

Microsoft

MB-820 Exam

Microsoft Dynamics 365 Business Central Developer

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Version: 6.5

Question: 1

HOTSPOT

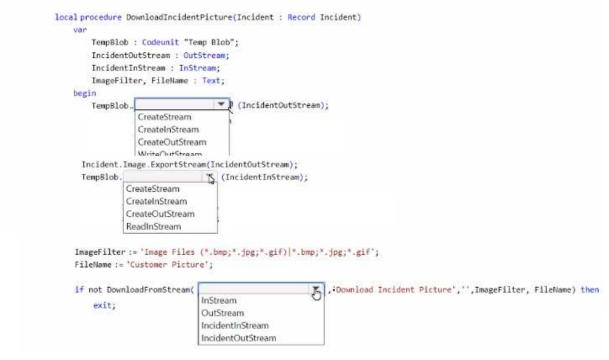
You need to download a stored picture from the Room Incident page.

How should you complete the code segment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

F

InStream and OutStream



Explanation:

Answer:

InStream and OutStream

local procedure DownloadJ	ncidentPicture(Incident : Record Incident)
var	
TempBlob : Codeu	it "Temp Blob";
IncidentOutStream	a : OutStream;
IncidentInStream	: InStream;
ImageFilter, File	Name : Text;
begin	Colored & United to
TempBlob.	<pre>(IncidentOutStream);</pre>
Creates	tream
Createl	nStream
Created	DutStream
WriteO	itStraam
Incident.Image.Expo	<pre>ntStream(IncidentOutStream);</pre>
TempBlob. CreateStre	am (IncidentInStream);
CreateInSt	ream
CreateOut	Stream
ReadInStre	am
ImageFilter := 'Image	<pre>Files (*.bmp;*.jpg;*.gif) *.bmp;*.jpg;*.gif';</pre>
FileName := 'Customer	
if not DownloadFromS	tream(, 'Download Incident Picture','',ImageFilter, FileName) then
	InStream
exit;	OutStream
	IncidentInStream
	IncidentOutStream

var

TempBlob: Codeunit "Temp Blob";

IncidentOutStream: OutStream;

IncidentInStream: InStream;

ImageFilter, FileName: Text;

begin

// Initialize the TempBlob and streams

TempBlob.CreateOutStream(IncidentOutStream);

Rec.Image.ExportStream(IncidentOutStream); // 'Rec' refers to the current Room Incident record TempBlob.CreateInStream(IncidentInStream);

// Set the filters and filename for the image

ImageFilter := 'Image Files (*.bmp,*.jpg,*.jpeg,*.gif)|*.bmp;*.jpg;*.jpeg;*.gif'; FileName := 'Customer Picture';

// Prompt the user to download the image

if not DownloadFromStream(IncidentInStream, ", 'Download Incident Picture', ", ImageFilter, FileName) then

```
Error('Unable to download the image.'); end;
```

Question: 2

HOTSPOT

You need to create the codeunit to read the POS terminal APIs.

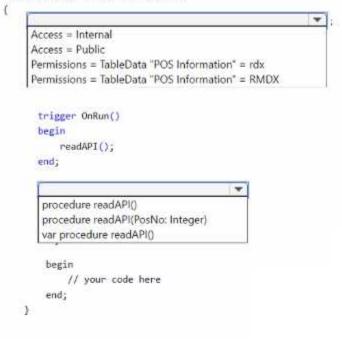
How should you complete the code segment? To answer, select the appropriate options in the answer area.

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NOTE; Each correct selection is worth one point.

Create and access codeunits

```
codeunit 52102 "POS API Management"
```



Explanation:

Answer:

Create and access codeunits

```
codeunit 52102 "POS API Management"
                                          {
                                                                                                    -
                                               Access = Internal
                                               Access = Public
                                               Permissions = TableData "POS Information" = rdx
                                               Permissions = TableData "POS Information" = RMDX
                                                trigger OnRun()
                                                begin
                                                    readAPI();
                                                end;
                                                                                      ¥
                                                 procedure readAPI()
                                                 procedure readAPI(PosNo: Integer)
                                                 var procedure readAPI()
                                                  begin
                                                      // your code here
                                                  end;
                                              }
codeunit 52102 "POS API Management"
{
  Access = Public;
  Permissions = TableData "POS Information" = rwdx;
  trigger OnRun()
  begin
    readAPI();
  end;
  procedure readAPI()
  begin
    // Your code here to read from the POS API
  end;
}
```

codeunit 52102 "POS API Management"	
1	• ;
trigger OnRun()	
begin	
readAPI();	
end;	
	*
begin	
// your code here	
end;	

Question: 3

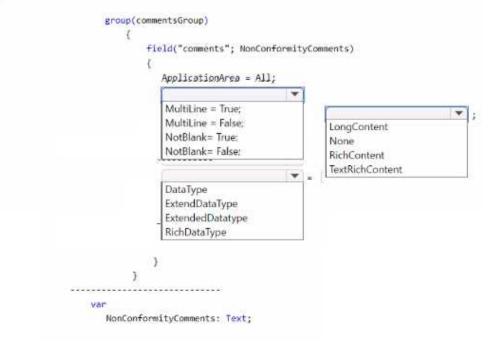
HOTSPOT

You need to define the properties of the comments field of the Non-conformity page.

How should you complete the code segment? To answer, select the appropriate options in the answer area.

NOTE; Each correct selection is worth one point.

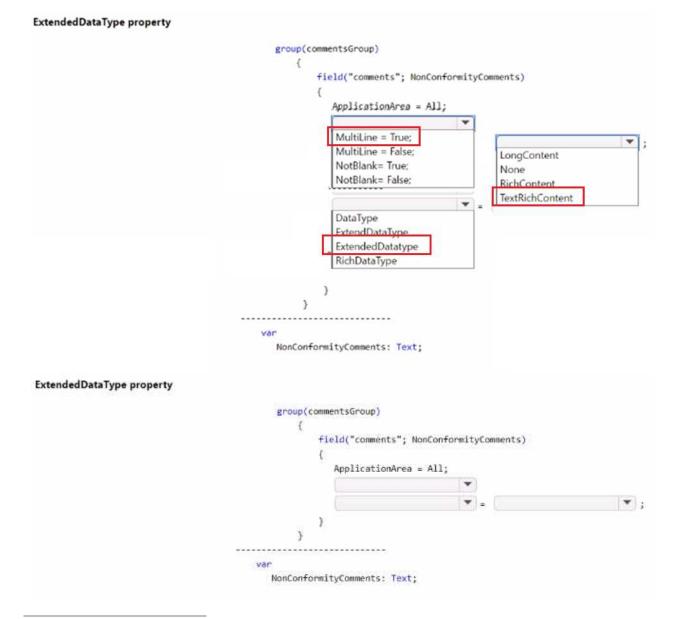
ExtendedDataType property



Answer:

Explanation:

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Question: 4

You need to define the data types for the fields of the N on-conformity table.

Which two data types should you use? Each correct answer presents part of the solution.

- NOTE: Each correct selection is worth one point.
- A. Integer for the N on-conformity Number field
- B. Date Time for the Non-Conformity Date field
- C. Char for the Non-Conformity Number field
- D. Date for the Non-Conformity Date field
- E. Code for the Non-Conformity Number field

Answer: C, E

Explanation:

In Business Central, fields in tables are assigned specific data types that determine the kind of data they can store. For the Non-conformity table mentioned in the case study, the following data types should be

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used:

Date for the Non-Conformity Date field: This is because the Non-conformity Date field is required to store only the date when the non-conformity was recorded. The Date data type is appropriate for storing dates without times.

Code for the Non-Conformity Number field: The Non-conformity Number field is described to use alphanumeric values with a format that includes "NC" and the year, like "NC24-001". In Business Central, the Code data type is used for fields that store alphanumeric keys. It is a text field with a limited length, which makes it suitable for number series that contain letters and numbers.

Other options are not suitable:

A. Integer for the Non-conformity Number field: This would not be appropriate because the Nonconformity Number includes alphanumeric characters and not just integers.

B. DateTime for the Non-Conformity Date field: This is not correct because there is no requirement to store the time alongside the date.

C. Char for the Non-Conformity Number field: Char data type is not typically used in Business Central for number series or identifiers. The Code data type is preferred for this purpose.

Question: 5

HOTSPOT

You need to create the Install codeunit that is requited in the extension used for installing or updating the Housekeeping app.

Which data type or declaration should you use? To answer, select the appropriate options in the answer area.

NOTE; Each correct selection is worth one point.

Data types or declarations for an Install codeunit

Data type for information	
Data type for miorination	ModuleDependencyInfo ModuleInfo SessionInformation
Start of the declaration of the method or procedure to perform the tasks	
	global procedure
	local procedure procedure

Explanation:

For the Install codeunit required for the extension used for installing or updating the Housekeeping app, you should use the following data type and declaration:

Data type for information: ModuleInfo

Start of the declaration of the method or procedure to perform the tasks: local procedure

In AL language, which is used for developing extensions in Business Central, an Install codeunit is a special type of codeunit that is used to handle installation or upgrade logic for an extension. ModuleInfo is a data type that contains information about the current extension, such as its version. It is typically used within the OnInstallAppPerCompany or OnUpgradePerCompany triggers of an Install codeunit to determine if the app is being installed for the first time or upgraded. A local procedure within an Install codeunit is a method that is only accessible within the codeunit itself.

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Answer:

It is not visible to other objects or extensions. This is suitable for tasks that are internal to the installation process and should not be exposed globally.

These selections align with the requirements of handling installation and update procedures in a controlled and encapsulated manner within Business Central extensions.

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