

# IBM

## Exam C2180-529

### IBM WebSphere ILOG JRules V7.0, Application Development

Version: 6.0

[ Total Questions: 52 ]

**Question No : 1**

The Business Analyst has discovered a large number of business rules. The object model and vocabulary is the same for all those rules. The Rule Developer wants to organize the structure of the rules to work on them independently and make them more manageable. Which approach should be used to accomplish this?

- A.** Write the rules in several RuleProjects. Create a Rule Project containing the BOM and reference it from the others.
- B.** Write all the rules in a unique Rule Project. All the rules of a business rule application must be in a single Rule Project containing a single BOM.
- C.** Organize the rules into several Rule Projects in the same workspace. All Rule Projects created in the same Eclipse workspace share the BOM by default.
- D.** Organize the rules into several Rule Projects and replicate the BOM in each Rule Project. Any Rule Project has to have its own BOM because it is mandatory in the tool.

**Answer: A**

**Question No : 2**

A ruleset is owned by two different teams: product management and marketing. The Rule Developer must use an industry standard defining a XML schema as the data model with at least 300 classes. Each team should have access to only their authorized elements of the ruleset and only the part of the vocabulary needed to write their rules. To avoid an overcomplicated BOM, the Rule Developer wants to use JRules capabilities to expose only the necessary elements to the Rule Writer. Which approach uses these capabilities?

- A.**
  1. Design the BOM on top of the XSD.
  2. Use the virtual element and the B2X layer to simplify the vocabulary.
  3. Add categories to the rule project.
  4. Assign category to each BOM element.
  5. Use filter on category at each rule to expose only the necessary vocabulary.
- B.**
  1. Design the BOM on top of the XSD.
  2. Develop two BOM entries one for each team.
  3. Use the virtual element and the B2X layer to simplify the vocabulary.
  4. Add a category to the BOM to expose only the necessary vocabulary.
- C.**
  1. Change the XSD to have only the complex type for the marketing and the product management.
  2. Design the BOM on top of these new XSDs, one entry per XSD.
  3. Write rules using the available vocabulary.
- D.**
  1. Design a Java model wrapper around the XSD to access only elements relevant for the rules.

2. Build the BOM on top of this Java model.
3. Write rules using the available vocabulary.

**Answer: A**

**Question No : 3**

The business users define three types of insurance policy: home, life, and car policy. The XML schema defines a unique policy with a Type attribute. The Rule Developer needs to develop an efficient vocabulary to let business users write the rules. Which action should the Rule Developer perform to make an efficient BOM design, identifying the three policies as distinct terms?

- A.** Define a rule set variable for each type of policy and initialize them at the beginning of the rule flow.
- B.** Add a BOM class for each policy type in the BOM entry and use the BOM to XOM tester to compare the type of policy.
- C.** Change the XML schema to define one complex type for each type of policy, then update the BOM entry using this schema.
- D.** Extend the XML complex type with Java classes for each type of policy, then define BOM entries using both the schema and the Java model.

**Answer: B**

**Question No : 4**

The claim processing application is using web service to support the coverage verification decision point. The BPM product sends XML document to this service. The implementation of this service is using the Rules XML binding. The Rule Developer is using the XML binding capability to build a BOM from the given schema. The complex type defining the claim includes an element called dateOfService of type xsd:dateTime. Once the BOM was created using the dynamic binding approach how will this attribute be mapped in the BOM class?

- A.** `public java.util.Date dateOfService;`
- B.** `public ilog.rules.xml.types.IlrCalendarDate;`
- C.** `public javax.xml.datatype.XMLGregorianCalendar;`
- D.** `public ilog.rules.xml.types.IlrDateTime dateOfService;`

**Answer: D**

**Question No : 5**

In a Wireless Telecom provider the Service Level Agreement (SLA) policy defines the following business policy: "A customer service request must be brought to the attention of a supervisor if the request is not resolved within 4 hours". Where should the policy be implemented?

- A. In a BRMS
- B. In a process flow
- C. In the Data Model
- D. In a SQL procedure
- E. In the application code
- F. In a Graphical User Interface

**Answer: B**

**Question No : 6**

The development team decided to merge two rulesets:

the validation and the eligibility rulesets because those were always executed in sequence in the decision points.

A new rule project, loan-rules, was created and references both the validation and eligibility rules respectively contained in the validation-rules and eligibility-rules rule projects.

The new "merged" ruleset will be extracted from this rule project. validation-rules and eligibility-rules both have a ruleflow with a main flow task property set to true.

A main ruleflow called ilrmain is created in loan-rules and use Subflow Tasks to references the ruleflows of validation-rules and eligibility-rules.

What is missing, if anything, in order to orchestrate the execution of loan-rules?

- A. Nothing is missing because a ruleflow called ilrmain is always executed first.
- B. The main ruleflow name, ilrmain, needs to be specified in the code that invokes the ruleset execution.
- C. The main flowtask property needs to be set to true for ilrmain and to false for all the other ruleflows.
- D. All the ruleflows that are used in the ruleset need to be referenced in the ruleset

properties and it is possible to specify the main ruleflow for the execution in these properties.

**Answer: C**

**Question No : 7**

A new business service is being designed using business rules deployed in a rule engine and the Rule Developer needs to design the XOM and expose the ruleset as a web service. Which approach should the Rule Developer use?

- A. Use a predefined WSDL developed by the enterprise architect group.
- B. Develop a personal approach UML diagram and generate java classes as XOM.
- C. Import an existing enterprise model or an industry standard as XOM to write the rule on.
- D. D. Leverage the fact model built from the rule discovery and analysis activities to design a XOM relevant for the rules.

**Answer: D**

**Question No : 8**

During the testing phase the development team found that a rule is executed but should be filtered in a rule task depending on the value at execution time of one of the ruleset parameters. Which approach, if any, can be used in Rule Studio to fix the issue?

- A. Use a ruleset extractor to filter the rule.
- B. Use runtime rule selection in the rule task to filter the rule.
- C. No approach is possible because if the rule task is executed then the rule is always executed.
- D. Modify the initial action of the rule task and specify the ruleset extractor to use for this rule task.

**Answer: B**

**Question No : 9**

The BOM contains two classes: - A class Person with an id integer attribute. - A class Car with an ownerId integer attribute. The value of the ownerId attribute of a car is the value of