

**C9550-412.exam**

Number: C9550-412  
Passing Score: 800  
Time Limit: 120 min



**C9550-412**

**IBM Business Process Management Express or Standard Edition, V 8.5.5, BPM Application Development**



## Exam A

### QUESTION 1

A company has a healthcare enrollments business process that is to be implemented worldwide for all of its employees. Part of the employment process are a set of steps that the company uses in several other business processes. These steps may need to vary depending on the laws of different countries and the plans that are offered in each country. The company wants to have a single process that is followed in every country but needs to be sure that the portion of the process that is subject to local laws will comply with the laws of each country.

Which BPM component should the BPM application developer use to meet these requirements?

- A. Subprocess
- B. Linked Process
- C. Dynamic Process
- D. Event Subprocess

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



### QUESTION 2

How are the 3 editions, Express, Standard and Advanced, of IBM Business Process Manager V8.5.5 differentiated? (choose 2)

- A. Advanced Edition has built in ESB and SOA capabilities.
- B. Standard Edition and Advanced Edition support BPEL and BPMN.
- C. Express Edition and Standard Edition support load balancing.
- D. Express Edition is limited in number of cores and number of users.
- E. Express Edition and Standard Edition support Intel and Power Platforms.

**Correct Answer:** DC

**Section:** (none)

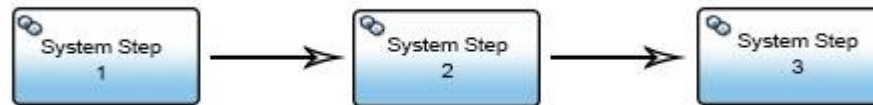
**Explanation**

**Explanation/Reference:**

Reference: [http://www-01.ibm.com/support/knowledgecenter/SSFPJS\\_8.5.5/com.ibm.wbpm.main.doc/topics/ibmbmp\\_overview.html](http://www-01.ibm.com/support/knowledgecenter/SSFPJS_8.5.5/com.ibm.wbpm.main.doc/topics/ibmbmp_overview.html)

### QUESTION 3

A BPM Application developer is reviewing a Business Process Diagram (BPD) for a colleague. The following section of activities is present in the System Lane:



The reviewer is aware that this pattern can cause performance issues but has other reasons for not wanting to merge the separate service implementations.

What can the BPM application developer do to improve the performance of this section without having to manually refactor the sequence?

- A. Use the optimize Execution of Latency property on BPD.
- B. Use the BPM Optimizer to merge the sequence into a single Activity.
- C. Use the Optimize Service for Latency property in the first two services.
- D. Use the Optimize Connection for Latency property of the flow line between each Activity in the sequence.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 4

Which component stores process performance data?

- A. Process Center
- B. Process Server Database
- C. Performance Database
- D. Performance Data Warehouse

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [http://www-01.ibm.com/support/knowledgecenter/SSFPJS\\_8.5.6/com.ibm.wbpm.admin.doc/topics/managing\\_performance\\_servers.html](http://www-01.ibm.com/support/knowledgecenter/SSFPJS_8.5.6/com.ibm.wbpm.admin.doc/topics/managing_performance_servers.html)

#### QUESTION 5

A company that operates in multiple countries plans to build a human resources process that needs to support multiple languages. The BPM Application developer assigned to the project knows that it will be necessary to create a localization resource in the process application that will contain a set of localization keys, the list of languages to support and translations in each language for each key.

In addition to the coach view label, which of the following components of the process application can the BPM application developer configure to support multiple languages?

- A. Team name, process instance name, and coach view hover help.
- B. Team name, task subject, and coach view configuration option label.
- C. Process instance name, task subject, and coach view configuration option label.
- D. Coach view hover help, coach view configuration option group field, and coach view configuration option label.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 6

A BPM application developer is reviewing a business process built by a colleague. The process is an application that uses business objects based on an industry standard data model and uses several integrations to back end systems that also use that data model.

The process has been through a pre-production test cycle and is not performing well. The main area of concern is with the BPM client side Human Service where the coaches take too long to appear in the browser when the task is claimed.

Which of the following BPM factors should the BPM application developer include in their review of the badly performing Client Side Human Services? (choose 2)

- A. Execution of complex validation services
- B. Boundary events associated with services
- C. Size of business objects bound to Coach Views
- D. Size and number of complex variables passed to each client side human service
- E. The number of intermediate events associated with each client side human service

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 7**

A financial services company has an account opening process that can last for several days or weeks as it waits for customers to supply additional information by mail. During that time the customer may call the company to inquire the status of the process, so the customer service representatives use the Processes tab in Process Portal to view the details of the process.

The company has determined the default instance details view doesn't contain all of the information needed. The BPM application developer has been tasked with providing a modified instance details view for this process that contains all of the necessary information.

What actions can the BPM application developer take to modify the instance details view to meet the needs of the business? (Choose 2)

- A. Create a new heritage human service, modify it to meet the requirements and expose it as a dashboard in the Process Portal.
- B. Create a new client side human service, modify it to meet the requirements and expose it as a dashboard in the Process Portal.
- C. Create a new client side human service by clicking on the new button of the details UI on the Views tab of the business process diagram and modify it to meet the requirements.
- D. Create a new heritage human service in the process application, select it for the details UI on the Views tab of the business process diagram and modify it to meet the requirements.
- E. Copy the instance details UI Service Template from the dashboards toolkit in the process application, modify it to meet the requirements and select it for the details UI on the views tab of the business process diagram.

**Correct Answer:** AB

**Section:** (none)

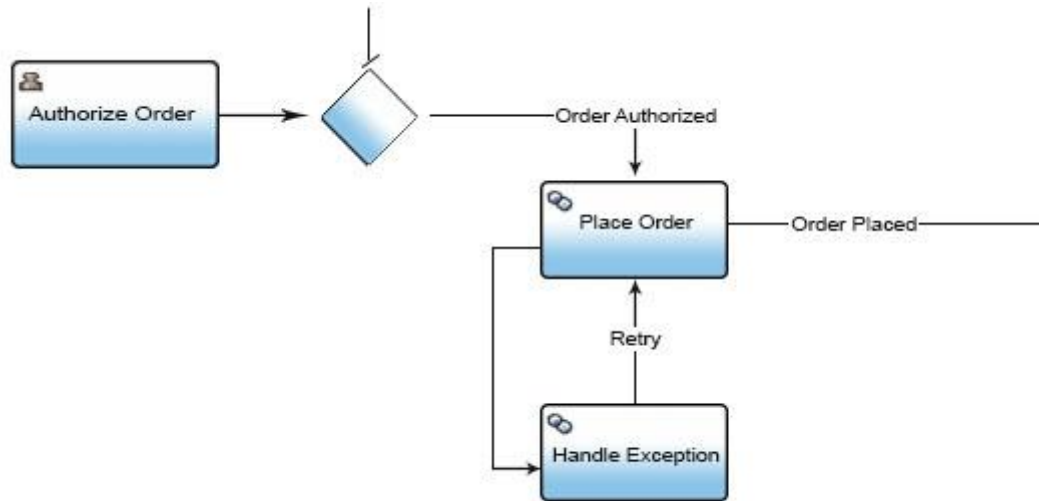
**Explanation**



**Explanation/Reference:**

**QUESTION 8**

A BPM application developer is working on the following Business Process Definition (BPD):



Both the BPM administrator and the database administrator have identified performance problems with the current process and they suspect that this is due to the collection of the performance data. Consequently, the process owner has decided to minimize the amount of performance data to be collected for this BPD.

The BPM application developer must track only the following process data:

Order ID and Authorizer ID variables when an order is authorized  
Order ID and Order Amount variables when an order is placed

Given this situation, what must the BPM application developer do to track only the business data required?

- A. Enable auto-tracking and mark each individual variable as tracked.
- B. Enable auto-tracking and use two intermediate tracking points to specify where the data should be automatically tracked in the BPD.
- C. Create a tracking group for Order ID, Order Amount and Authorizer ID. Use two intermediate tracking points to mark exactly where the data should be tracked during execution. Only the necessary fields should be selected on each tracking point.
- D. Create a tracking group for Order ID, Order Amount and Authorizer ID. Use two intermediate tracking points to mark exactly where the data should be tracked during execution. Only the necessary fields should be selected on each tracking group.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 9

A BPM application developer needs to create a custom dashboard to show the maximum, minimum and average sales in the last 12 months. Only the sales managers can view the data in the dashboard in the process portal.

In the exposing section of the custom dashboard, which setting must the application developer set for the sales manager to view the data?

- A. Set the "Expose to" field to Sales Managers.
- B. Set the "Expose to start" field to Sales Managers.
- C. Set the "Expose Business Data" field to Sales Managers.
- D. Set the "Expose Performance Metrics" field to Sales Managers.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 10

A BPM application developer needs to create a custom report for a set of job applications to support the hiring request process. The process owner is the hiring manager. The custom report must show up as a tab at the top of the process portal, and it can only be accessed by the human resources managers team.



How must the BPM application developer configure the coach to satisfy this requirement?

- A. Set the "Expose As" field to URL.
- B. Set the "Expose As" field to Dashboard.
- C. Set the "Expose As" field to Startable Service
- D. Set the "Expose As" field as Custom Report.

**Correct Answer: C**

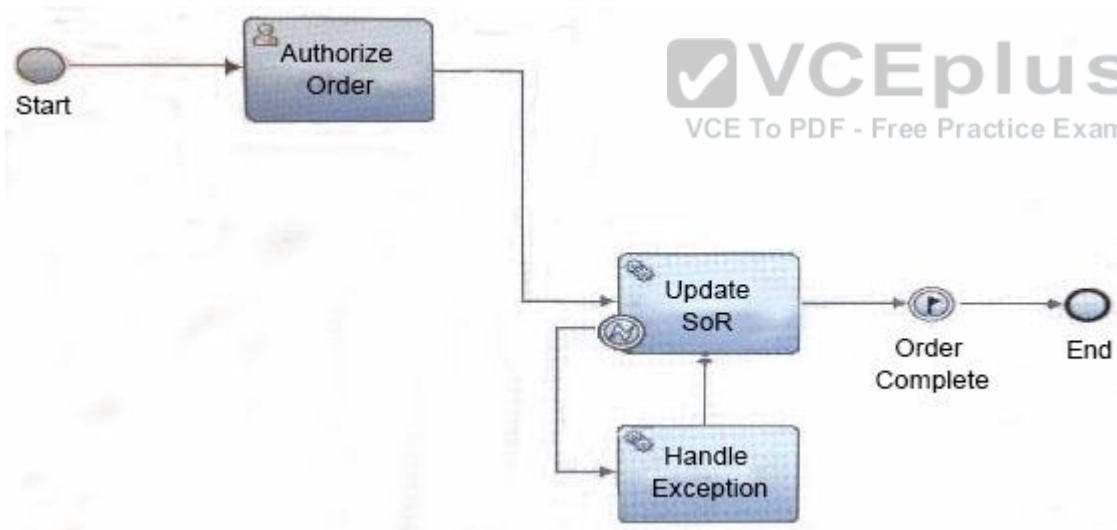
**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 11**

A BPM application developer needs to collect some business information and create a tracking group for the following business process definition (BPD).



The BPM application developer adds a tracking point to the BPD and associates some process variables to this group:





After running some tests, the BPM application developer notices that information defined in the tracking properties is not collected in the performance data warehouse after the instance is completed.

What should the BPM application developer do to fix the problem?

- A. Set “Enable Tracking” and “Enable Auto-tracking” in the BPD.
- B. Set “Enable Tracking” in the BPD and then update tracking definitions.
- C. Set “Enable Tracking” and “Enable Auto-tracking” in the BPD and then update tracking definitions.
- D. Associate a process variable to the amount field in “Tracking Properties” and update tracking definitions.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 12

A tire production company requests to be informed via email if a new custom-tier request approvals take too long. If 20 approval steps take longer than 2 hours, management must be informed.

How does a BPM application developer solve this request?

The BPM application developer creates:

- A. A scheduler which queries the database and sends mail if the condition is met.
- B. A SLA with a “Violated N times over period” trigger and “send mail to” as the consequence.
- C. A SLA with a “Violated N times over period” trigger and “starts a service” as the consequence.

D. Tracking points or activates auto tracking and creates a report which shows the required approval-period. The customer can supervise the SLA themselves.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 13

A BPM application developer has enabled auto-tracking for a car tire production and run the update tracking definitions command in process designer. During a playback, the BPM application developer is asked to rename the auto-tracking group from "at1392376481525" to "tireProduction" and run update tracking definitions again.

When building a custom dashboard, what resource should the BPM application developer use to retrieve the data?

- A. The "tireProduction" view for the "tireProduction" table.
- B. The "tireProduction" view for the "at1392376481525" table.
- C. The "at1392376481525" view for the "tireProduction" table.
- D. The "at1392376481525" view for the "at1392376481525" table.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 14

A BPM application developer is creating a Business Process Definition (BPD) that contains message intermediate events attached to multiple activities. Each of the message intermediate events reference the same undercover agent (UCA). The message must be delivered to the correct process instance and to the correct activity based on business data.

How can the BPM application developer configure the correlation to ensure the message is sent to the correct activity?

The BPM application developer must configure the message intermediate event to correlate on the process instance ID and:

- A. filter on the business data using the activity's condition tab.
- B. add a script to the BPD that invokes the correct activity based on the business data.
- C. the business data concatenated into a single variable making it unique for each activity.

D. the business data by adding a second correlation variable to the UCA and message intermediate event.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [http://www.ibm.com/developerworks/websphere/library/techarticles/1208\\_chandramohan/1208\\_chandramohan.html](http://www.ibm.com/developerworks/websphere/library/techarticles/1208_chandramohan/1208_chandramohan.html)

### QUESTION 15

A mortgage company designates loan applicants with credit score above 650 as low risk applicants. The company offers any low risk applicants a loan rate of 4.0. Furthermore, if their loan amount is less than \$200,000, they get a lower rate of 3.0.

How should the BPM application developer implement the business rule using the business action language (BAL)?

- A. **if all of the following conditions are true:**  
    the credit score of **applicant** is more than 650  
    the loan of **applicant** is less than 200000,  
    **then set loanRate to 3.0;**  
    **else set loanRate to 4.0;**
- B. **if** the credit score of **applicant** is more than 650 and the loan of **applicant** is less than 200000,  
    **then set loanRate to 3.0;**  
    **else set loanRate to 4.0;**
- C. **set 'low risk applicant' to an applicant**  
    **where** the credit score of **this applicant** is more than 650  
    **if** the loan amount of **'low risk applicant'** is less than 200000  
    **then set loanRate to 3.0;**  
    **else set loanRate to 4.0;**
- D. **definitions**  
    **set 'low risk applicant' to an applicant**  
    **where** the credit score of **this applicant** is more than 650  
    **if** the loan amount of **'low risk applicant'** is less than 200000  
    **then set loanRate to 3.0;**  
    **else set loanRate to 4.0;**

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 16**

A BPM application developer needs to create a coach view in a client-side human service where a user can look up a city without entering the entire city name. This coach view will use a stock control where a user enters a partial spelling of a city, and the control will automatically populate a drop-down list with the list of the matching cities. The data will be pulled dynamically from a database.

What type of service must the BPM application developer choose as the selection service configuration option for the select coach view?

- A. Ajax Service
- B. Web Service
- C. General System Service
- D. External Implementation Service

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 17**

A BPM Application developer is tasked with exposing a service contained in a BPM Process Application as a web service that may be called by external systems. In the Process Designer, the BPM Application developer has created a new web service, specified the designated service as an operation and has changed the operation name from “untitled” to something meaningful. The web service requires no special namespace or security settings and it is to target the default snapshot.

What is the next action that the BPM application developer must take?

- A. Publish the web service to the application server.
- B. Take a snapshot and deploy it to the process server.
- C. Edit the WSDL URI to indicate that the default snapshot is the target.
- D. Generate the data schemas (XSDs) for the inputs and outputs of the service.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 18**

A BPM Application developer must store documents in a content management system as a part of a process's activity. It is a requirement that the content management system is the IBM business process manager document store, which is implemented using a non-IBM database.

During a playback session, the BPM application developer notices that a 2 GB video file document fails to be stored.

What is the reason for the failure?

- A. The built-in document store cannot save video files.
- B. The size of the document is larger than the maximum allowed.
- C. The embedded document store cannot save binary files when using a non-IBM database.
- D. Binary files cannot be stored when the embedded document store uses a database.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### QUESTION 19

A corporation has an existing user portal and would like to keep the same look and feel when using IBM business process manager. The corporation wants to access their own portal to initiate tasks and work on them instead of the BPM process portal. The corporation has decided to address this requirement by using BPM REST APIs to access BPM resources.

When the BPM application developer is testing an API call similar to the one below, it sometimes fails, because the URI is too long.

```
PUT http://host1.company.com:9080/rest/bpm/wle/v1/task/3?
action=finish&params={"empid":"5", "empname":
{"firstName":"John", "lastName":"Kramer"}}
Headers:
    Accept application/json
```

- A. POST http://host1.company.com:9080/rest/bpm/wle/v1/task/3  
Headers:  
Accept application/json  
Content-Type: application/x-www-form-urlencoded  
X-Method-Override: PUT  
Request Body:  
action=finish&params={"empid":5, "empname":  
{"firstName":John,"lastName":Kramer}}
- B. POST http://host1.company.com:9080/rest/bpm/wle/v1/task/3?  
action=finish&params={"empid":5, "empname":  
{"firstName":John,"lastName":Kramer}}  
Headers:

Accept application/json  
Content-Type: application/x-www-form-urlencoded  
X-Method-Override: PUT

- C. PUT <http://host1.company.com:9080/rest/bpm/wle/v1/task/3>  
Headers:  
Accept application/json  
Content-Type: application/x-www-form-urlencoded  
Request Body:  
action=finish&params={"empid": "5", "empname":  
{"firstName": "John", "lastName": "Kramer"}}
- D. PUT <http://host1.company.com:9080/rest/bpm/wle/v1/task/3>  
Headers:  
Accept application/json  
Content-Type: application/x-www-form-urlencoded  
X-Method-Override: PUT  
Request Body:  
action=finish&params={"empid": "5", "empname":  
{"firstName": "John", "lastName": "Kramer"}}

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 20

After deploying a new snapshot and migrating in-flight instances to the new snapshot, a BPM application developer has found some instances with orphaned tokens.

Which API must the BPM application developer use to manage the orphaned tokens?

- A. Java
- B. REST
- C. JavaScript
- D. Web Services

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [http://www.ibm.com/developerworks/bpm/bpmjournal/1305\\_norelus/1305\\_norelus.html](http://www.ibm.com/developerworks/bpm/bpmjournal/1305_norelus/1305_norelus.html) (managing orphaned tokens)

#### QUESTION 21

A company requires an automated process to send email reminders to its employees on the first day of each month.

How should the BPM application developer implement this?

- A. Use the BPM scheduler service which will use the IBM BPM REST API to start the process.
- B. Configure a start message event in the business process diagram (BPD) and attach it to a time elapsed undercover agent.
- C. Add an intermediate timer event which fires on the first of each month followed by a loop back to the beginning of the process.
- D. Create a separate business process diagram (BPD) that polls the current date and starts the other process if it is the first of the month.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [http://www-01.ibm.com/support/knowledgecenter/SS964W/com.ibm.wbpm.wle.editor.doc/topics/modeling\\_message\\_events\\_A.html](http://www-01.ibm.com/support/knowledgecenter/SS964W/com.ibm.wbpm.wle.editor.doc/topics/modeling_message_events_A.html)

#### QUESTION 22

A BPM Application developer needs to construct an integration service that will access an external web service.

The web service has been predefined in the process application settings. The BPM application developer creates a new integration service and adds a web service integration to the canvas. Since this is a predefined web service, on the implementation tab, the BPM application developer selects "From process application settings" for the discovery scheme.

What should be the next step in configuring the web service connector using the predefined server for the BPM application developer?

- A. Insert the url and use the "Discover" button.
- B. Fill in the data mapping tab in the web service properties.
- C. Select the defined web service and select which operation to use.
- D. Generate the data types that will be inputs and outputs for the web service.

**Correct Answer:** C

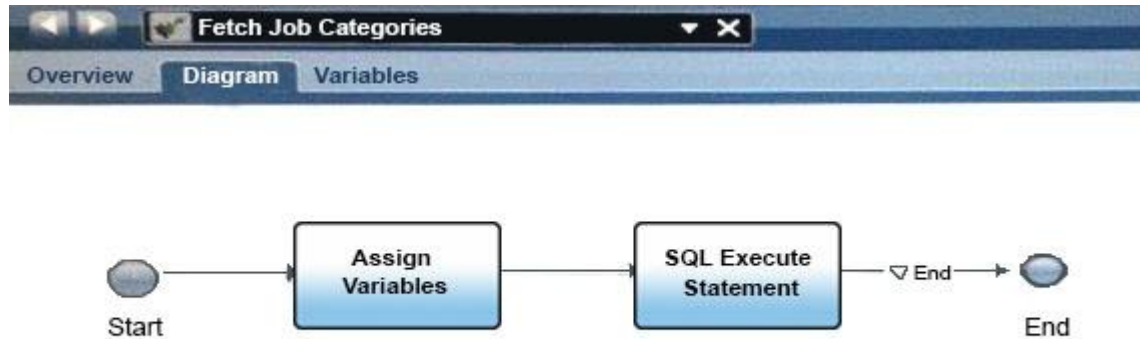
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 23

A BPM application developer would like to retrieve the Job Categories for a job position from the database. The BPM application developer has created the following integration service "Fetch Job Categories" to connect with the database and to retrieve the job categories.



What does the BPM application developer need to do to implement this service successfully? (choose 2)

- A. Specify the data mapping fields for the SQL Execute Statement.
- B. Provide the Java implementation for the SQL Execute Statement.
- C. Create a data source in the process admin console for this application database.
- D. Select Local in the Local/Global transaction field in the SQL Execute Statement Configuration.
- E. Use a data source defined in the WebSphere Application Server for this application database.

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 24

During the current playback phase, the BPM application developer is creating the to-be business process definition for a process application.

Which playback phase is the BPM application developer is currently in?

- A. Playback 0.
- B. Playback 1.



- C. Playback 2.
- D. Playback 3.

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Reference: [http://www.ibm.com/developerworks/bpm/bpmjournal/1302\\_col\\_simmons/1302\\_col\\_simmons.html](http://www.ibm.com/developerworks/bpm/bpmjournal/1302_col_simmons/1302_col_simmons.html) (figure 2)

**QUESTION 25**

A business process application project is starting the service integration playback phase.

Which actions should the BPM application developer include in this phase? (choose 2)

- A. Define the business actions that need to be enabled in each interface.
- B. Evaluate which pre-built integration services in IBM Business Process Manager can be used.
- C. Identify all the integration points at the business process definition (BPD) level.
- D. Identify what complex patterns, such as cancellation or pipeline, should be used and implemented.
- E. Identify all the data transformations required to send and receive information from the external systems.

**Correct Answer:** BC  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 26**

The business process management development team is creating a query to an enterprise database system of record during the current playback phase.

What other activity would the BPM application developer perform during this phase?

- A. Conduct process discovery
- B. Develop a client-side human service
- C. Create a business process definition
- D. Implement an inbound integration service

**Correct Answer:** C

**Section: (none)**  
**Explanation**

**Explanation/Reference:**

**QUESTION 27**

Which role can the BPM application developer expect to know the process from end to end at a high level can identify the subject matter experts?

- A. BPM developer
- B. BPM process owner
- C. BPM process sponsor
- D. BPM program manager

**Correct Answer: B**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**

**QUESTION 28**

Within a tire-production process a legacy system must be integrated, which provides the rim sizes for each available tire. All exceptions are handled in similar manner "except for the tire" not found exception with the error code "TR001".

How does a BPM application developer implement the exception handling?

The BPM application developer must:

- A. Log the input and output values within the pre and post statements of the integration service.
- B. Add a catch event to the integration service.
- C. Add a specific catch for "TR001" to the artifact within the integration service.
- D. Add a specific catch for "TR001" and an unspecific catch for other exceptions to the artifact within the integration service.

**Correct Answer: C**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**

**QUESTION 29**

A BPM Application developer is testing and debugging a recently developed heritage human service:



A service debugger is being used and a JavaScript logic error is detected on completion of the Preprocessing script – certain variable values are incorrect. The BPM application developer wishes to correct the relevant variable values and then proceed with testing/debugging the rest of the service.

How can the BPM application developer set the variables to their correct values?

- A. Edit variables in the service debugger browser window
- B. Edit the pre-processing script to correct the logic and re-run the pre-processing script
- C. In the inspector perspective, use the execution evaluator, enter JavaScript to change the values
- D. In the inspector perspective, double click on the relevant variable and change the values in the variables window.

**Correct Answer:** D

**Section:** (none)

**Explanation**



**Explanation/Reference:**

**QUESTION 30**

A BPM application developer is building client side human services including custom coach views for inclusion in a set of business process definitions (BPDs). The BPM application developer tests the business processes using the process designer inspector. One of the human services is not working as expected and it is suspected that the JavaScript in the custom coach views is at fault.

Which of the following debugging tools can the BPM application developer use to diagnose the problem?

- A. BPM service debugger
- B. BPM process inspector
- C. Process admin inspector
- D. Browser debugger features

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [http://www.ibm.com/developerworks/bpm/bpmjournal/1312\\_chan/1312\\_chan.html](http://www.ibm.com/developerworks/bpm/bpmjournal/1312_chan/1312_chan.html) (browser trace)

**QUESTION 31**

The BPM process center experiences a CPU spike, affecting the availability of process center for other users. It is suspected that one of the services being tested by the application development team contains an infinite JavaScript loop, though the process center does not have loop detection exception enabled.

Where can the BPM application developer find information to indicate which service might be causing the issue? (choose 2)

- A. Process admin console
- B. Process portal debugger
- C. Browser debugger features
- D. Process designer inspector
- E. WebSphere application server log

**Correct Answer:** AB

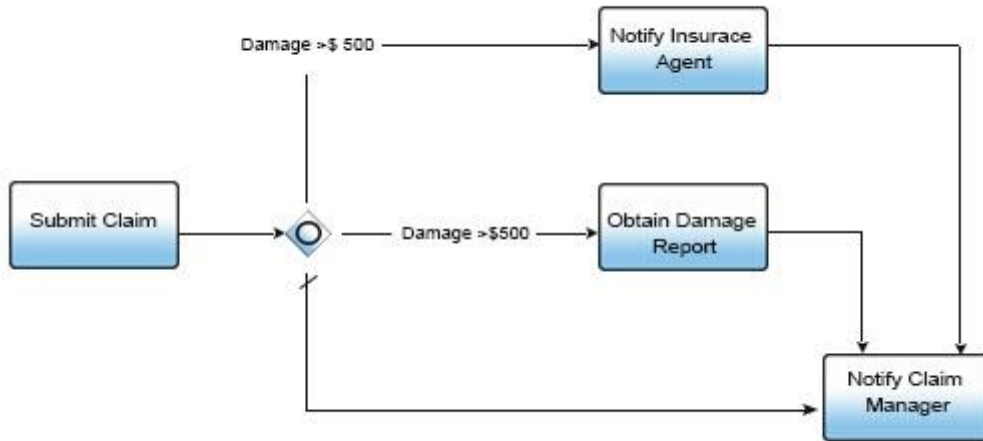
**Section:** (none)

**Explanation**

**Explanation/Reference:**

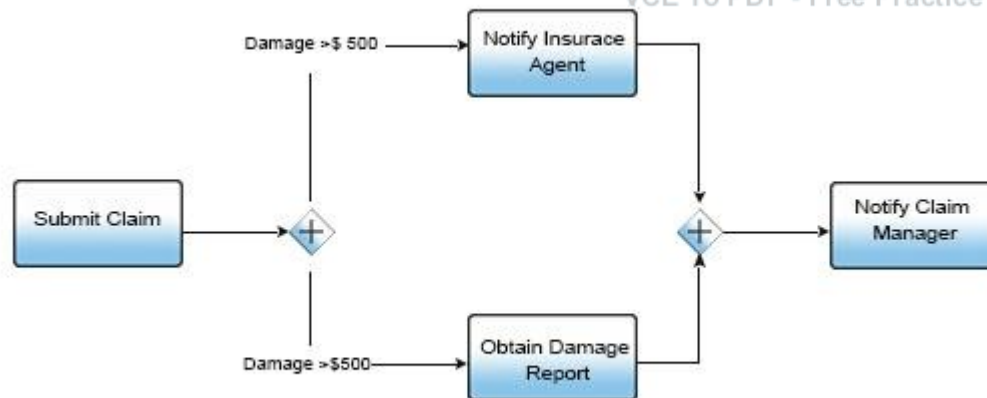
**QUESTION 32**

Per the following exhibit, when a claim is submitted, the claim manager must be notified. If the claim damage is more than \$500, a damage report must be provided and the insurance agent will be notified. In some cases, the claim manager will receive duplicate notifications from the claim submission process.

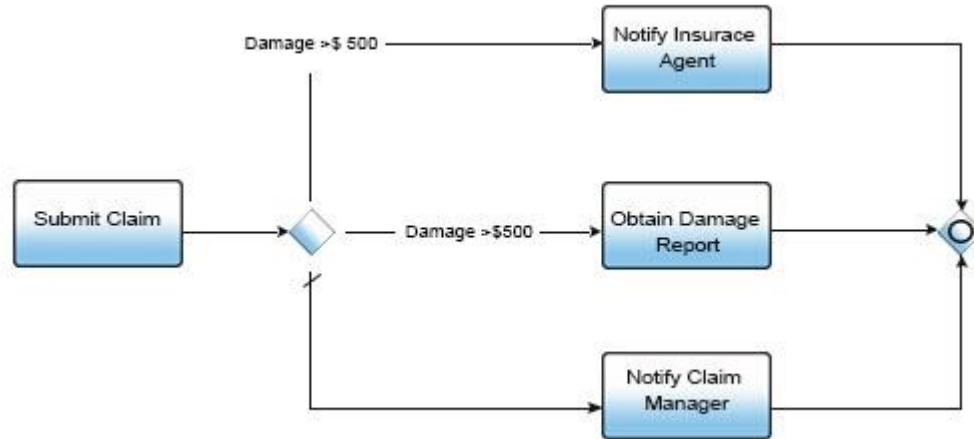


Which option will eliminate the duplicated notifications problem?

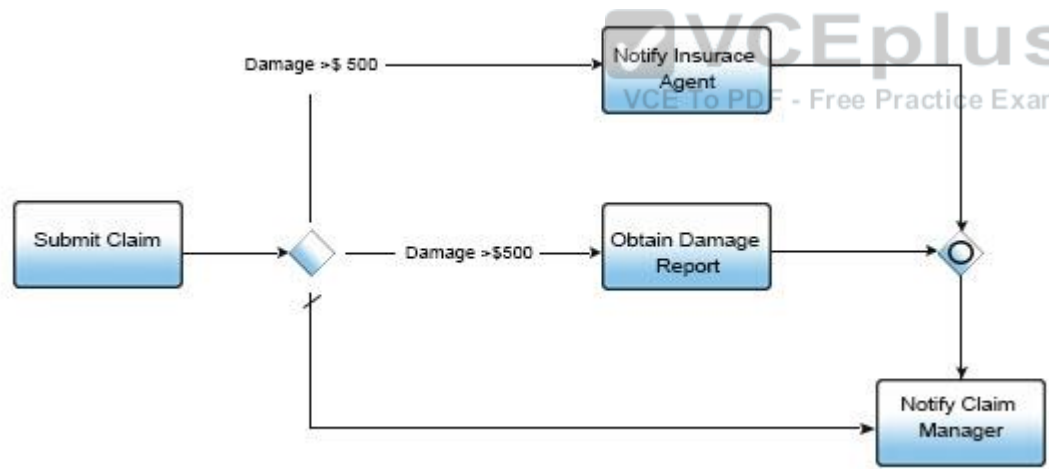
A.



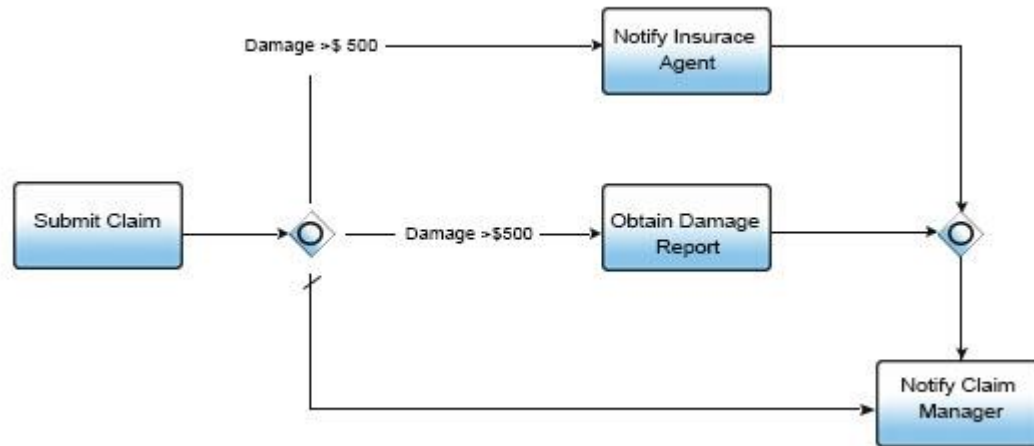
B.



C.



D.



**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 33

An insurance company has a claims process that is performed by a claims analyst and is due in 3 days. If the claims analyst has not completed the task in 4 days an escalation should be sent to a manager. The claims analyst can still complete the task, even if the escalation has been triggered, and the manager should only be notified once.

Which configuration should the BPM application developer implement for the escalation timer?

A. **Boundary Event Details**

Timer

Interrupt activity:   
Repeatable:

**Timer Properties:**

Trigger On: After Start of Step

Custom Date: [Empty]

Before or After Difference: 4 Days

Tolerance Interval: 0 Hours

B. **Boundary Event Details**

Timer

Interrupt activity:   
Repeatable:

**Timer Properties:**

Trigger On: After Due Date

Custom Date: [Empty]

Before or After Difference: 3 Days

Tolerance Interval: 1 Days

C. **Boundary Event Details**

Timer

Interrupt activity:   
Repeatable:

**Timer Properties:**

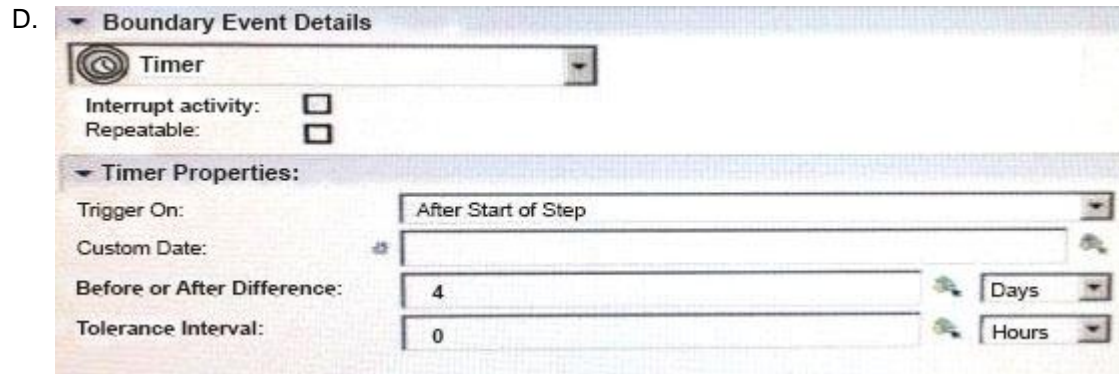
Trigger On: After Due Date

Custom Date: [Empty]

Before or After Difference: 1 Days

Tolerance Interval: 0 Hours





Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

### QUESTION 34

Consider the following service:



The service defines the following private variables:

- Private
  - name value (NameValuePair)
    - name (String)
    - value (String)
  - test (String)

The nested service defines the same variables as input variables, the data mapping looks as follows:



The initialize script initializes the variables and assigns the following values:

```
tw.local.namevalue.name = "a name";  
tw.local.test = "a test" ;
```

The nested service contains a script that changes the values:

```
tw.local.namevalue.name = "another name";  
tw.local.test = "another test" ;
```

The "log value step" on the service prints the values to the log:

```
tw.info ("name = " + tw.local.namevalue.name);  
tw.local("test = " + tw.local.test);
```

What will the BPM application developer see in the output log?

- A. name = a name  
test = a test
- B. name = a name  
test = another test
- C. name = another name  
test = a test
- D. name = another name  
test = another test

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

### QUESTION 35

An existing Case Type implementation is initiated either by adding documents of a specific document type to the BPM document management environment or manually by knowledge workers. Now, the case type needs to be enhanced, to initiate case instances programmatically.

How does the BPM application developer provide the capability?

- A. Drag the case type onto a swim lane
- B. Drag the case integration service onto a swim lane
- C. Use a JavaScript API function in a Script
- D. Use a REST API for case in a REST call

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



### QUESTION 36

A BPM application developer is building a case type. The BPM application developer has a wide range of existing BPM components available and wants to reuse as many of them as possible.

Which BPM implementation types can the BPM application developer use to build case type activities?

- A. Script, Subprocess and User Task
- B. Script, System Task and User Task
- C. Linked Process, Subprocess and User Task
- D. Linked Process, Subprocess and System Task

**Correct Answer: C**

**Section: (none)**

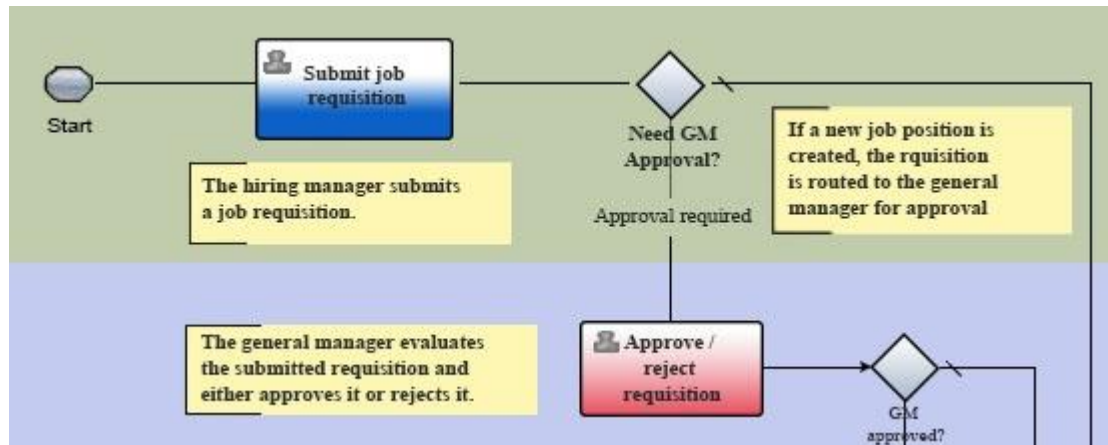
**Explanation**

**Explanation/Reference:**

Reference: [https://www-01.ibm.com/support/knowledgecenter/SSFTN5\\_8.5.6/com.ibm.wbpm.wle.editor.doc/topics/tcasecrtcasetype.html](https://www-01.ibm.com/support/knowledgecenter/SSFTN5_8.5.6/com.ibm.wbpm.wle.editor.doc/topics/tcasecrtcasetype.html)

**QUESTION 37**

A new business process application is being created with several business process definitions (BPD). One of them is shown in the exhibit:



The following requirement should be met:

The first user task should be assigned automatically to the user who starts this top level BPD.

A BPM application developer is creating a new business process application that is required to have no deprecated features.

How should the BPM application developer configure the assignment for this user task?

- A. Select **Last User** in the **User Distribution** field
- B. Select **Last User in Lane** in the **Assign to** field
- C. Select **Last User** in the **User Distribution** field and **Last User in Lane** in the **Assign to** field
- D. Select **Custom** in the **Assign to** field and write **tw.system.step.user** into the **Expression** field

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 38**

A company uses credit scores of their consumers to decide if further checks are necessary before sending out the products. Further checks are required when credit score falls below a threshold. The company must be able to change the threshold value at a designated date and time without having to deploy a new version.

What must BPM application developer use to provide the functionality?

- A. A global process variable
- B. A shared business object
- C. An environment variable
- D. An exposed process value

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 39

During the process discovery and documentation phase, a BPM application developer is trying to understand if a process is unstructured or structured.

Which of the following characteristics should the BPM application developer consider? (Choose 3)

- A. How predictable the process is.
- B. How well documented the process is.
- C. Are some activities in the process optional?
- D. What is the scope and complexity of the process?
- E. The value that the process represents to the core business.
- F. Are the process participants able to choose activities during execution?



**Correct Answer:** BDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 40

A bank has a loan request process with a user task called Approve Loan that is performed by members of the Underwriting Department. In order to reduce risk, the bank has a requirement, that only the senior underwriters can approve loans over a certain amount.

What must the BPM application developer use to meet this requirement?

- A. Ajax service

- B. Web service
- C. Team filter service
- D. Team retrieval service

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 41

Which characteristic does an unstructured adhoc activity have?

An unstructured adhoc activity:

- A. cannot be hidden
- B. must be non-repeatable
- C. must be started by a user
- D. has no input and output flows

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

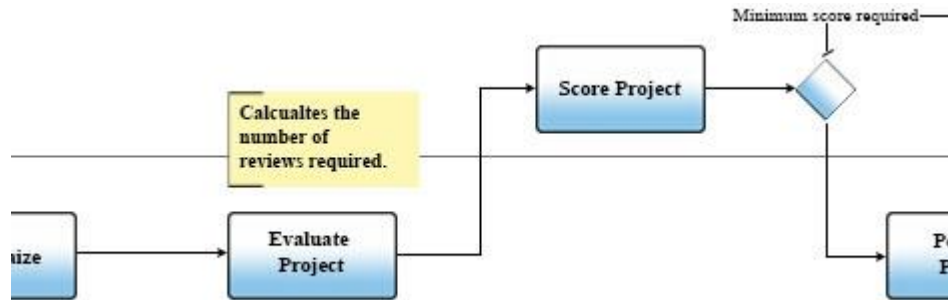
#### QUESTION 42

A construction company is using IBM business process manager to review projects. Every project should be reviews and scored by several subject matter experts (SME) before it is approved.

The number of reviews depends on a business rule that is evaluated at runtime. All the reviews should be executed at the same time by a different SME. Each review is recorded individually and should include the SME user ID. The company decided that no specific order is required for the final list of completed reviews.

If the score of the process reaches the minimal total score required before all the reviews have been completed, the process should continue and all pending review should be interrupted.

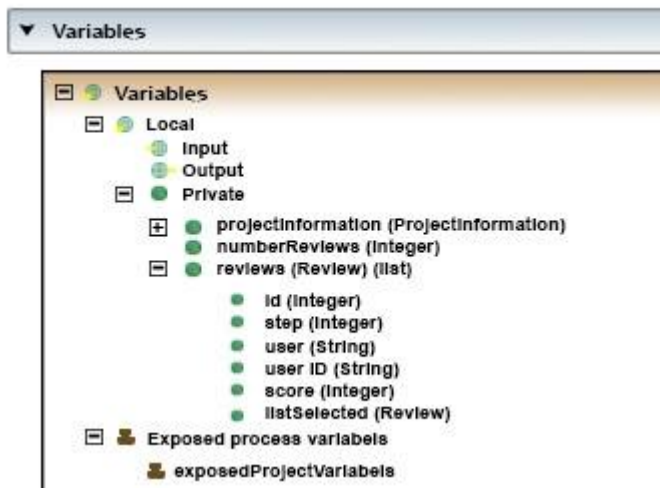
For this requirement, a BPM application developer is using a multi-instance loop (user task) and a decision task. The following JavaScript function is included in a server file. The *minimumScoreReached* function is defined so that the order of the final list of completed reviews is not supported.



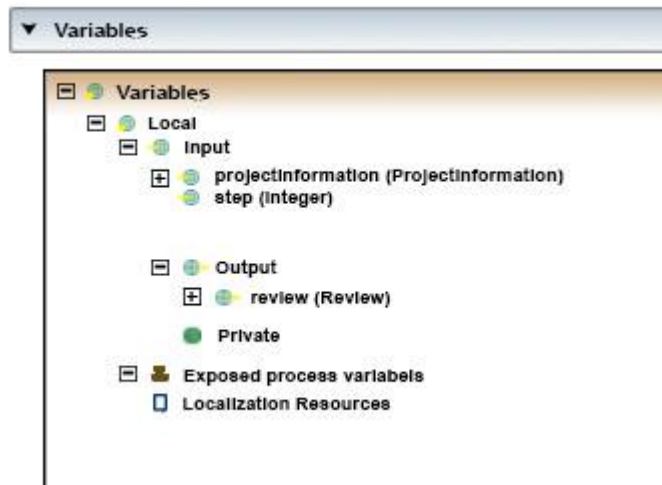
```

1 var Namespace = {
2   minimumScore Reached : function () {
3     var reviews = tw.local.reviews;
4     var limit = reviews.Length; var score = 0;
5     for ( var idx = 0 : idx < limit : idx++ ) (
6       score += reviews[idx].score;
7     )
8     log.info ( "log" score ""+score );
9     log.info ( "log" minimum score ""+tw.epv.exposedProjectVariables.minimumScore );
10    return (score > tw.epv.exposedProjectVariables.minimumScore) ? true : false;
11  }
12 }
  
```

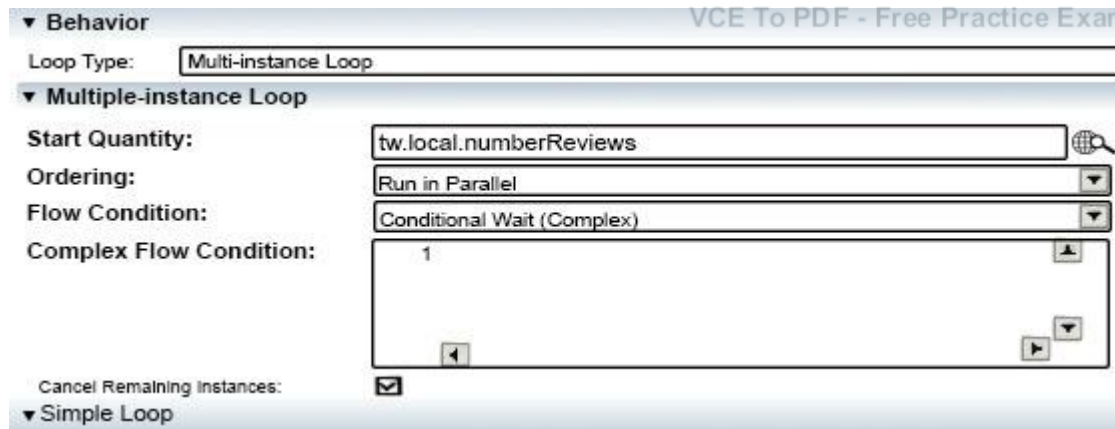
Variable in the Business Process Definition (BPD) are defined as follow:



Variable for **Score Project** task are:



How should the BPM application developer configure the behavior and data mapping for the multi-instance loop? (choose 2)





Input Mapping	Output Mapping
<input type="text" value="tw.local.projectInformation"/>   projectInformation (...)	review (Review)  <input type="text"/>
<input type="text" value="tw.system.step.counter"/>   step (Integer)	

- A. Map **review** output variable to **tw.local.reviews []** in the **Output Mapping** section.
- B. Map **review** output variable to **tw.local.reviews [tw.local.reviews.listLength]** in the **Output Mapping** section.
- C. Write *Namespace.minimumScoreReached()* in the **Complex Flow Condition** field
- D. Write *return Namespace.minimumScoreReached()* in the **Complex Flow Condition** field
- E. Add a new **step** output variable to the human service, and then use the following in the **Output Mapping** section:
  - Map step output variable to **tw.local.step**
  - Map review output variable to **tw.local.reviews[ tw.local.step]**

**Correct Answer:** DE

**Section:** (none)

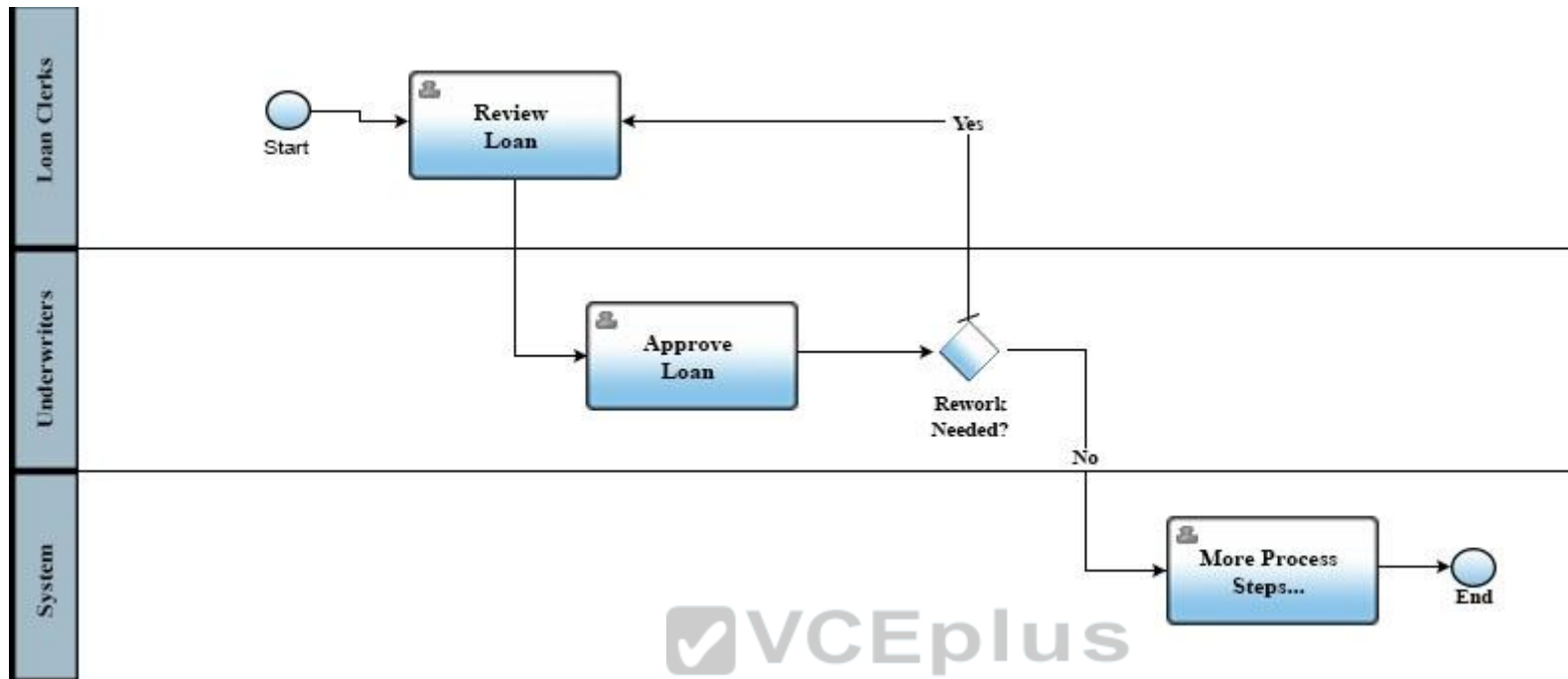
**Explanation**

**Explanation/Reference:**



#### QUESTION 43

A bank is implementing a new loan request process as shown in the following Business Process Definition (BPD):



The bank has analyzed the process and determined that rework happens 80% of the time. Interviews of the loan clerks who perform the review loan step show that the work to review the loan is complicated, and that help from more experienced clerks would benefit the less experienced clerks and reduce the amount of rework required.

The bank has done some research to identify the list of their most experienced loan clerks and requires the less experienced loan clerks to use the collaboration feature to get help from the more experienced clerks that are available.

What actions should the BPM application developer take to meet this requirement?

- A. Use a team filter service to add the list of experienced users to the Loan Clerks team.
- B. Use a team retrieval service to add the list of experienced users to the Loan Clerks team.
- C. Add the list of experienced clerks to a new team and assign the new team as an expert team on the Review Loan task.
- D. Add the list of experienced clerks to a new team and assign the new team as a managers team of the Loans Clerks team.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 44**

A company has implemented a case of managing customer complaints. When the customer calls in to ask about the status of the complaint, the Customer Service Representative (CSR) must be able to search by customer name in the Process Portal to find right case.

How must the BPM application developer provide this feature?

- A. Define a saved search in the process admin console
- B. Store the customers name in an exposed process variable
- C. Enable auto-tracking in the Overview tab of the Business Process Definition (BPD)
- D. Select the visible in process portal check box in the business data section in the process designer.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**