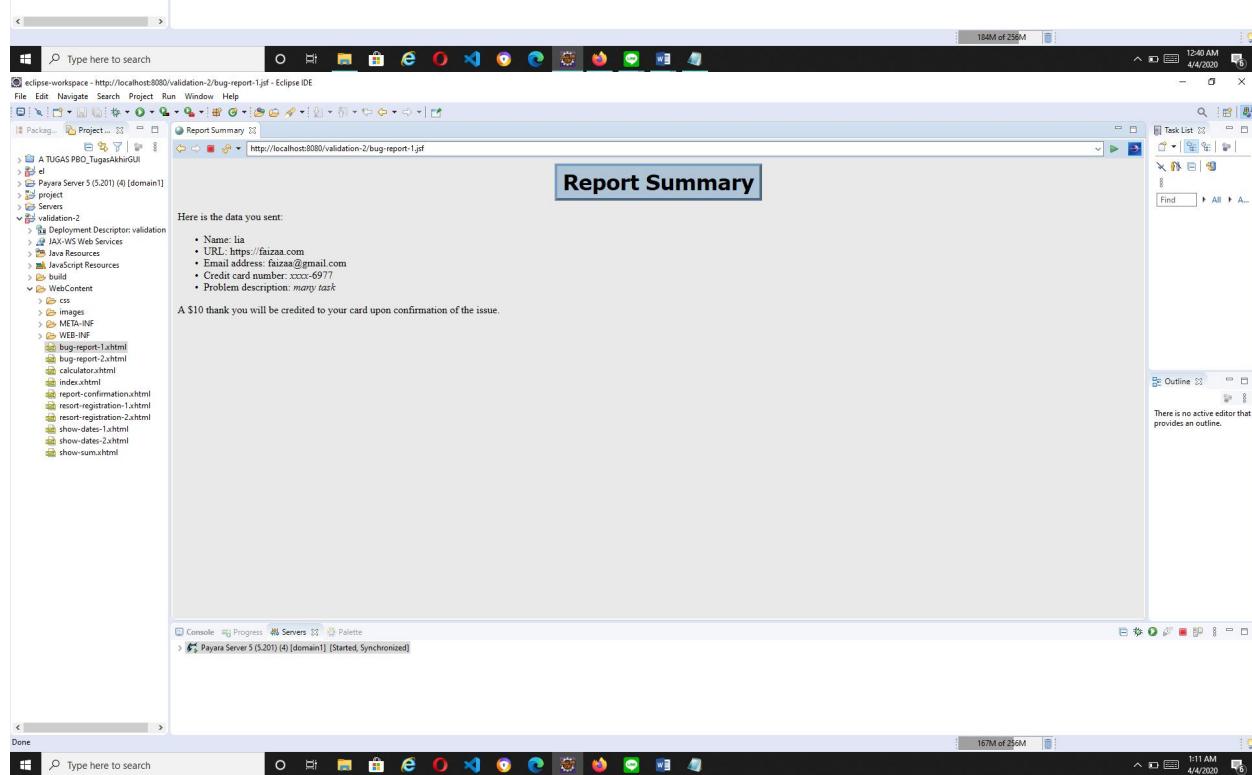
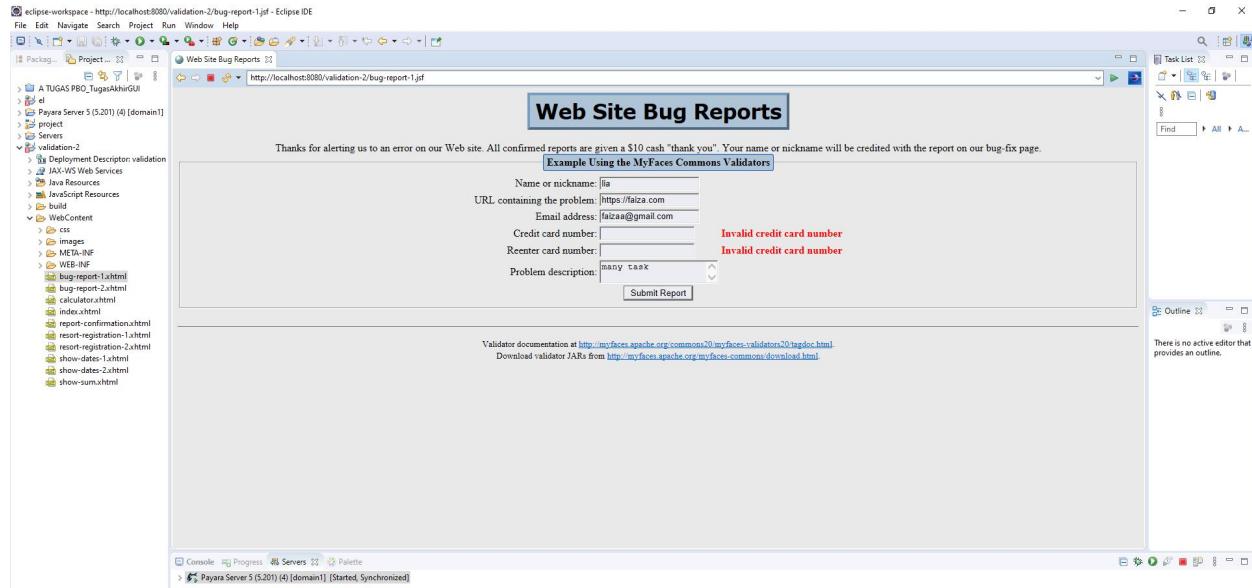
- Project Explorer:** Shows the 'TUGAS PRO.TugasAkhirGUI' project structure, including 'validation-2', 'calculator', 'index', 'show-sum', and 'show-dates' subfolders.
- Browser View:** Displays the URL <http://localhost:8080/validation-2/calculator.jpf>. The page title is 'Sum' and the content shows the calculation **8 + 1 = 9**.
- Servers View:** Shows 'Payara Server 5 (5.201) [4] [domain1]' is started and synchronized.
- Task List:** Shows no active editor that provides an outline.
- Outline:** Shows no active editor that provides an outline.

**Eclipse IDE - eclipse-workspace - http://localhost:8080/validation-2/bug-report-1.jpf - Eclipse IDE**

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the 'TUGAS PRO.TugasAkhirGUI' project structure, including 'validation-2', 'calculator', 'index', 'show-sum', and 'show-dates' subfolders.
- Browser View:** Displays the URL <http://localhost:8080/validation-2/bug-report-1.jpf>. The page title is 'Web Site Bug Reports' and it says '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.' Below this is a form titled 'Example Using the MyFaces Commons Validators'.
- Form Fields:**
  - Name or nickname:
  - URL containing the problem:
  - Email address:
  - Credit card number:
  - Reenter card number:
  - Problem description:
- Servers View:** Shows 'Payara Server 5 (5.201) [4] [domain1]' is started and synchronized.
- Task List:** Shows no active editor that provides an outline.
- Outline:** Shows no active editor that provides an outline.



**Eclipse IDE - Web Site Bug Reports**

Thanks 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**

More PrimeFaces info at <http://www.coreserclets.com/JSF-Tutorial/primefaces/>.

**Report Summary**

**lia (faizaa@gmail.com) reported "any task" for https://faizaa.com. On confirmation of problem, \$10 will be credited to xxxx-6977.**

**Submit Report**

More PrimeFaces info at <http://www.coreserclets.com/JSF-Tutorial/primefaces/>.