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**Vendor:** IBM

**Exam Code:** C2180-186

**Exam Name:** IBM Business Process Manager Express or Standard Edition V7.5.1 BPM Application Development

**Version:** Demo

### **QUESTION NO: 1**

An order management system BPM analyst needs to know the timing interval and average activity duration of all the tasks of the order fulfillment to identify the bottlenecks. How should a BPM application developer quickly provide such visibility to the analyst?

- A.** SLA Overview scoreboard
- B.** Process Performance scoreboard
- C.** My Team Performance scoreboard
- D.** Custom scoreboard using tracking group

**Answer: B**

### **QUESTION NO: 2**

In the playback session, the process stakeholder notices that vital business data in the process is being handled correctly for each task. However, there is a concern that the data is not typically accessed immediately by the process participants. While the custom routing satisfies the requirement to get the task to the right people and an escalation path helps to mitigate meeting critical SLAs, the stakeholder asks if more can be implemented in the model to ensure quick access and completion of tasks. How should the BPM application developer implement the flow data requirement?

- A.** Create a tw.local variable as a pre assignment to notify the participant end user when an activity will be ready to be completed.
- B.** Create a tw.local variable type as a post assignment to notify the participant end user when an activity is active and ready to be completed.
- C.** Add a pre assignment to the activity and choose the custom variable to notify the participant end user when an activity is ready to be completed.
- D.** Add a post assignment to the activity and choose the custom variable to notify the participant end user when an activity is active and ready to be completed.

**Answer: C**

### **QUESTION NO: 3**

Business executives of a shipping and logistic company who are not involved in the process want

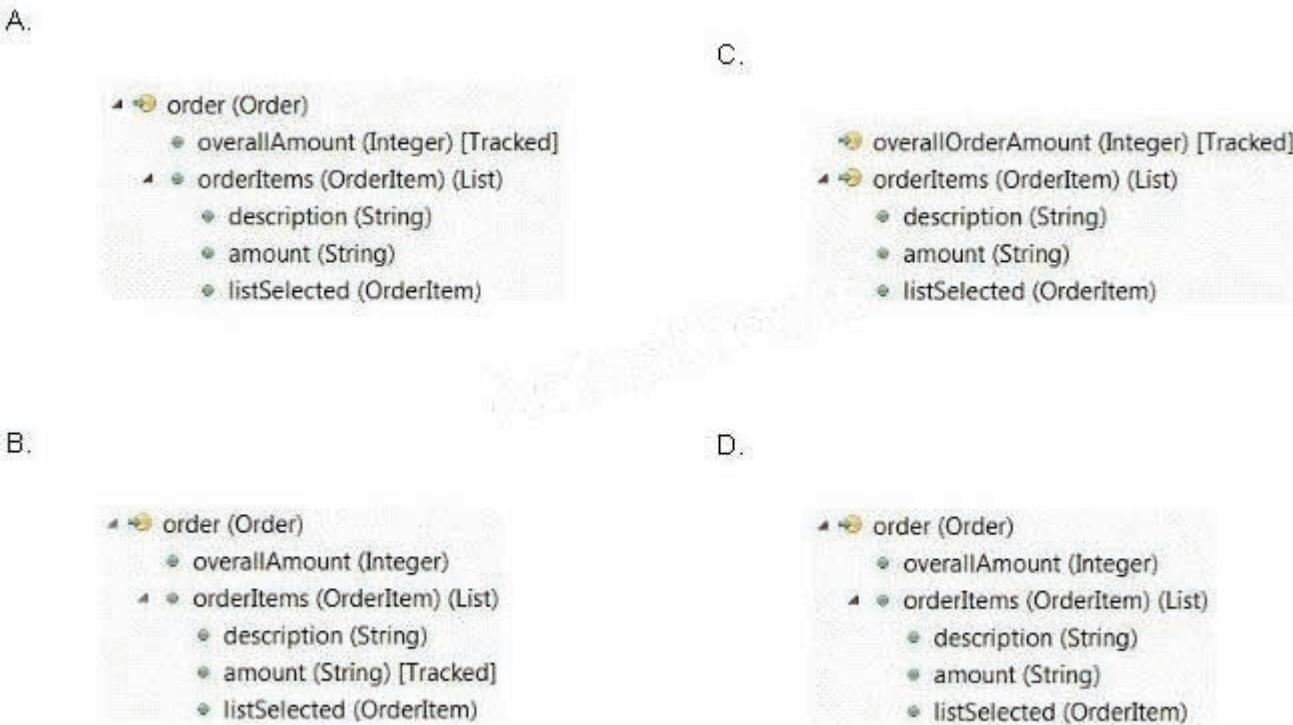
the instant visibility of their business data at task level for high dollar value transactions or high value customer transactions. How should the BPM application developer design the system to provide the business visibility?

- A. Use tracking groups
- B. Use System of Record (SOR)
- C. Enable Auto-Tracking
- D. Track required variables individually

**Answer: B**

#### QUESTION NO: 4

A BPM application developer needs to determine the Business Object Model (BOM) definition from the following user story: The user needs the possibility to enter an order with multiple items. The total order amount should be reachable from the performance database. Which BOM definition should the developer create?



- A. Exhibit A
- B. Exhibit B
- C. Exhibit C
- D. Exhibit D

**Answer: A**

## **QUESTION NO: 5**

The process owner outlines the business data needed for an applicant's "submit permit application" task in the Arena Event Permit process. Much of the data is used in other tasks within the process, so a requirement is to carry the business data from one activity to the next until the process is completed to the permit resolution. How should the BPM application developer implement the process data for this requirement? Create a complex structure type with the following data objects:

- A.** applicant's name, applicant's contact information, and permit number.
- B.** applicant's name, applicant's contact information, and date of the event.
- C.** applicant's name, applicant's contact information, permit number, and date of the event.
- D.** applicant's name, applicant's contact information, approver's signature, approve/disapprove permit, assigned permit number, and date of the event.

**Answer: B**

## **QUESTION NO: 6**

A client is questioning the need for a System Of Record (SOR). What is an indicator that a custom SOR is necessary to implement the process?

- A.** The client has requirements for historical reporting.
- B.** The client has requirements for in flight process instance reporting.
- C.** Multiple process steps manipulate the same data.
- D.** Multiple applications can modify the same information at the same time.

**Answer: D**

## **QUESTION NO: 7**

A BPM application developer needs to create the Business Object Model (BOM) definition to the following user story: The user should be able to input their current address(es) and the address(es) from their current employer. Which BOM definition should the developer create?

A.

- ▲ ↗ employee (Employee)
  - name (String)
  - firstName (String)
  - ▲ ● addresses (Address)
    - street (String)
    - zip (String)
    - city (String)
    - state (String)
- ▲ ↗ employer (Employer)
  - name (String)
  - ▲ ● addresses (Address)
    - street (String)
    - zip (String)
    - city (String)
    - state (String)

B.

- ▲ ↗ employee (Employee)
  - name (String)
  - firstName (String)
  - ▲ ● addresses (Address)
    - street (String)
    - zip (String)
    - city (String)
    - state (String)
- ▲ ● employer (Employer)
  - name (String)
  - ▲ ● addresses (Address)
    - street (String)
    - zip (String)
    - city (String)
    - state (String)

C.

- ▲ ↗ employee (Employee)
  - name (String)
  - firstName (String)
  - addresses (Address) (List)
    - street (String)
    - zip (String)
    - city (String)
    - state (String)
  - listSelected (Address)
- ▲ ↗ employer (Employer)
  - name (String)
  - addresses (Address) (List)
    - street (String)
    - zip (String)
    - city (String)
    - state (String)
  - listSelected (Address)

D.

- ▲ ↗ employee (Employee)
  - name (String)
  - firstName (String)
  - ▲ ● addresses (Address) (List)
    - street (String)
    - zip (String)
    - city (String)
    - state (String)
    - listSelected (Address)
- ▲ ● employer (Employer)
  - name (String)
  - ▲ ● addresses (Address) (List)
    - street (String)
    - zip (String)
    - city (String)
    - state (String)
    - listSelected (Address)

- A. Exhibit A**  
**B. Exhibit B**  
**C. Exhibit C**  
**D. Exhibit D**

**Answer: D**

#### **QUESTION NO: 8**

During requirements gathering for playback 1, the process owner informs the project manager and BPM application developer that it would be good to show the error handling in the model during

playback 1 with business attendees. How should the developer handle the request from the process owner?

- A. Implement error handling and show to business stakeholders.
- B. Backlog the requirement immediately and only implement it if time permits.
- C. Put the requirement on the development list for playback 1 but mark it low priority.
- D. Offer to provide a written explanation to business stakeholders on how error handling works.

**Answer: D**

#### **QUESTION NO: 9**

During the initial project kick-off meeting, the BPM application developer is asked to explain playback to the stakeholders. How should the developer define the focus of each playback?

- A.** - Playback 0: Focus on Blueworks Live
  - Playback 1: Focus on integrations
  - Playback 2: Focus on user interface design and implementation
  - Playback 3: Focus on data modeling
- B.** - Playback 0: Focus on Blueworks Live
  - Playback 1: Focus on high-level business process understanding and building consensus.
  - Playback 2: Focus on data modeling
  - Playback 3: Focus on integrations
- C.** - Playback 0: Focus on data modeling
  - Playback 1: Focus on high level business process understand and building consensus
  - Playback 2: Focus on integrations
  - Playback 3: Focus on consolidation of the previous themes and producing an end-to-end solution.
- D.** - Playback 0: Focus on high-level business process understanding and building consensus.
  - Playback 1: Focus on user interface design and implementation.
  - Playback 2: Focus on integrations.
  - Playback 3: Focus on consolidation of the previous themes and producing an end-to-end solution.

**Answer: D**

#### **QUESTION NO: 10**

The process owner asks the BPM application developer to summarize the points every playback

must have. What should the developer provide?

- A.** - Setting of expectations about what will be presented and where the focus lies
  - Presentation of the implementation progress
  - Presentation of outstanding defects
  - Signing off milestones
- B.** - Setting of expectations about what will be presented and where the focus lies
  - Presentation of a comprehensive plan that covers all required high level elements of the solution
  - Presentation of the implementation progress and ask for stakeholder feedback
  - Signing off milestones.
- C.** - Presentation of the development progress
  - Presentation of a comprehensive plan that covers all required high level elements of the solution
  - Feedback about the presented by stakeholders
  - Strategic alignment of the process application to the business unit targets.
- D.** - Presentation of the business process in the Process Designer
  - Walk through of the user interfaces
  - Presentation of the integration services
  - Showing the developed organization model

**Answer: B**

## **QUESTION NO: 11**

What is the role of a Process Owner?

- A.** The person or role which participates the most in the process.
- B.** A manager of a client who is responsible for the development of a business process.
- C.** Every process participants owns their part of the process. All participants together are the process owner.
- D.** A business unit representative who is responsible for the activities of his business unit to achieve a certain goal.

**Answer: D**

## **QUESTION NO: 12**

At the completion of analytical modeling, the BPM application developer is asked to evaluate the user stories for executable modeling needs. What criteria should the developer use to verify the user stories as viable for executable modeling? The user story is a description that provides the

following details of a process.

- A. "who", "what", and "why"**
- B. "who", "when", and "why"**
- C. "who", "what", and "when"**
- D. "when", "what", and "why"**

**Answer: A**

### **QUESTION NO: 13**

What are the responsibilities of a BPM application developer in a Business Process Management development project?

- A. - Create Systems Architecture**
  - Design and Implement Integrations
  - Infrastructure Design and Deployment
- B. - Install the Process Center and Process Server**
  - Configure the development environment with user directories
  - Define the security infrastructure
- C. - Estimate User Stories**
  - Implement Process Flows
  - Build Key Performance Indicators (KPI), Service Level Agreements (SLA) and Scoreboards
- D. - Lead the Process Analyst and Subject Matter Experts in designing the process application**
  - Interpret outputs of Process Discovery and conceive an "executable" process model
  - Gain consensus among process participants in vision for the process solution and how best to take advantage of the features of the business process

**Answer: C**

### **QUESTION NO: 14**

In a supplier management process, data and design of coaches are similar across multiple tasks and based on the following requirements.

Role	Supplier Contact Info	Supplier Shipment Info	Rebates	Discounts
Supplier Relationship Manager	read / write	read / write	read	read
Legal Department	read	read	read	read
Sales Manager	read	read	read write	read write
Service Center	read	read	hidden	hidden

How should a BPM application developer implement these role dependent requirements?

- A.** Create a coach once with all the information needed and copy-paste (duplicate) the human service as much as necessary. Rename it and delete the fields for the cases where they must not show up.
- B.** Create one reusable human service with as many coaches as different process steps. At the beginning of the service, look up the supplier information. After that, create a decision gateway to decide based on a status which coach to navigate to.
- C.** Create one human service that has all possible fields. After that, create one wrapper services for each process step and pass a status into the human service. Based on the status, the human service has custom visibility controls to show or hide the confidential information.
- D.** Develop a service that creates the HTML for the top section on the coach based on a "supplierInformation" object. Use a custom HTML section for the top of the coach for displaying. In the bottom section, display all possibly necessary fields. Copy-Paste that service as much as needed and create visibility controls to hide fields that must not show up.

**Answer: C**

### QUESTION NO: 15

A BPM application developer creates a service that connects to a web service. The end point URL for the web service will be different for the development, test, staging and production servers. Which variable type allows the developer to automatically switch the value for the URL, depending on the server being used?

- A.** JavaScript Variable
- B.** Environment Variable
- C.** Exposed Process Variable
- D.** Deployment Service Variable

**Answer: B**

## QUESTION NO: 16

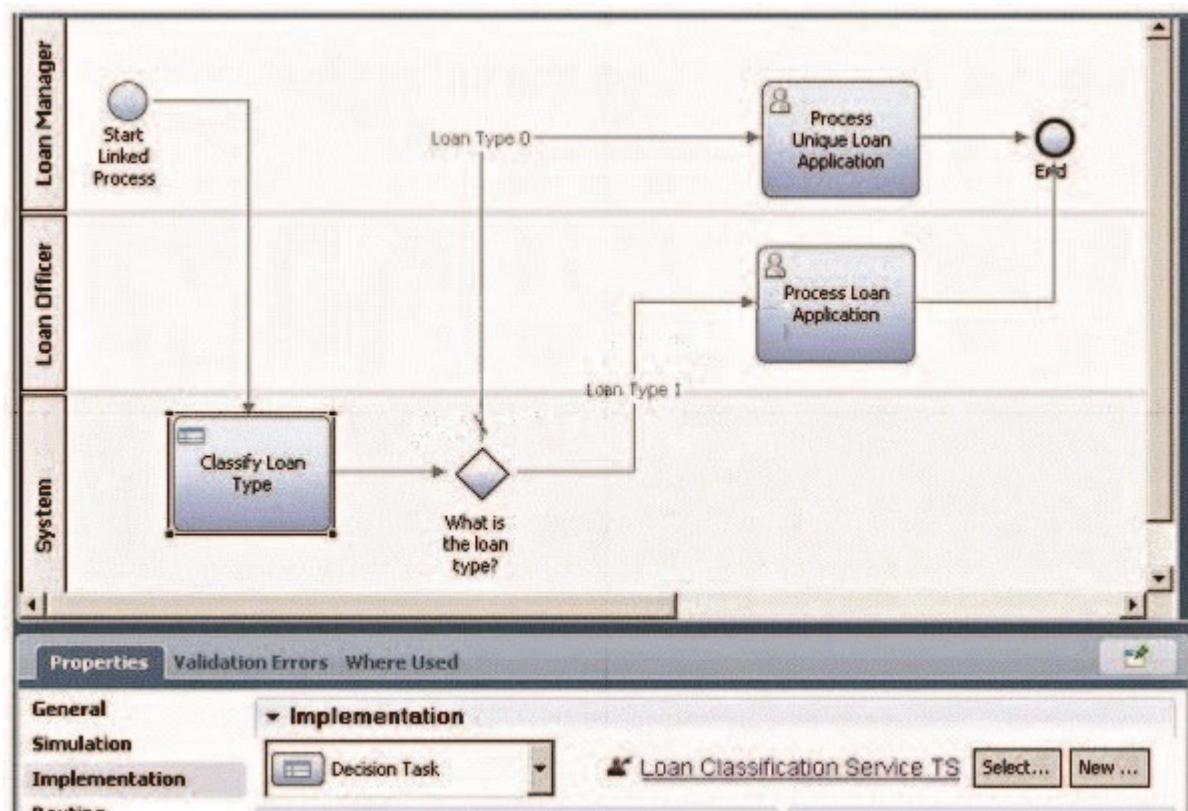
The requirement for an input control is: Before the user is leaving the user interface the input control for the first name has to be validated. The BPM application developer needs to handle this via the validation script. Which script should the developer use?

- A. document.getElementById('Control ID').value
- B. document.getElementById('tw.local.firstName').value
- C. document.getElementsByName('Control Label').value
- D. document.getElementsByName('tw.local.firstName').value

**Answer: A**

## QUESTION NO: 17

There is a requirement in the bank loan process to have loan managers review home improvement loans over \$50,000. Home improvement bank loans that are below \$50,000 or loans that are not home improvement of any amount can be handled by loan officers and do not need a loan manager review.



What Business Action Language (BAL) rule should the BPM application developer add to the Loan Classification Service TS decision service?

**A. if**

the loan amount of loanDetails is more than 50000

then

set loanType to 1;

**B. ifB.if**

the loan amount of loanDetails is more than 50000

and

the loan category of loanDetails is "home improvement"

then

set loanType to 0;

else

set loanType to 1;

**C. ifC.if**

the loan amount of loanDetails is more than 50000

and

the loan category of loanDetails is "home improvement"

then

set loanType to 1;

**D. ifD.if**

the loan amount of loanDetails is more than 50000

and

the loan category of loanDetails is not "home improvement"

set loanType to 0;

else

set loanType to 1;

**Answer: B**

## QUESTION NO: 18

A BPM application developer has to handle an exception that occurs in an integration service and throw exceptions back to the external application. Which Process Designer controls does the BPM application developer use?

**A. Throw Exception**

**B. Catch Exception**

**C. Error End Event**

**D. Error Intermediate Event**

**E. Intermediate Exception Event**

**Answer: C,D**

### **QUESTION NO: 19**

A BPM application developer needs to design and develop a component that integrates with the external application. The external application exposes the Web Service Interfaces but it is not WS-I compatible. Which built in integration service does the BPM application developer need to choose to accomplish this?

- A.** Java Integration
- B.** Undercover Agent (UCA)
- C.** Web Service Integration
- D.** External Implementation

**Answer: A**

### **QUESTION NO: 20**

During the creation of a Business Process Definition(BPD), a BPM application developer determined there is a requirement to build an inbound Web Service integration for this particular BPD. How should the developer build the inbound integration?

- A.** Create an inbound Web Service  
Attach to the BPD
- B.** Create an UCA  
Attach UCA to message event  
Create an inbound Web Service
- C.** Add a message event to a BPD  
Create an handler service  
Create an UCA  
Attach UCA to a message event  
Create Service to call the UCA
- D.** Add a message event to a BPD  
Create a handler service  
Create an UCA  
Attach UCA to message event  
Create a caller service  
Create an inbound Web Service

**Answer: D**

**QUESTION NO: 21**

A BPM application developer is integrating with the external application. The external application has exposed operations via Web Service. The external application has defined the complex types as input parameters to Web Services. How should the BPM application developer write the code to add metadata to IBM BPM objects to control how those objects are serialized into XML Elements in a SOAP request for Web Services?

- A.** <# out = new tw.system.serializer();  
out.setSOAPElementNS("http://www.ibmsoftware.com/schemas/ NameUpdateRequest");  
out.setSOAPElementName("NameUpdateRequest");  
out.defineSOAPProperty("First", "http://www.w3.org/2001/ XMLSchema", "string", false, "");  
out.defineSOAPProperty("Last", "http://www.w3.org/2001/ XMLSchema", "string", false, "");  
out.First = "John";  
out.Last = "Smith"; #>
- B.** <# out = new tw.object.Record();  
out.setSOAPElementNS("http://www.ibmsoftware.com/schemas/ NameUpdateRequest");  
out.setSOAPElementName("NameUpdateRequest");  
out.defineSOAPProperty("First", "http://www.w3.org/2001/ XMLSchema", "string", false, "");  
out.defineSOAPProperty("Last", "http://www.w3.org/2001/ XMLSchema", "string", false, "");  
out.First = "John";  
out.Last = "Smith"; #>
- C.** <# out = new tw.object.XMLDocument();  
out.setXMLElementNS("http://www.lombardisoftware.com/schemas/ NameUpdateRequest");  
out.setXMLElementName("NameUpdateRequest");  
out.defineSOAPProperty("First", "http://www.w3.org/2001/ XMLSchema", "string", false, "");  
out.defineSOAPProperty("Last", "http://www.w3.org/2001/ XMLSchema", "string", false, "");  
out.First = "John";  
out.Last = "Smith"; #>
- D.** <# out = new tw.object.XMLElement();  
out.setXMLElementNameSpace("http://www.lombardisoftware.com/schemas/  
NameUpdateRequest");  
out.setXMLElement("NameUpdateRequest");  
out.defineSOAPProperty("First", "http://www.w3.org/2001/ XMLSchema", "string", false, "");  
out.defineSOAPProperty("Last", "http://www.w3.org/2001/ XMLSchema", "string", false, "");  
out.First = "John";  
out.Last = "Smith"; #>

**Answer: B**

## **QUESTION NO: 22**

A company needs the restocking process to be started at the end of each day. How should the BPM application developer design and develop the Business Process Definition (BPD) Trigger on Scheduled Interval?

- A.** Add Start Message Event to the BPD
- B.** Add BPD to WebSphere Scheduler Service
- C.** Add Start Ad Hoc Event component to the BPD
- D.** Populate the TWTimeSchedule object in JavaScript

**Answer: A**

## **QUESTION NO: 23**

In the user stories for a user interface (UI), one input control is depending on values of two variables which are the output of a system service executed before the user interface is showed. How should the BPM application developer implement this?

- A.** Add a custom HTML control and use something like the following definition:

```
var customVisibility  
if (tw.local.variableA == "a" && tw.local.variableB == "b")  
{  
    customVisibility = "Read";  
}  
else{  
    customVisibility = "None";  
}  
return customVisibility
```

- B.** Add a custom HTML control and use something like the following definition:

```
var customVisibility  
if (tw.local.variableA == "a" && tw.local.variableB == "b")  
{  
    customVisibility = "READ";  
}  
else{  
    customVisibility = "NONE";  
}  
return customVisibility
```

- C.** Add a custom visibility definition to the control and use something like the following definition:

```
var customVisibility
```

```
if (tw.local.variableA == "a" && tw.local.variableB == "b")
{
    customVisibility = "READ";
}
else{
    customVisibility = "NONE";
}
return customVisibility
```

**D.** Add a custom visibility definition to the control and use something like the following definition:

```
var customVisibility
if (tw.local.variableA == "a" && tw.local.variableB == "b")
{
    customVisibility = "Read";
}
else{
    customVisibility = "None";
}
return customVisibility
```

**Answer: C**

#### **QUESTION NO: 24**

A company needs to develop a Service which generates HTML for a coach, implements the data transformations and manipulates variable data. Which Service type should be used by the BPM application developer to meet this requirement?

- A.** Ajax Service
- B.** Human Service
- C.** Integration Service
- D.** General System Service

**Answer: D**

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