

QUESTION BANK

MODULE NAME: Developing Applications Using Java Web Frameworks

Category - Simple

1) Fill in the Blank with single option:

_____ obtains data from the model and presents it to the user.

- ☐ a) Controller
- ☒ b) View
- ☐ c) Model
- ☐ d) Accessor

2) Fill in the Blank with single option:

The _____ class holds the information about the action and the associated interceptors.

- ☐ a) ActionProxy
- ☒ b) ActionInvocation
- ☐ c) ActionMapper
- ☐ d) Action

3) Fill in the Blank with single option:

The _____ element is used to define the Interceptor stack.

- ☐ a) interceptor
- ☒ b) interceptor-stack
- ☐ c) interceptor-ref
- ☐ d) Interceptor-name

4) Select the correct answer with single option:

_____ is a storage area that holds the data associated with the processing of a request.

- ☐ a) Action
- ☐ b) Temporary objects
- ☒ c) ValueStack
- ☐ d) Heap

5) Fill in the Blank with single option:

The _____ file contains the configuration of the JSF application.

- ☒ a) `faces-config.xml`
- ☐ b) `web.xml`
- ☐ c) `struts-config.xml`
- ☐ d) `beans.xml`

Category - Average

1) Select the correct answers with multiple options:

Which of the following are the correct functionalities of Struts 2 actions?

- ☒ a) Transfer the data from the request to the View
- ☒ b) Determine the correct view that is to be rendered in response
- ☐ c) Capture inputs and create class for obtaining inputs
- ☐ d) Perform cleanup of the ActionContext object and ensures no memory leak

2) Select the correct answer with single option:

Which of the following option shows valid constant string value indicating that the action could not execute, as the user is not logged in.

- ☐ a) `static String ERROR="error"`
- ☒ b) `static String LOGIN="login"`
- ☐ c) `static String SUCCESS="success"`
- ☐ d) `static String NONE="none"`

3) Select the correct answers with multiple options:

Which of the following interfaces provide programmatic and declarative validations in Struts 2 framework?

- ☒ a) `Validation`
- ☒ b) `ValidationAware`
- ☐ c) `Validator`
- ☐ d) `ValidateAction`

4) Select the correct answer with single option:

Which of the following class provides the default state and behavior for all UI components in JSF?

- ☒ a) `UIComponentBase`
- ☐ b) `UIInput`
- ☐ c) `UIComponentInput`
- ☐ d) `UIComponentFactory`

5) Select the correct answer with a single option:

Which of the following code snippet shows the configuration for handling navigation in JSF?

- ☐ a)

```
<navigation-case>
    <from-view-id>/pages/register.jsp</from-view-id>
    <from-outcome>success</from-outcome>
    <to-view-id>/pages/welcome.jsp</to-view-id>
</navigation-case>
```
- ☐ b)

```
<navigation-rule>
    <from-view>/pages/register.jsp</from-view>
<navigation-case>
    <from-outcome>success</from-outcome>
    <to-view>/pages/welcome.jsp</to-view>
</navigation-case>
```
- ☐ c)

```
<navigation-rule>
    <from-view>/pages/register.jsp</from-view>
    <from-outcome>success</from-outcome>
    <to-view>/pages/welcome.jsp</to-view>
</navigation-rule>
```
- ☒ d)

```
<navigation-rule>
    <from-view-id>/pages/register.jsp</from-view-id>
    <navigation-case>
        <from-outcome>success</from-outcome>
        <to-view-id>/pages/welcome.jsp</to-view-id>
    </navigation-case>
</navigation-rule>
```

Category – Difficult**1) Select the correct answer with single option:**

Which of the following code snippet shows the correct annotation mapping of multiple URLs to a single Action class in Struts 2 framework?

- ☒ a) `@Actions ({@Action("/action1"), @Action("/action2")})`
- ☐ b) `@Actions {@Action("/action1"), @Action("/action2")}`
- ☐ c) `@Actions ({@Action("/action1")} , {@Action("/action2")})`
- ☐ d) `@Action (@action("/action1"), @action("/action2"))`

2) Select the correct answer with single option:

Arrange the following steps in the correct sequence for creating a Web application using Struts 2 framework.

- A. Create an action class; define the input properties and its getter/setter methods within the action class
- B. Create views which will provide user interface for your applications
- C. Define the execute() method to perform the action implementation
- D. Modify the web.xml file to enable the Web application with Struts 2 filter
- E. Establish relationship between the Views and Controllers using configuration
- F. Build and run the Struts 2 Web application

- ☐ a) A, C, D, E, B, F
- ☒ b) B, A, C, E, D, F
- ☐ c) E, D, A, B, C, F
- ☐ d) C, E, D, B, A, F

3) Select the correct answers with single option:

Which of the following interceptor is used to copy all the objects present in the ValueStack of the currently executing action class to the ValueStack of the next action class to be executed?

- ☐ a) Checkbox Interceptor
- ☐ b) Conversion Error Interceptor

☐ c) Debugging Interceptor☒ d) Chaining Interceptor**4) Select the correct answer with single option:**

Which of the following code snippet shows the correct action in struts.xml file?

☒ a)

```
<action name="StudentApp" class="com.demo.myApp.StudentApp">
    <result name="success">/SuccessView.jsp</result>
    <result name="error">/ErrorView.jsp</result>
</action>
```

☐ b)

```
<action name="StudentApp" class="com.demo.myApp.StudentApp">
    <result name="success">/SuccessView.jsp</result>
    <result>/ErrorView.jsp</result>
</action>
```

☐ c)

```
<action                name="StudentApp"                action
class="com.demo.myApp.StudentApp">

<result>/SuccessView.jsp</result>

<result>/ErrorView.jsp</result>
</action>
```

☐ d)

```
<action name="StudentApp" class="com.demo.myApp.StudentApp">
    <result-stack>
        <result name="success">/SuccessView.jsp</result>
        <result name="error">/ErrorView.jsp</result>
    </result-stack>
</action>
```

5) Select the correct answers with multiple options:

Which of the following Facelet tags are used to perform templating in JSF?

☒ **a)** `<ui:composition>`

☒ **b)** `<ui:decorate>`

☒ **c)** `<ui:define>`

☐ **d)** `<ui:delete>`