Blue Prism Interview Questions And Answers For Experienced

Blue Prism Interview Questions

1. What is Bot in Blue Prism?
2. What is Object studio in Blue Prism?
3. What is Process studio in Blue Prism?
4. What is Work queue in Blue Prism?
5. What are Credentials in Blue Prism?
6. What is Schedular in Blue Prism?
7. What is Queue Manager in Blue Prism?
8. What is Security in Blue Prism?
9. What are Environmental variable in Blue Prism?
10. What is a Tag in Blue Prism?
11. Where do you Set the Priority for a Work Queue item is done in Blue Prism?
12. Blue Prism recommends that the BP Process Templates are used as the basis for all processes created.
13. In Blue Prism attempts only apply to exceptions – items marked as complete cannot be reworked.
14. In Blue Prism the Queue Contents list can be exported as what extension?
15. Most exception handling should be done at the object level in Blue Prism. Is this statement true or false?
16. What exception type is not generated by the exception stage in Blue Prism.
17. A page can have multiple Blocks, as long as they do not overlap in Blue Prism. Is this true or false?
18. How do you exit spy mode in Blue Prism?
19. In Blue Prism, how does a stop request know when to stop.
20. Exception functions like ExceptionDetail() and ExceptionType() are used in Blue Prism.

Blue Prism Interview Questions And Answers

1) What is Bot in Blue Prism?

A) Software robot to fetch info

2) What is Object studio in Blue Prism?
A) Used to interact with external applications

3) What is Process studio in Blue Prism?
   A) Build the software to operate the external app

4) What is Work queue in Blue Prism?
   A) Where we can process multiple items using a single bot

5) What are Credentials in Blue Prism?
   A) Used to store password and user details

7) What is Schedular in Blue Prism?
   A) Used to organize the item to complete its work according to its priorities

8) What is Queue Manager in Blue Prism?
   A) Used to manage the items in the queue

9) What is Security in Blue Prism?
   A) There are 3 different types of security available, they are:
      - User: to assign new user info, we can assign accordingly
      - Credentials: to store secret infos
      - Options: rules for password settings

10) What is Environmental variable in Blue Prism?
    A) Environmental variables are used to keep the value of that variable dynamic and can be used when ever wanted.

Blue Prism Interview Questions And Answers
11) What is a Tag in Blue Prism?
A) The keyword of term assigned to a Work Queue item.

12) Where do you Set the Priority for a Work Queue item is done in Blue Prism?
A) Setting the Priority for a Work Queue item is done in the control center.

13) Blue Prism recommends that the BP Process Templates are used as the basis for all processes created.
A) True

14) In Blue Prism attempts only apply to exceptions – items marked as complete cannot be reworked.
A) True

15) In Blue Prism the Queue Contents list can be exported as what extension?
A) “.bprelease”

16) Most exception handling should be done at the object level in Blue Prism. Is this statement true or false?
A) True

17) What exception type is not generated by the exception stage in Blue Prism.
A) Business Exception
18) A page can have multiple Blocks, as long as they do not overlap in Blue Prism. Is this true or false?

A) True

19) How do you exit spy mode in Blue Prism?

A) ctrl + left click

20) In Blue Prism, how does a stop request know when to stop.

A) It stops in 3 stages always

Blue Prism Interview Questions And Answers

21) Exception functions like ExceptionDetail() and ExceptionType() are used in Blue Prism.

A) In any stage we can use exception functions like ExceptionDetail() and ExceptionType()

22) The formula [Data1]<123 will return true if Data1 current value is 132.

A) True

23) A wait with no condition is commonly referred to as what in Blue Prism.

A) Wait with no condition is commonly referred as Throttle in Blue Prism.

24) A Session can only run once; to run a Process again a new session must be created in Blue Prism.

A) True

25) Best Practices in Blue Prism recommend what Stage at the start of each action.
A) Wait stage is recommended at the start of each action.

**Top Blue Prism Interview Questions**

26) Your Main Page should contain what in Blue Prism?

A) Main page should contain high level steps.

27) **How can you export a** Process or Business Object **in Blue Prism**?

A) Yes, we can, a process or Business Object can be exported as a “.PDF”

28) **Which stage is available in Blue Prism process studio.**

A) Navigate stage is available in process studio.

29) **When creating your own loops always create a counter and throw an exception if it loops to much in Blue Prism. Is it true or false?**

A) True

30) **What stage attracts or catches the exception in Blue Prism?**

A) Resume stage attracts or catches the exception in Blue Prism.

**Blue Prism Interview Questions And Answers**

31) **When an exception is caught, the Business Object or Process is said to be as what in Blue Prism.**

A) When an exception is caught, the Business Object or Process is said to be as an Exception Block.

32) **Resume stage does not fix anything in Blue Prism. Is it true or false?**
33) In Blue Prism, Exception functions like ExceptionDetail() and ExceptionType() cannot be used in Recovery Mode. Is it true or false?

A) True

34) The “Preserve” check box must only be used at what stage in Blue Prism?

A) The “Preserve” check box must only be used after the Resume Stage.

35) Without what stage, a Recover stage will handle any exception on that page.

A) Without Exception Stage, a Recover stage will handle any exception on that page

Blue Prism Interview Questions And Answers

36) What is a collection in Blue Prism?

A) A collection is a collection of essentially a list of jobs, or cases.

37) A Get Next Item Action should almost invariably be followed by which stage in blue prism?

A) Get Next Item Action should almost followed by Wait stage.

38) In Control Room an unworked or pending item will be marked by which symbol in blue prism?

A) In Control Room an unworked or pending item will be marked by three blue dots.

39) When an item is being worked, it is locked so no-one else can work it in blue prism. Is it true or false?

A) True
40) Each item in a Work Queue has its own ___ to hold data in Blue Prism.

A) Each item in a Work Queue has its own Object to hold data.

41) If Get Next Item fails to get an item, it means that there are no unworked items in the queue in Blue Prism.

A) True

42) When Max Attempts is greater than 1 the work queue will revive any exception cases by what in Blue Prism?

A) Cloning a new item and inserting it into the queue.

43) The Retry input parameter of the Mark Exception action can be used to override Max Attempts in Blue Prism.

A) True

44) You can configure a safe stop within your process by using what feature in Blue Prism?

A) Immediate Stop feature.

45) What stage can evaluate a series of expressions rather than just one in Blue Prism?

A) Switch stage can evaluate a series of expressions rather than just one
46) By default, stages used in Object Studio are logged and those in Process Studio are not in blue prism. Is this true or false?

A) True

Blue Prism Interview Questions And Answers

47) How can you manage web services from which server in Blue Prism?

A) Yes, we can you manage the web services from the Application Server.

48) A Process or Business Object can be exported as an XML file in Blue Prism. Is this true or false?

A) True

49) What is Set Data Action (Internal-Work Queues Business Object) in blue prism?

A) Use the Set Data Action (Internal-Work Queues Business Object) to save the updated data collection back to the queue.

50) What is used to measure process performance and for generating MI (Management Information)?

A) Object data is used to measure process performance and for generating MI (Management Information).

RPA Blue Prism Interview Questions

51) What are Outputs in Blue Prism?

A) Blue Prism provides the Release Manager which allows users to create checklists known as Outputs.

Blue Prism Interview Questions And Answers
52) What are Credentials in Blue Prism?

A) Use Blue Prism's "Credentials" feature to control access to a file. (Process must request permission.)

53) A Get Next Item Action should almost invariably be followed by which stage?

A) Wait stage

54) To ensure any sensitive data held within the queue is managed, what should you do?

A) Do not add sensitive data to the queue

55) Why do we use Parentheses in expressions in Blue Prism?

A) Parentheses must be used to include a Data Item in an expression.

56) An exclusive Process must run on its own and cannot run at the same time as any other Processes in Blue Prism.

A) True

57) What is Parent Value in Blue Prism?

A) Although Parent Value is a fairly common attribute, it can make all the difference.

Blue Prism Interview Questions And Answers

58) Exception functions like ExceptionDetail() and ExceptionType() cannot be used in Recovery Mode. Is this true or false?

A) True

59) Once an object has launched an application, any attempt to re-launch will cause an exception. Is this true or false?
60) What is Wildcard match type in Blue Prism?

A) Wildcard match type to use the value of an attribute from the diagram rather than one in Application Modeller.

Blue Prism Interview Questions And Answers

61) What are Global Mouse Click and Global Send Keys in Blue Prism?

A) Global Mouse Click and Global Send Keys are examples of operations that need an active application.

Blue Prism Interview Questions And Answers

62) The standard BP Performance Report requires that all exception items are tagged as either (+1)

A) System

Blue Prism Interview Questions And Answers

63) Which Tag Filter returns the next item with the “Type1” tag and without a “Source1” tag?

A) “Type1”

Blue Prism Interview Questions And Answers

64) Loop Again? is [Loop Count]>[Max Loops]. Count is [Loop Count]+1, once ran Loop Count value is what?

A) Loop count value is 7.

65) Which stage allows us to check if an application is connected in this manner?
66) The Launch action shown is not accessible to a newly created Process P1. What is the problem?

A) Action Launch has errors

67) What is the outcome of running this diagram?

A) Exception 3 stage will throw a new Exception

68) If the Calc1 stage throws an error, what happens?

A) It is caught by the Recover1 stage

69) This Action returns unwanted items with the tag “Elite Status”. Which Tag Filter fixes this?

A) "-Elite Status"

70) Explain about Tag in Blue Prism?

A) A Tag is a keyword of term assigned to a Work Queue item as a method of categorizing or grouping that item.

Blue Prism Interview Questions And Answers

71) What are the uses of Tags in Blue Prism?

A) Tags can be used when getting items (Using Get Next Item) from the Work Queue. You can filter the items to retrieve by the presence or absence of a specific tag, by giving the appropriate arguments to the Tag Filter input parameter of the Get Next Item action.

You can also use a combination of tags in the Tag Filter parameter, separated by semi-colons. For example, by setting the Tag Filter to be “+Work Type1;+Customer
Type2;-Work Source1” the next item with the “Work Type1” and “Customer Type2” tags and without a “Work Source1” tag will be returned.

Blue Prism Interview Questions And Answers

72) Explain Status in Blue Prism?

A) Each Work Queue item has a status. The status can be used as a method of recording what work has been done so far on a Work Queue item. Select the Update Status action.

73) How can you set the priority for a work Ques in Blue Prism?

A) Setting the Priority for a Work Queue item is done when the item is first added to the queue using the Add To Queue action. The Priority of an item cannot be changed after it has been added to the queue.

74) What is Priority input parameter?

A) Populate the Priority input parameter of the Add To Queue action. Items are worked in order of lowest priority number first, so an item with Priority set to 1 will be worked before an item with Priority set to 2.

If the Priority input parameter is not set, the default value of 0 (highest priority) is used. The next item to work is always returned in order of priority, and then date loaded into the queue (oldest first).

Blue Prism Interview Questions And Answers

75) What is a conclusion in Blue Prism?

A) If a process is successfully completed to a conclusion (no more working is required on the case) the work queue item should be tagged as completed, with a brief completion type.

Because tags show up on the Blue Prism Performance Report, tagging completed statuses provides an easy way to keep track of how many cases complete with each completion reason.
Advanced Blue Prism Interview Questions

76) What is a Blur Prism Process Template?

A) It is strongly recommended that the Blue Prism Process Templates are used as the basis for all processes created in Blue Prism. Using templates ensures processes are easy to configure and support, and how Work Queues are used is consistent across all processes that are created.

77) What are Multiple-Part Processes?

A) Multiple-Part Processes: where a case needs to be worked in multiple parts at different times

Parent/Child Relationships: where individual Work Queue items must be linked to a single request

Using Workflow Systems: where work is driven from an external system rather than from a Blue Prism work queue

Real-time work requests: where requested are added throughout the day and must be worked in a short SLA period

78) What is active queue configuration in Blue Prism?

A) Instead of creating sessions separately in Control Room and then moving to the queue management page to see the results, active queues allow you to set a target number of resources which should be working the queue, Blue Prism uses the active queue configuration to determine how to achieve that target.

Active Work Queues are only useful when running dozens of sessions for one process. When this is not the case, the benefits of Active Work Queues will not be realized.

79) What are Work Queues in Blue Prism?
A) Multiple machines can work from the same queue at the same time, each retrieving different cases to work.

80) What is a Control Room in Blue Prism?

A) In Control Room an unworked or pending item will be marked with three blue dots. Locked items are marked with a padlock. Completed items are marked with a green check mark. Exception items are marked with a purple flag.

Blue Prism Interview Questions And Answers

81) What is Work Queue – Internal in Blue Prism?

A) The special “Work Queue – Internal” Business Object is used to interact with a work queue. When an item is being worked, it is “locked” so no-one else can work it.

When an item is marked as “complete” or “exception”, the lock is released. An item is referred to by its unique Blue Prism ID. Each item has its own Collection to hold data.

Blue Prism Interview Questions And Answers

82) What is Got Item in Blue Prism?

A) A Get Next Item Action should almost invariably be followed by some sort of “Got Item?” Decision. An expression checking if the ID is blank is the best way to test if you have got an item.

83) What is the use of the Encrypted option in Blue Prism?

A) The Encrypted option is available to ensure any sensitive data held within the queue is encrypted in the Blue Prism database.

84) What is the use of deferred in Blue Prism?
A) New items can be deferred to prevent them from being worked too soon. If a deferral date is specified when items are created, the queue will hold on to them until that date. Effectively the items are temporarily frozen.

85) What are unworked items in Blue Prism?

A) If Get Next Item fails to get an item, it does not necessarily mean there are no unworked items in the queue; it could be that there are deferred items the queue is yet to release.

Blue Prism Certification Questions And Answers

86) What is Max Attempts field on the Work Queue Configuration in Blue Prism?

A) Items can be worked more than once if necessary. The Max Attempts field on the Work Queue Configuration section of System Manager is set to 1 by default but this can be set to a higher value if necessary. When Max Attempts is greater than 1 the work queue will revive any exception cases by cloning a new item and inserting it into the queue.

87) What is Retry input parameter in Blue Prism?

A) The Retry input parameter of the Mark Exception action in the Internal – Work Queues Business Object can then be used to override Max Attempts. When Retry is True, the queue will generate another attempt if the limit of Max Attempts has not been reached. But when Retry is False, it will override Max Attempts and prevent any further attempts regardless of the number of retries available.

Blue Prism Interview Questions And Answers

88) What is Keep Locked input parameter in Blue Prism?

A) The Keep Locked input parameter works in conjunction with the Retry input. When Keep Locked is True, the new cloned item will become instantly locked. This provides
the opportunity to carry on working on the new item. When Keep Locked False, any new item created is freely available as the “next” item.

89) **What is Attempts only apply to exceptions?**

A) Attempts only apply to exceptions – items marked as complete cannot be reworked.

90) **What is the use of Resume function in Blue Prism?**

A) A work queue can be temporarily paused so that it will not release items at all. The Resume function reactivates a paused queue.

**Blue Prism Interview Questions And Answers**

91) **What is Queue Contents list in Blue prism?**

A) The Queue Contents list can be exported as a basic report.

92) **What is work queue in Blue prism?**

A) A work queue is an internal configurable list that enables a Process to manage its workload. A Process can use different work queues and a work queue can be shared by multiple Processes if required.

**Blue Prism Interview Questions And Answers**

93) **What is Internal – Work Queues Business Object in Blue Prism?**

A) After each Calculation add an Action using the Set Data from the Internal – Work Queues Business Object to commit the change back to the queue

94) **Why do you provide empty fields in Blue Prism?**

A) Providing empty fields (like Narrative) when the item is created could provide storage for data collected while the item is being worked.
95) **What are Tag searches in Blue Prism?**

A) Tag searches support two wildcards. An asterisk character can be used to search for ‘any other characters’, and a question mark character can be used to search for ‘any single character’.

96) **What is the importance of work items in Blue Prism?**

A) It is important to ensure work items given a lower priority are eventually worked. If your process is configured to prioritize work in an order other than the default first in first out, there is a risk that lower priority work might never be worked.

To circumvent that risk your options include: Ensure that there is always enough robots working the process to clear all work each day • Design a solution that uses more than one method of prioritizing, adding logic to your design that works lower priority items if they are over a configured age.

Include SLA monitoring and alerting to your solution, to ensure Blue Prism Controllers are informed if work items are at a risk of missing their SLAs. The Controller can then take the appropriate action if required.

**Blue Prism Interview Questions And Answers**

97) **What is the use of Process Templates in Blue Prism?**

A) By using Process Templates:

- Where the Work Queue is loaded with new work and where the Get Next Item action is used is standardized across all processes
- All complete cases are routed through a “Resolve Item” page and all exception items are routed through a “Resolve Exception” page.
- This is easier to develop and support than having multiple Mark Exception and Mark Completed stages throughout your process
- Process development is quicker because examples are provided of different Work Queue loading scenarios
- It is easier to familiarise yourself with already created processes since they follow similar templates.
98) What is the use of deferring as a method for a multi-part process in Blue Prism?

A) Using deferring as a method for a multi-part process is best suited to:

- Processes where the separation period (minutes rather than days) and/or
- Processes where not every item needs to be deferred

99) What is the use of multiple queues as a method for a multi-part process in Blue Prism?

Using multiple queues as a method for a multi-part process is best suited to:

- Processes where the separation period in work is longer (days) and/or
- Processes where every item needs to be processed in multiple parts

Blue Prism Interview Questions And Answers

100) How can you maintain Parent/Child Relationships?

The recommended way to maintain Parent/Child Relationships is by:

- Tagging related child items with a “Key” Item Tag that only they are tagged with
- The use of an additional Parent Work queue, providing a single view of the related work

Blue Prism Interview Questions For Experienced

101) What are two main methods of a Blue Prism process getting work from a Workflow System in Blue Prism?

A) There are two main methods of a Blue Prism process getting work from a Workflow System:
Method 1: Load all work from the Workflow System into a Blue Prism Work Queue at once. Blue Prism robots get items to work from a Work Queue instead of from the Workflow System.

Method 2: Blue Prism robots get cases to work directly from the Workflow System. For each case, an item is added to the Blue Prism Work Queue and immediately locked for work.

Blue Prism Interview Questions And Answers

102) Explain about automated solutions working short SLA?

A) The following are recommendations for automated solutions working short SLA or real-time requests:

- Separate the work request confirmation from the work. With Blue Prism, work will never be completed instantly, it will be queued and processed via the User Interface. The source of the work request should be designed with this in mind. For example, if a work request comes via a Web Service call, Blue Prism should simply add the request to a Work Queue and respond (output) that the request has been received.

- Allocate Enough Robots. Ensure enough robots are allocated to work the Work Queue at peak times with the Expected SLA. A method of alerting the Controllers should be designed into a solution to inform them if an SLA is at risk of being missed. Work Queues can be reported upon to estimate whether the available capacity is enough to meet expected work loads
- Have a robust contingency. Contingency planning is an integral part of a Blue Prism framework. Ensure expected SLA times are included in your contingency plans.

Blue Prism Interview Questions And Answers

103) What is the use of work queues in blue prism?

A) Blue Prism uses work queues to manage its workload.

A work queue is a list of cases to be worked by a process.
104) What is the use of Queue data in Blue Prism?

A) Queue data is used to measure process performance and for generating MI (Management Information).

105) What is the use of the process in Blue Prism?

A) A process is unlikely to be able to complete every single case and some will be identified as exception cases.

106) Explain about exception handling in Blue Prism?

A) Most exception handling should be done at process (or component) level. Business objects can contain exception handling but in general they should be kept as simple, reusable pieces of logic.

107) Explain left unchecked?

A) Remember that if left unchecked, an exception will bubble upwards towards the main page of the parent process, ultimately bringing the process to a stop.

**Blue Prism Interview Questions And Answers**

108) Can you explain about launch exception in Blue Prism?

A) Once a business object has launched an application, any attempt to launch again will cause an exception. Once a business object has become attached to an application, any attempt to attach again will cause an exception.

109) What is the use of Recover stage in Blue Prism?

A) By default a Recover stage will attract any exception occurring on its page, and this can sometimes lead to an infinite loop.

110) What is a block in Blue Prism?
A) A Block is a mechanism for isolating exception handling to a specific area and is a good way to prevent an infinite loop.

**Blue Prism Interview Questions And Answers**

111) Can you describe about exception in Blue Prism?

A) So the term ‘exception’ is used to describe a problem Blue Prism encounters while it is running, but not every exception should be thought of as ‘bad’. Blue Prism enables us to invent as many types of exception we want and normally we use at least two. System and Business

Blue Prism recommends that the number of exception types used is kept to a minimum to ensure ease of understanding and support.

**RPA Blue Prism Interview Questions And Answers**

112) What is the Internal exception in Blue Prism?

A) ‘Internal’ is the type of exception that isn’t generated by an exception stage, and we have already seen an example in the previous exercise where we first attempted to attach to Notepad. In simple terms, the internal exception is used by Blue Prism to say ‘there is a problem and I can’t do this part’.

113) What is recover stage in Blue Prism?

The Recover stage attracts exceptions rather like a magnet. Once the flow of a process (or business object) has reached a Recover stage it is said to be in Recovery Mode.

The Resume stage neutralizes, or kills off, the exception and moves the process out of Recovery Mode. Once past the Recover stage, the process is back into ‘normal’ running mode.

114) What are expression functions in Blue Prism?
Note that the expression functions (found in the properties forms where an expression is required) must only be used during Recovery Mode and will themselves generate exceptions if they are used anywhere else.

**Blue Prism Interview Questions And Answers**

115) Can you explain about exception handling in blue prism?

Exception handling tends to be done above the business object layer. This simplifies the business object design and avoids adding complexity that might hinder the reusability of the object.

116) What are business objects in blue prism?

Business objects usually contain very little (or no) exception handling. Exception handling and retrying tends to be done on layers above the object layer. The top main page generally uses an exception block to cover the layers beneath it.

**Blue Prism Exceptions Interview Questions**

117) What is Retrying in blue prism?

Retrying simply means to recover an exception and then steer the flow back into the main part of the diagram in the hope that the problem will be alleviated by another attempt.

The decision whether to retry is normally governed by the exception details and the number of retries that have been attempted. To avoid retrying too many times data items are often used to monitor the number of iterations around the exception handling loop.

**Blue Prism Interview Questions And Answers**

118) What is Preserve the type and detail of the current exception in blue prism?

It is important to understand the role of the ‘Preserve the type and detail of the current exception’ checkbox. When this checkbox is ticked, the exception stage simple
‘re-releases’ the current exception and allows it to bubble upwards as if it had never been recovered in the first place.

When this checkbox is not ticked, the exception stage generates a new exception, and importantly, keeps the current exception alive. This means that by misusing the ‘preserve’ checkbox can lead to problems.

119) What is the current exception in blue prism?

The current exception is released when the ‘Preserve…’ checkbox is ticked. A new exception is generated when the ‘Preserve…’ checkbox is not ticked.

120) Are Exceptions occurring during Recovery mode recovered?

Exceptions occurring during Recovery Mode cannot themselves be recovered.

Blue Prism Interview Questions And Answers

121) What are Mark Complete and Mark Exception actions?

As we have seen, results are applied to a queue item with the Mark Complete and Mark Exception actions. There are also a number of other ways to update an item before a result is applied.

A common use of these actions is change the item’s tags to match the result. The left hand side of the following diagram illustrates the ‘complete’ path; the right hand side is the ‘exception’ path.

Blue Prism Interview Questions And Answers

122) What is the use of Tags?

Tags are a useful way to facilitate MI reporting by labelling items by exception type.

123) What is standard Blue Prism Performance Report?
The standard Blue Prism Performance Report requires that all exception items are tagged as either ‘System Exception’ or ‘Business Exception’.

124) What is your approach in the event of a serious problem with an application?

In the event of a serious problem with an application, it may be better for a process to stop rather than carry on working. A better solution would be to count consecutive occurrences of an exception and bring the process to a stop when a sensible limit is reached.

125) What is Blue Prism work queue?

Blue Prism work queue can be set up to enable an exception item to be reworked. It does this by creating a clone of the item and injecting it into the queue at the same position as the original.

Blue Prism Developer Interview Questions

126) What is recovery mode?

It can be a good tactic to minimise the time spent in Recovery Mode by capturing the details of an exception in data items and then moving directly to the Resume stage.

Blue Prism Interview Questions And Answers

127) What is a Page what does it contain?

A page can have multiple Blocks, as long as they do not overlap.

128) What is System Unavailable Exception?

A System Unavailable Exception may be thrown by an action or a sub-page if you are unable to launch your application. If such an exception occurs it is not related to an issue with a Work Queue item that might be currently being worked, you may, therefore,
want to simply unlock the item (i.e. by referring it) rather than marking it as an exception.

129) What is Mark Exception?

The Mark Exception action has flag inputs called Retry and Keep Locked for controlling this feature. If a new item is created, its ID will be returned in the New Item ID output parameter, and if Keep Locked was set to True, the process will have control of the new item.

130) What will be attached to an application, when it is launched?

Launching an application attaches the business object automatically.

Blue Prism Interview Questions And Answers

131) Can you explain why exception occur while launching application?

Once a business object has launched an application, any attempt to launch again will cause an exception. Once a business object has become attached to an application, any attempt to attach again will cause an exception.

132) How do you check if the object is attached to the application?

To check if the object is attached, use the root (top) element in the application model and select the 'Is Connected' read operation.

133) What is the purpose of a Business Object in blue prism?

The purpose of a Business Object is to provide an interface to one application. A Business Object is not exposed to Control Room and is never used on its own – it is always used by a Process.
134) What are input and output parameters?

Data are transferred between a Process and a Business Object via input and output parameters.

135) How can you exit from spy more in blue prism?

To exit spy mode, it’s CTRL+right-click.

136) What is the use Data Items?

Use Data Items to store timeout values. You should use Data Items to store timeout values so that you can modify multiple Wait stages with one easy change to a Data Item.

Business Objects should data items to store timeout periods makes it easy to re-configure how long an application should wait for different types of system activity.

Blue Prism Interview Questions And Answers

137) What is a wait stage?

A wait stage without any wait condition can be used to create pause, and a Data Item can be used to control the length of the timeout. Be generous with timeouts – overestimate rather than underestimate.

Using this arrangement it is possible to create a “throttle” by placing Wait stages controlled by a global Data Item at key positions in a Business Object. Typically this could simply be done by starting every page with a “throttled” Wait stage.

The “Throttle” global Data Item can be used to manipulate the pace of a Business Object are not adversely affected by being closed in this way, it is important to remember that some are and that a gentler, less severe Close method is required.

138) What is write stage?
As the name suggests, the Write stage is used to put values into elements and the properties form is laid out with a list of Data Items on the left and the elements on the right. The middle section is where we indicate which values want we want to go into which elements.

139) What is Attach?

Attach needs an input value to help it identify the application. Like “Window Title” or “Process Name”

140) What are Inputs to a page in Object Studio?

Inputs to a page in Object Studio provide the means for a Process to supply data to the Business Object.

Blue Prism Interview Questions And Answers

141) What is the use of Recover stage?

The Recover stage attracts, or catches the exception, giving the designer (i.e., you) the opportunity to create some sort of recovery sequence. When an exception is caught, the Business Object (or Process) is said to be in Recovery Mode, meaning the exception is “live”.

Passing through the Resume stage diffuses the exception and enables the diagram to come out of Recovery Mode and continue a normal flow. Importantly, the Resume stage does not fix anything – that is the responsibility of the designer. The Exception Detail value is an expression and does need quotes.

Blue Prism Objects Interview Questions

142) What are ExceptionDetail() and ExceptionType()?

Exception functions like ExceptionDetail() and ExceptionType() cannot be used anywhere other than in between a Recover and a Resume, i.e., in Recovery Mode.
Blue Prism Interview Questions And Answers

143) What is the “Preserve” checkbox and when to use it?

When using the Exception stage, it is important to understand the “Preserve” checkbox and when to use it. When the checkbox is checked, you will have noticed the Exception Type and Exception Details fields are disabled.

Checking the checkbox indicates that the current exception is to be re-released or thrown again and no new details are necessary. For this reason, the “Preserve” checkbox must only be used in Recovery Mode, i.e., somewhere between a Recover stage and a Resume stage.

Using the checkbox outside Recovery mode will in itself generate an exception. The following diagram illustrates correct use of the “Preserve” checkbox. The right-hand exception is thrown in Recovery Mode, so the checkbox is checked.

The other exception is a new exception thrown outside Recovery Mode, so the checkbox is not (and must not be) checked and exception details are supplied. exception, make sure it is thrown after a Resume stage, thereby neutralizing the current exception before the new one is created.

144) What is One Recover stage?

One Recover stage will handle all exceptions on a page.

145) What are blocks?

Blocks are a way of using multiple Recover stages on the same page.

Blue Prism Interview Questions And Answers

146) What is code stage?

The code stage allows Microsoft.Net code scripts to be embedded in a Business Object (but not a Process). A code stage can have inputs and outputs and can be written in VB, C# or J#.
147) By default what pages are there in Business objects?

Business objects have two default pages named Initialize and Cleanup, and these pages cannot be removed or published. They are intended to provide the opportunity to execute logic at the start and end of the life cycle of a Business Object.

148) What are wildcards in blue prism?

Wildcards allow you to perform a fuzzy match on text. Microsoft Word* will match “Microsoft Word – Document1” and any other similar name. Numeric Comparisons – you might be looking for a dialog window which is 300 pixels or fewer in width. Non-Equality – you might want to match a dialog window which does not have the window title “Error”. Dynamic Matches – a match based on a value which might change all the time.

Blue Prism Interview Questions And Answers

149) What is the use of dynamic match type?

The Dynamic match type allows us to specify the value of an attribute from the diagram rather than use the one in Application Modeler. A dynamic attribute can be thought of as a mandatory input parameter required by any stage using the element.

To continue the example of customer details making up part of a window title, the expression might look like the following: “Customer System ” & [Account Number] & ” ” & [Account Holder]

150) What are Blue Prism spy mode options?

Blue Prism has multiple spy mode options. After pressing the Identify Element button, use the ALT key cycles through them.

RPA Blue Prism Interview Questions For Experienced

151) What is Application Modeler in blue prism?
As an alternative, Application Modeler can be switched to another Microsoft API named Active Accessibility (or AA for short). This API is designed to facilitate applications for people with impaired vision or hearing, such as screen readers, and Application Modeler can also use it for spying.

152) What is Application Manager?

Application Manager can run in a variety of different modes, which affect how Blue Prism integrates with the application that is being modeled. For our training exercises, we left the default value.

Blue Prism is running as a 32-bit process, but the application being modeled is a 64-bit process, then “External, 64-bit mode” should be selected. Some unreliable applications may impact Blue Prism if they crash. If this is the case, an external mode should be selected so that the unreliable process does not have a detrimental impact on the Blue Prism process.

An External mode is also recommended when modeling Java applications: this is due to limitations of the Java Access Bridge interface.

Blue Prism Interview Questions And Answers

153) What is the use of Global Mouse Click and Global Send Keys?

Global Mouse Click and Global Send Keys are examples of operations that need an active application. If the application is not at the front, these operations will click or type onto whatever window is active, even if it is a different application or just the empty desktop.

Blue Prism Interview Questions And Answers

154) How do you secure repository?

Credentials are a secure repository for details used to log in to target applications. They are encrypted in the Blue Prism database to make them only accessible to those who should be able to use them.
The Credentials Management system determines which Processes, Resources, and Roles have permission to access the information, and a special Internal – Credentials Business Object provides actions for using credentials.

155) What is the use of wait stage in blue prism?

A Wait stage will take the path of the first True condition or, if the timeout elapses, the action can proceed to carry out further actions or as noted previously to throw an Exception as something has not happened as expected.

A Wait stage can exist without any condition and the timeout can be used as a pause.

You can use the mouse as normal when spying an application; holding the CTRL key prevents the mouse click from actually pressing the button.

Blue Prism Interview Questions And Answers

156) What is the Active Accessibility interface in Blue Prism?

The Active Accessibility interface can be much slower than the default Win32 interface. The Match Index and Match Reverse (explained in a later section) can be used to provide a significant performance improvement.

When using Active Accessibility, multiple matches can be found even though the element seems to be unique. This is because elements may exist even when they are not displayed. Checking the Invisible attribute (which will be set to False) ensures that only elements currently on the screen will be matched.

157) What are Sub-Pages in process?

Sub-Pages of your process should, if possible, have a single task or function such as retrieving information from one system, or updating another system. Any sub-page that interfaces with a system should have retry logic.

When using components, sub-processes and objects care must be taken not to compound any retry loops by inadvertently nesting them together.

158) How many end points should a page contain?
A page can have multiple end points but only one starting point.

159) How can you include data item in an expression?

Square brackets must be used to include a Data Item in an expression, e.g., [Account ID].

160) How can you include collection field in an expression?

To include a Collection field in an expression, we use what is known as dot notation. All this means is that both the Collection name and the field name must be included in the expression, and to do this you simply together using a full stop, for example [My Orders.Quantity].

**Blue Prism Interview Questions And Answers**

161) What are global data items?

Data Items that are visible to all Pages are known as global Data Items. Data Items visible only to their own page are known as local Data Items.

162) What are Start-up parameters?

Inputs can also be applied to the Process itself, enabling a Process to accept external values when it starts to run. Process inputs are known as Start-up parameters.

Only “published” Processes are visible in Control Room.

**Blue Prism Interview Questions And Answers**

163) What are Resources and Sessions in Blue Prism?

Machines installed with Blue Prism are known as Resources, and an instance of a Process running on a Resource is known as a Session.

164) How many times a Session can run?
A Session can only run once; to run a Process again a new session must be created.

165) What happens when a Process runs?

Whenever a Process runs, it makes a record of each step it takes to create a Session Log. You can access this log from Control Room.

Blue Prism Interview Questions And Answers

166) What is exclusive process?

An exclusive Process must run on its own and cannot run at the same time as any other Processes. A foreground Process can only run alongside other background Processes, but only one foreground Process can run at a time. A background Process can run alongside other Processes, as long as they are background or foreground Processes.

A simple way to avoid doing this is to make sure a child capable of retries is not used on the retry path of the parent. A slightly more complex technique could be to use an input parameter to dictate to the child the number of retries it is allowed to perform.

Blue Prism Interview Questions – Processes

167) What is Application Modeller?

With Application Modeller – Adheres to local naming convention. Typically this is {element type} -{element name} e.g. Create sections for each part of the screen. Makes support easier and mitigates the risk of incorrect elements being re-spied

168) What is Wait stage?

Wait stage at start of each action This will confirm the process is on the correct path and absorb system latency to increase the resilience of the process.

169) What is Always throw exception on timeout?
Always throw exception on timeout. Do not try and recover the process following the wait stage. Throw the exception and let the process handle it. The process may choose to try again a few times or restart the system or ultimately raise an alert.

170) What is Always wait for the screen to change?

Always wait for the screen to change. Use wait stages after Navigate stages or any stage that causes the screen to update. This will absorb any latency but also ensure the process runs at its fastest. In this example there’s no point waiting 5 seconds if the system is available after 1.

**Blue Prism Interview Questions And Answers**

171) What is Navigate to New Proposal action?

Do not call published actions from within an object. Here the process should call the “Navigate to New Proposal” action and then call the “Submit New Proposal” action. This will makes exception handling far easier and actions more reusable.

Do not make business decisions in the object.

**Blue Prism Interview Questions And Answers**

172) What is ActionsThis?

Provide descriptions to Inputs, Outputs and ActionsThis removes ambiguity and also provides content for auto-generated Business Object Definition (BOD) document

Group data items in relevant blocks.

Always set an objects exposure.

Use standard Blue Prism templates or templates provided by the local design authority.

173) What is Main page and what it does contain?

Main page should contain high level process steps.
174) What are retry system exceptions?

If the work queue permits retry system exceptions. Do not retry business exceptions.

175) How do you create your own loops?

When creating your own loops always create a counter and throw an exception if an excessive limit is reached. This will prevent the flow ever entering an infinite loop.

Avoid use of drive letters when referencing folders.

Blue Prism Real Time Interview Questions & Best Practices

176) What is Casting?

‘Casting’ is a means of using one data type to set a different data type.

177) How can you export and import a process or business objects in Blue Prism?

A Process or Business Object can be exported as an XML file, and similarly an exported file can be imported into Blue Prism.

Blue Prism Interview Questions And Answers

178) What is Release Manager in Blue Prism?

Blue Prism provides the Release Manager which allows users to create checklists known as Packages. At various stages during the development cycle, a Release can be exported using the checklist provided in the Package. the file extension will be .bprelease

179) What are Collections?
Collections are the only kind of Data Item that can behave in this way. All other Data Items must be predefined with a data type.

You must import a Business Object that allows the process to use a “Sleep” action. BPA Object – Utility – General

180) How can you run more than one instance of a process?

Suppose you had a Process that needed to access a shared file but you also need to run more than one instance of that Process. Potentially the Processes could clash if they tried to open the file at the same time.

One solution would be to remove the file accessing sequence from the Process and put it into a separate Process that will only ever run on one machine. Another way would to use Blue Prism’s Environment Locking feature to control access to the file.

An Environment Lock is basically a key or token that a Process must obtain as “permission” to take a particular path. When there is only one lock and more than one instance of a Process is running, the instances must “compete” for the lock.

Blue Prism Interview Questions And Answers

181) What is a Resource PC?

Resource PC is Blue Prism launched in a different mode. Any machine with Blue Prism installed can run Resource PC.

182) What is the use of Mainframe applications?

Mainframe applications are spied by identifying rectangular areas of the screen. Application Modeler does this by superimposing a grid onto the application to make the rows and columns of the screen visible.

183) How can system release locks?

The system will automatically release any locks that your Process neglects to release in the proper fashion, whenever the Process stops running. This includes Processes running in both Process Studio and Control Room.
Blue Prism Interview Questions And Answers

184) When an unexpected crash or power cut interrupts a Process, what will you do?

When an unexpected crash or power cut interrupts a Process, you will not be able to rely on the software to automatically release the lock. In such cases you will need to manually intervene in System Manager to release the lock.

185) What is the use of command line features in Blue Prism?

The command line feature enables Blue Prism to be run from the command prompt or a batch file. Full details are provided in the help section, but an example of command usage is as follows: AutomateC /run “My Process” /user admin mypassword

186) What is Java – The Ancestor Count attribute in Blue Prism?

Java – The Ancestor Count attribute is a very useful attribute for limiting the search that Blue Prism has to perform in order to identify your element. The Match Index and Match Reverse attributes (described below) may also be used to improve the performance of a Java interface.

Blue Prism Tool Interview Questions – Miscellaneous

187) What is Match Index?

When Match Index is set, Blue Prism will stop searching once an element has been found, instead of continuing to search for potential duplicates.

Using this attribute may significantly increase the search speed (especially when using the Java and Accessibility interfaces) but should only be used in circumstances where duplicate elements are either unlikely or can be ignored.

When using Match Index, Match Reverse will make Blue Prism search in a bottom-up order rather than the default top-down order. Again, this may improve the search speed but only experimentation will tell.

Know the Shapes of all Stages.
Know which Stages are only available to Object Studio.

**Blue Prism Interview Questions And Answers**

188) How can you run Process in Control Room?

When a process is running in Control Room you can stop the process by selecting the process session and clicking Stop Selection. This will stop the process immediately. The case currently being worked will not be completed and Blue Prism will mark it as an Exception at Clean Up.

If you right click a running process session you will see the following stop options; Immediate Stop and Request Stop. Immediate Stop is the equivalent of Stop Selection. Request Stop will ask the process to stop where there is a configured safe stop with the process.

189) How can you configure safe stop?

You can configure a safe stop within your process by using the inbuilt Environment function IsStopRequested() within a Decision stage.

190) What is Log Viewer?

The Log Viewer is used to inspect the log of a session, either as it is running or after it has finished. This is especially handy for reviewing the workings of a progress and tracking down problems. The Log Viewer has a search function enabling you to look through the (often numerous) rows of a log and the visibility of columns can be configured to suit.

**Blue Prism Interview Questions – Control Room**

191) Explain new Environment Variable named “Stopping Time” with data type “Time” and a value of “three or four minutes from now”?

new Environment Variable named “Stopping Time” with data type “Time” and a value of “three or four minutes from now”. Create a new Process named “Stopping Test” to use
the variable. Create a Data Item named “Stopping Time”, and use the Exposure field to link this to the Environment Variable.

192) What are Environment Variables?

Environment Variables are available to all Processes and Business Objects. Data Items exposed as Environment Variables are read-only. The name and type of the Data Item must match the Environment Variable.

193) What are Session Variables?

Like Environment Variables, Session Variables are exposed outside the diagram, and as the name suggests, are applicable to sessions, i.e., running Processes.

Session Variables are specific to that instance of the Process. If two instances of the same process are running at the same time, they will both have the same Session Variables but the Session Variables will have different values.

Session Variables need no setup in System Manager. Data Items exposed as Session Variables are writable. Session Variables can be viewed and modified from Control Room.

Blue Prism Interview Questions And Answers

194) What is Blue Prism’s Delivery Roadmap?

Blue Prism’s Delivery Roadmap which contains the following stages:

An IPA is a tool used to shape the information available at the early stage of a project into a brief document highlighting the significant points.

195) What is the main purpose of a Process Definition Document (PDD)?

The main purpose of a Process Definition Document (PDD) is to describe the manual process that is to be automated.
Once a process has been defined, the quality of the PDD can be evaluated by using it as a step-by-step instruction manual. A perfect PDD would enable a novice with no prior knowledge of a business process to work cases correctly.

196) What is the Functional Requirements Questionnaire (FRQ)?

The Functional Requirements Questionnaire (FRQ) provides a quick checklist of the required details and areas for consideration.

197) What is the purpose of the Solution Design Document (SDD)?

The purpose of the Solution Design Document (SDD) is to describe how Blue Prism will automate the process described in the PDD.

198) What is the Operational Impact Document (OID)?

The Operational Impact Document (OID) is required to inform the client operation team of their responsibilities once the automated solution is in place. It is a description of the change that will be impacted upon them once the solution has been successfully implemented.

In the same way that the PDD should be played out, a workshop to walk through of the SDD and OID should be carried out to check the proposed automated solution and its effect on the wider business.

199) What is a Process Design Instruction (PDI)?

A Process Design Instruction (PDI) is intended to be a blueprint from which a process can be developed. The low-level information excluded from the SDD for the sake of clarity should be included in the PDI.

Like a PDI, the Object Design Instruction (ODI) is created as a blueprint from which business objects can be developed.

Blue Prism Interview Questions And Answers

200) Blue Prism Lifecycle

- Phase 1
• The tester/developer work together to prove that the solution conforms to the captured PDD
• **Phase 2**
  • A repeat of Phase 1, but here the tests will be carried out with live data testing is mostly in Process Studio
• **Phase 3**
  • The process solution is deployed into the test environment for final acceptance testing
  • Important to test that the solution can handle an increase in volume Exposes any remaining defects, performance or environmental issues
  • These processes run only in Blue Prism control room
  • Once acceptance criteria has been met a full test report is published to the client for sign off before the process can be deployed into production