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ASD01 Exam

Designing Blue Prism Process Solutions

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Question 1. (Single Select)

You are the Lead Developer tasked with delivering four processes for the same client. You have enough developers in the team to develop all the processes in parallel. All the processes have one application in common, another application is used by two processes and one process uses an application that none of the others do. Which of the following statements is true?

A: Other than the standard utilities, there should be 4 objects.
B: Other than the standard utilities, there should be 3 objects.
C: Other than the standard utilities, there should be 7 objects.
D: It,s not possible to determine how many objects there should be.

Correct Answer: D

Question 2. (Multi Select)

The following Object Design has been created for a mainframe banking application.

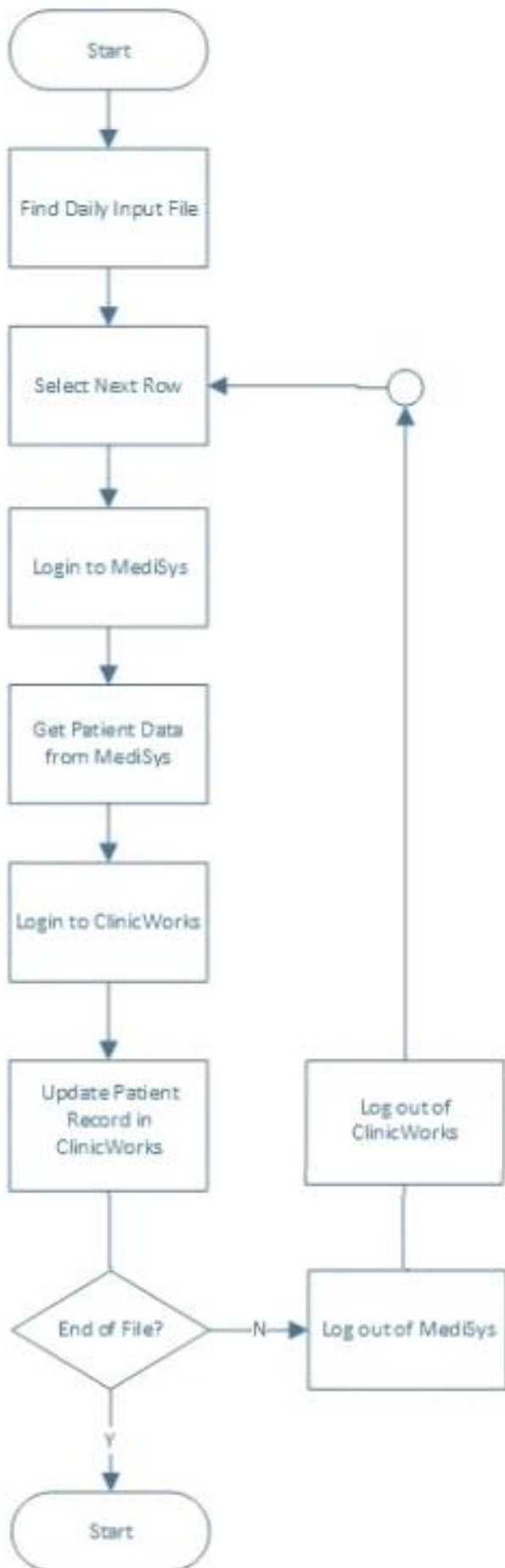| Object Name	Action Name	Inputs	Outputs	Notes
BankHost - Basic Actions	Launch	Session ID (text)		Launch using the supplied session ID
	Login	Username (text) Password (password)		Enter credentials
	Logout			Log out of the application
	Navigate	Account Number (text) Destination (text)		Enter the account number and destination screen code to navigate
	Return to Main Menu			Return back to the main menu
	Exit			Exit the application
BankHost - Customer Details	Attach	Session ID (text)		Attach to open session
	Get Customer Details		Title (text) Firstname (text) Lastname (text)	Data is then retrieved from the screen and passed out as outputs.
BankHost - Account Details	Attach	Session ID (text)		Attach to open session
	Get Account Details		Product Name (text) Product Type (text)	Data is then retrieved from the screen and passed out as outputs.
BankHost - Standing Orders	Attach	Session ID (text)		Attach to open session
	Get Standing Orders		Collection:- - Reference (text) - Frequency (text) - Date (number) - Amount (number)	Return all standing orders from the screen as output collection
	Amend Standing Order	Reference (text) Frequency (text) Date (number) Amount (number)		Taking the supplied reference locate the correct standing order and amend the frequency, date and amount to match the supplied reference
BankHost - Notepad	Attach	Session ID (text)		Attach to open session
	Type	Option (text)		Type of note to add (Information or Secure
	Add Note	Note (text)		Add the supplied note to the account

Which of the following statements about the Object design above are correct? (select 2 responses)

A: There is no need for attach actions to be replicated across all the objects.
B: The Add Note action in the "BankHost - Notepad" business object does not require an input for Type as the process definition document states that Information, will always be selected for this process.
C: The object design facilitates a scalable design that will reduce the impact of change when the object layer needs altering
D: The object design should be simplified by storing all BankHost actions in the same object
E: The design complies with Blue Prism design best practice.

Correct Answer: B, E

Question 3. (Multi Select)

Consider the following high-level design. The solution is intended to read medical data from one application in order to update another An input file is prepared by an overnight batch run for the solution to work through each morning before patients arrive. Usually the input file is fairly small but at certain times each month the file is much larger.

```
          ╭──────────╮
          │   Start  │
          ╰────┬─────╯
               │
               ▼
      ┌─────────────────┐
      │Find Daily Input │
      │      File       │
      └────────┬────────┘
               │
               ▼
      ┌─────────────────┐
      │ Select Next Row │◄──────────○
      └────────┬────────┘           ▲
               │                    │
               ▼                    │
      ┌─────────────────┐           │
      │ Login to MediSys│           │
      └────────┬────────┘           │
               │                    │
               ▼                    │
      ┌─────────────────┐           │
      │ Get Patient Data│           │
      │  from MediSys   │           │
      └────────┬────────┘           │
               │                    │
               ▼                    │
      ┌─────────────────┐           │
      │Login to ClinicWorks│        │
      └────────┬────────┘           │
               │                    │
               ▼                    │
      ┌─────────────────┐   ┌───────────────┐
      │ Update Patient  │   │  Log out of   │
      │   Record in     │   │  ClinicWorks  │
      │  ClinicWorks    │   └───────┬───────┘
      └────────┬────────┘           │
               │                    │
               ▼                    │
          ◇─────────◇      ┌───────────────┐
         ╱           ╲     │  Log out of   │
        ◇ End of File? ◇─N─►│   MediSys     │
         ╲           ╱     └───────────────┘
          ◇─────────◇
               │
               Y
               │
               ▼
          ╭──────────╮
          │   Start  │
          ╰──────────╯
```
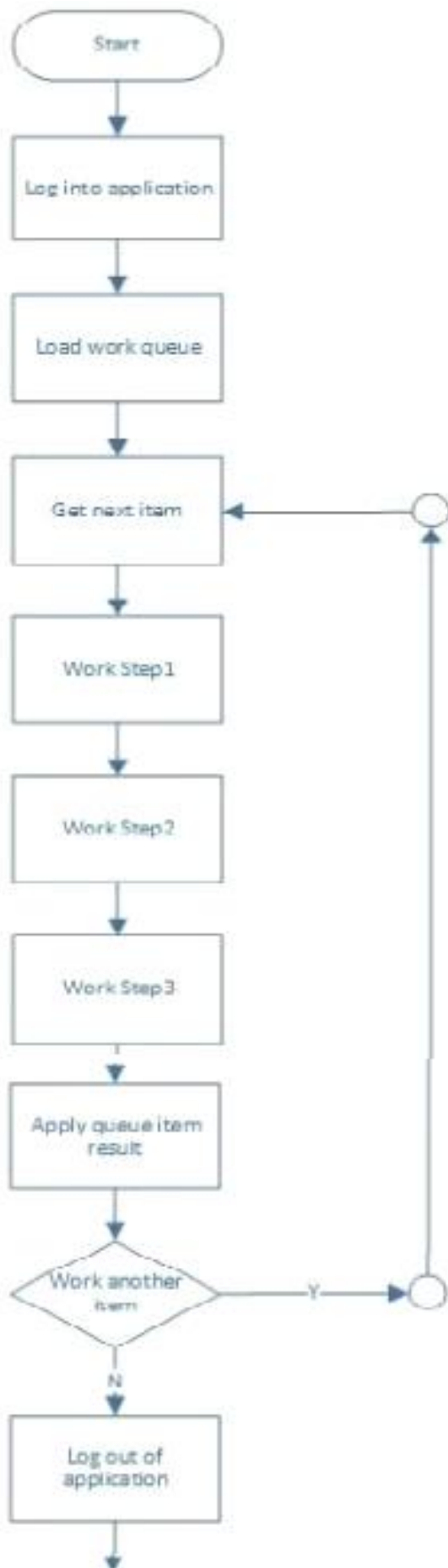
Which of these options should be considered by the process solution designer to guarantee the quality of the end-to-end solution? (select 4 responses)

A: Once in production the process controller should ensure that the process is only ever run on one Resource PC

B: Each Resource PC should be set to take a different row from the others, e, g. RPC-A works rows t, 4, 7, 10 etc., RPC-B works 2, 5. 8 etc and RPC-C works 3, b, 9 etc.

C: The solution should split the file into pieces to distribute to each Resource PC.

D: The solution should log in to the applications before starting the case working loop

E: The solution should log out from applications after exiting working loop.

F: The file should be updated after each case to indicate that the case has been worked.

G: The solution should use an environment lock to ensure the file can only be accessed by one Resource PC at a time.

H: The batch run should create multiple input files so that each Resource PC has its own file to work with

I: Once in production the clinic should wait until the solution has completed before admitting patients

J: The solution should start by loading the file data into a work queue.

K: The file should be updated at the start of each case to prevent other RPCs from working it.

Correct Answer: B, K, F, G

Question 4. (Multi Select)

Consider the following high-level design:

The application concerned is prone to being sluggish or even unresponsive at times. As the solution designer you should anticipate that there will be system exceptions and that after an exception case the application might not be in arNdea1 state. What should you do? (select 3 responses).

A: Add clean up, logic to get the application in the right position after Apply Queue Item Result.
B: Kill the application after each case and log back in to ensure the next case starts in the right position.
C: Restart the application if attempts to navigate back to the home position fail
D: Move Log into Application to be before Work Stepl1 and move Log Out of Application to be after Step3.
E: Instruct the developers to build objects capable of navigating the application back to the home position.
F: Add "clean up, logic to get the application in the right position before Work Stepl1.
G: Add clean up, logic to get the application in the right position after Work Step3.

Correct Answer: A, D, C

Question 5. (Single Select)

Consider the following steps for a theoretical manual process
• Check in input folder for any new files.
• If there are no files check again later as files can arrive anytime, and there is no limit to the number of files that may come.
• Open the next available file.
• Take the first case
• Start System X and find the case details.
• If the case can't be found, move to the next one.
• After finding the case in System X. fetch additional case details from System Y.
• Again if the case can't be found, move to the next one
• Analyse all the data to see if System Z should be updated.
• If the data does not meet the requirements, add notes indicating this to Systems X and Y and move to the next case
• If the data does meet the requirements, update the case in System Z
• Add notes to Systems X and Y and move to the next case.
• At the end of the file, go back and look for another
• Stop checking for new files at 16:00 and finish any remaining cases.

• When all work is complete create a report of the day's exception cases.

• Close down Systems X, Y and Z.

If the volume of incoming cases is such that 1 Resource PC can easily handle the workload, which of the following steps for an automated solution should be part of the 'Preparation' phase of an automated process?

A: Check input folder, wait for files

B: Log into applications

C: Check input folder, wart for files, read file and load queue

D: Check input folder, wart for files, read file and load queue, log into applications.

Correct Answer: D

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