

Web Component Development with Servlet & JSP Technologies (EE 6)

Module-3: Implementing an MVC Design

Team Emertxe

ORACLE®

Certified Expert

Java EE 6 Web
Component Developer



Objectives



Upon completion of this module, you should be able to:

- Implement the controller design using a Servlet
- Implement the model design using a POJO
- Implement the view design element using a JSP and the expression language(EL)
- Connect the model view and controller element to implement a working MVC solution

Relevance



Discussion - The following questions are relevant to understanding how to develop a controller component:

- How can you implement the controller?
- How can you implement the model?
- How can you implement the view?

Forwarding From a Servlet to a JSP

The mechanism used to invoke the JSP page is called forwarding. Code to perform this is shown below.

```
RequestDispatcher rd =  
request.getRequestDispatcher("view.jsp");  
rd.forward(request, response);
```



Passing Data From the Servlet to JSP



```
ServletRequest.getAttribute(String key)  
ServletRequest.setAttribute(String key, Object value)
```

So, if a controller servlet writes a data item into an attributed using the following code:

```
request.setAttribute("aValue", 99);
```

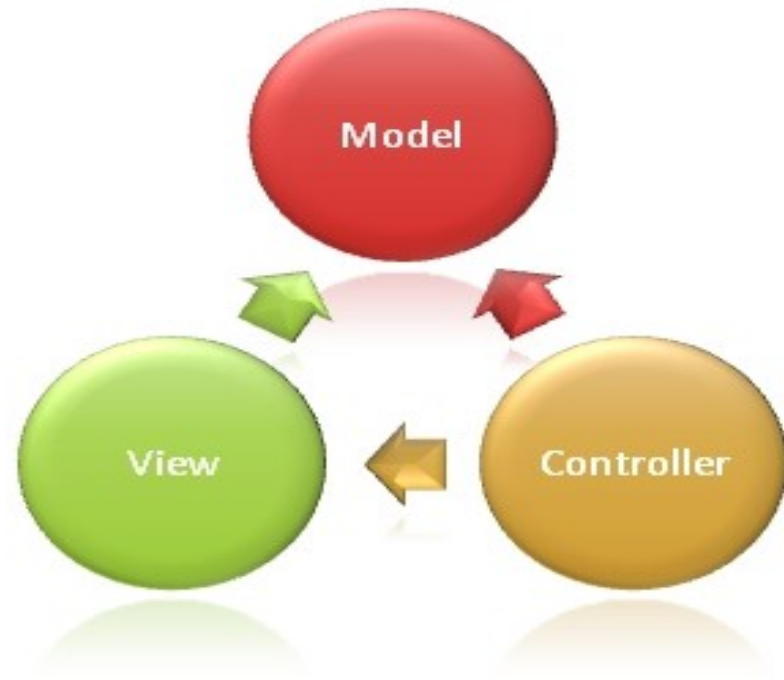
Then the value can be read in a JSP page using this syntax:

```
${aValue}
```

A Complete MVC Example

To create a complete MVC, we need the following:

1. Controller class
2. The model class
3. JSP page



Stay connected



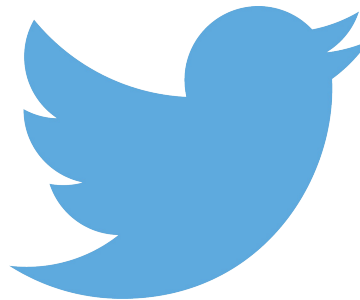
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