

C2040-922^{Q&As}

Developing IBM Lotus Domino 8.5.2 Applications: Advanced XPage Design

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QUESTION 1

Joe wishes to retrieve the HttpServletRequest while his XPage is loading. Which of the following is true regarding this activity?

- A. Joe needs to add the following server side JS code to the afterPageLoad event: `var request = facesContext.getRequest();`
- B. It is not possible to obtain this information as an XPage is loading
- C. Joe needs to add the following server side JS code to the beforePageLoad event: `var externalContext = facesContext.getExternalContext(); var request = externalContext.getRequest();`
- D. Joe needs to add the following client side JS code to the beforePageLoad event: `var clientContext = facesContext.getClientContext(); var request = clientContext.getRequest();`

Correct Answer: C

QUESTION 2

Marion wants to use the Dojo mobile controls in an application she is building for deployment on a Domino 8.5.2 server. Which of the following statements best describes the steps she must take?

- A. Marion just has to use the relevant Dojo modules that are installed by default on the server.
- B. Marion must use modules from at least Dojo 1.5.0.
- C. Marion must use modules from at least Dojo 1.6.0.
- D. Dojo does not have any mobile controls.

Correct Answer: B

QUESTION 3

Wayne needs to debug some client side JavaScript code in an XPage to find why a feature is not working as expected. Which of the following actions would be the best option to determine the problem?

- A. Wayne can activate the Source pane for the XPage in Domino Designer, set breakpoint(s) on the JavaScript code by double-clicking in the side-gutter and then preview the application
- B. Wayne can install FireBug or FireBug lite in the browser, set breakpoints in the JavaScript code and then run and debug the application
- C. Wayne can insert `print()` and `_dump()` statements directly in the JavaScript code and use the information sent to the console window to help debug the problem
- D. Wayne can open the Java perspective in Domino Designer, find the Java code for the XPage in the "local\xsp" source folder, set breakpoint(s) in the code using the standard Java tooling and then preview the application

Correct Answer: B

QUESTION 4

Peter wants to enhance the view controls used in his application so that they can display rich content from the underlying document collection. He wants to do this in an efficient manner as the application has thousands of documents and is accessed by hundreds of concurrent users. Which of the following approaches should John take to add this enhancement to his application most efficiently?

- A. Modify the Domino view to include the rich text field and add a new column to his view controls that automatically binds to this field.
- B. Add a computed column to the view control that opens each document, set the column content type to HTML, and bind the rich text content from each document using JavaScript code.
- C. Add an action to each column that will retrieve the rich text content from the underlying document when clicked, assign it to a computed field with content type set to HTML, and then display that field.
- D. Nothing - XPages view controls cannot display rich content.

Correct Answer: C

QUESTION 5

Dominic wants to implement the open source CSS framework called Blueprint in his XPages application. He does not want to include any other CSS framework resources which may exist on the Domino server. What is the best way to include all of the required CSS files in the XPages in his application?

- A. In each XPage in the application add the required CSS files to the Resources section
- B. Create a new theme which extends webstandard and then add each Blueprint CSS file via a resource definition
- C. Create a new theme which extends oneui and then add each Blueprint CSS file via a resource definition
- D. Create a new theme which does not have an extension property and then add each Blueprint CSS file via a resource definition

Correct Answer: D

QUESTION 6

Jo wants to make a configurable list of countries available to the client side JavaScript of her XPage for use in various different fields on the web page. What would be the most efficient approach?

- A. Add an @DbColumn to a server side script library to look up the country list in each place it is required
- B. Perform an AJAX request to get the country list from another XPage when it is required using dojo.xhrGet
- C. Use the Output Script control to create a global Client Side JavaScript object to reference when the list is required
- D. Add a @Decorum to a client side script library to look up the country list in each place it is required

Correct Answer: C

QUESTION 7

Lydia wants to create a JSON string to represent an array with three objects. Each object has two variables, vA and vB, set to different string values of "one", "two", "three", "four", "five", and "six". What is the proper syntax for the JSON string?

- A. [{ vA: \"one\", vB: \"two\" }, { vA: \"three\", vB: \"four\" }, { vA: \"five\", vB: \"six\" }]
- B. "[{ vA: \"one\", vB: \"two\" }, { vA: \"three\", vB: \"four\" }, { vA: \"five\", vB: \"six\" }]"
- C. "[{ vA: one, vB: two }, { vA: three, vB: four }, { vA: five, vB: six }]"
- D. new Array(new Object({ vA: \"one\", vB: \"two\" }), new Object({ vA: \"one\", vB: \"two\" }), new Object({ vA: \"one\", vB: \"two\" }));

Correct Answer: B

QUESTION 8

John wishes to create a component that is capable of saving its state as the JSF component tree is being saved and restored. In order to do this, John's component must implement which of the following interfaces:

- A. com.ibm.xpages.component.XPStateHolder
- B. javax.faces.component.StateHolder
- C. javax.faces.component.DataHolder
- D. javax.xpages.component.StateHolder

Correct Answer: B

QUESTION 9

Liz must do a code review of a third party XPages application in order to optimize performance wherever possible. She has come up with a shortlist of things to do. Each of the following can be used to improve performance EXCEPT which one?

- A. Using partial refresh wherever possible.
- B. Replacing post-based requests with get-based requests wherever possible
- C. Setting the dataCache property on Domino view data sources to "full" wherever possible
- D. Using viewScope variables to manage application state wherever possible

Correct Answer: C

QUESTION 10

Rachel needs to enable her XPages application for multi-language use. Where should she go to enable localization?

- A. It is not possible to enable localization at application-level in XPages.
- B. In Lotus Notes, open up the Application Properties and on the Advanced tab click '\\Enable localization\\'
- C. In Domino Designer, open up the Application Properties and on the Advanced tab click '\\Enable localization\\'
- D. In Domino Designer, open up the Application Properties and on the XPages tab click '\\Enable localization\\'

Correct Answer: D

QUESTION 11

Tamsin is building an XPages application for use on mobile devices. She finds the font and row height on View Panel controls too small and difficult to navigate on a touch screen. Which View Panel property should she add her CSS class to?

- A. dataTableStyleClass
- B. viewStyleClass
- C. viewPanelStyleClass
- D. captionStyleClass

Correct Answer: A

QUESTION 12

Tim has an XPage containing an Edit Box. He has read that it is possible to use the Dojo Toolkit NumberSpinner control in XPages, and he wishes to modify his XPage so that the Edit Box will appear as a Number Spinner in the browser. What would the steps be to accomplish this?

- A. From the Dojo Toolkit Website, get the URL to the most recent version of the NumberSpinner.js control (where the URL begins with http://). In the XPage, in the Resources tab of the Properties view, add a JavaScript Library using that URL. Configure the Edit Box to set the dojoType to "dijit.form.NumberSpinner".
- B. Import the NumberSpinner.js file from Dojo into the application as a JavaScript Library. In the XPage, in the Resources tab of the Properties view, add a JavaScript Library resource for that NumberSpinner.js file to the XPage. Configure the Edit Box to set the dojoType to "dijit.form.NumberSpinner".
- C. Import the NumberSpinner.js file from Dojo into the application as a Dojo Module. In the XPage, in the Resources tab of the Properties view, add that Dojo Module resource for that NumberSpinner.js file to the XPage. Configure the Edit Box to set the dojoType to "dijit.form.NumberSpinner".
- D. In the XPage, in the Resources tab of the Properties view, add a Dojo Module resource for "dijit.form.NumberSpinner" to the XPage. Configure the Edit Box to set the dojoType to "dijit.form.NumberSpinner".

Correct Answer: D

QUESTION 13

Jeremy wants all of the dijit.Dialog boxes in his application to call a client side JavaScript function called "validateForm" whenever they are hidden. What is the best solution?

- A. Create a custom Dojo control and use that instead of the standard dijit.Dialog in the application using the following code: `/** Custom Dojo Control */dojo.provide('\com.myco.widget.Dialog\');dojo.require('\dijit.Dialog\');(function() {dojo.declare ("com.myco.widget.Dialog", dijit.Dialog, {onHide: validateForm}})});/** Initialization code */var dialog = new dijit.Dialog();`
- B. Whenever he initializes a new dijit.Dialog, add an onHide event like so: `var dialog = new dijit.Dialog({onHide: validateForm});`
- C. In the "Close" or "Cancel" button of each dialog add a call to validateForm in the onClick event.
- D. Create a custom Dojo control and use that instead of the standard dijit.Dialog in the application using the following code: `/** Custom Dojo Control */dojo.provide('\com.myco.widget.Dialog\');dojo.require('\dijit.Dialog\');(function() {dojo.declare ("com.myco.widget.Dialog", dijit.Dialog, {onHide: validateForm}})});/** Initialization code */var dialog = new com.myco.widget.Dialog();`
- E. Create a custom Dojo control and use that instead of the standard dijit.Dialog in the application using the following code: `/** Custom Dojo Control */dojo.provide('\com.myco.widget.Dialog\');dojo.require('\dijit.Dialog\');(function() {dojo.declare ("com.myco.widget.Dialog", dijit.Dialog, {onHide: validateForm}})});/** Initialization code */var dialog = new com.myco.widget.Dialog();`
- F. Create a custom Dojo control and use that instead of the standard dijit.Dialog in the application using the following code: `/** Custom Dojo Control */dojo.provide('\com.myco.widget.Dialog\');dojo.require('\dijit.Dialog\');(function() {dojo.declare ("com.myco.widget.Dialog", dijit.Dialog, {onHide: validateForm}})});/** Initialization code */var dialog = new com.myco.widget.Dialog();`
- G. Create a custom Dojo control and use that instead of the standard dijit.Dialog in the application using the following code: `/** Custom Dojo Control */dojo.provide('\com.myco.widget.Dialog\');dojo.require('\dijit.Dialog\');(function() {dojo.declare ("com.myco.widget.Dialog", dijit.Dialog, {onHide: validateForm}})});/** Initialization code */var dialog = new com.myco.widget.Dialog();`

Correct Answer: DEFG

QUESTION 14

Marco has built an XPage that has increased in complexity over time and now contains several hundred lines of XSP markup, with many postback actions that conditionalize the display of the page. He feels that the page does not perform well and is looking to improve the responsiveness for the end-user. He is considering the following actions to improve performance. All of the following actions may improve performance EXCEPT which one:

- A. Reduce the size of the page by splitting it up into several custom controls wherever possible.
- B. Use Partial Refresh to conditionally redraw only those parts of the page impacted by postback actions.
- C. Conditionally set the "loaded" property to "true" for controls and data sources that are displayed, and "false" when they are hidden.
- D. Use scoped variables to store/retrieve data that will not change between postback requests.

Correct Answer: A

QUESTION 15

Titus has created a JSON string that he will pass to the browser. What method could he use to convert the string to an object?

- A. dijit.fromJson()
- B. dojo.fromJson()
- C. dojo.toJson()
- D. dijit.toJson()

Correct Answer: B

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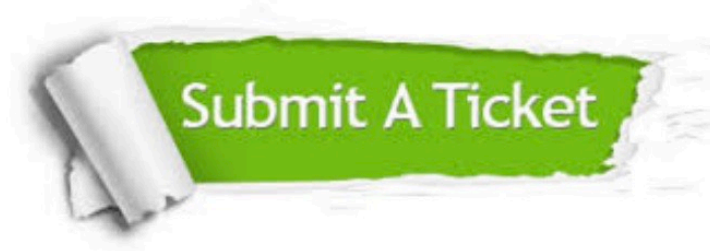
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