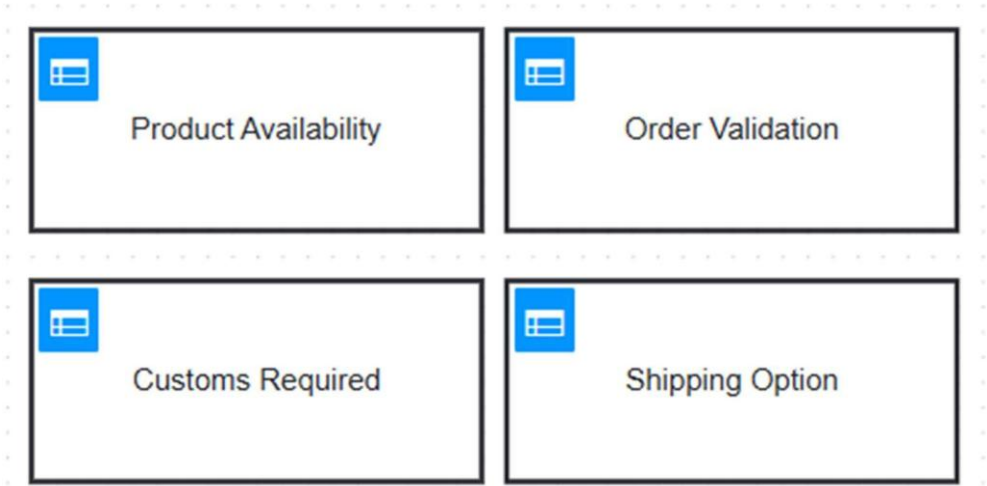


ChatGPT-5

DRD



Decision Tables

Product Availability				
		Hit policy: First		
	When	And	Then	Annotations
	requestedQuantity number	stockQuantity number	Available boolean	
1	<= stockQuantity	-	true	
2	> stockQuantity	-	false	
+	-	-		

Order Validation				
		Hit policy: First		
	When	And	Then	Annotations
	Available boolean	PaymentStatus string	ValidOrder boolean	
1	true	"valid"	true	
2	-	-	false	
+	-	-		

Customs Required Hit policy: First			
	When	Then	Annotations
	Destination string	Customs boolean	
1	"international"	true	
2	"domestic"	false	
+	-		

Shipping Option Hit policy: First					
	When	And	And	Then	Annotations
	ValidOrder boolean	Customs boolean	DeliverySpeed string	ShippingOption string	
1	true	-	"standard"	"Standard Shipment"	
2	true	-	"express"	"Express Shipment"	
3	false	-	-	" "	
+	-	-	-		

XML

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<definitions xmlns="https://www.omg.org/spec/DMN/20191111/MODEL/"
  xmlns:dmndi="https://www.omg.org/spec/DMN/20191111/DMNDI/"
  xmlns:dc="http://www.omg.org/spec/DMN/20180521/DC/"
  xmlns:di="http://www.omg.org/spec/DMN/20180521/DI/"
  id="definitions_OrderFulfillment" name="Order Fulfillment Decisions"
  namespace="http://example.com/dmn/OrderFulfillment">
```

```
<!-- 1. Product Availability -->
```

```
<decision id="ProductAvailability" name="Product Availability">
```

```
<decisionTable id="decisionTable_ProductAvailability" hitPolicy="FIRST">
```

```
<input id="input_requestedQuantity">
```

```
<inputExpression id="inputExpression_requestedQuantity"
typeRef="number">requestedQuantity</inputExpression>
```

```
</input>
```

```
<input id="input_stockQuantity">
```

```
<inputExpression id="inputExpression_stockQuantity" typeRef="number">stockQuantity</inputExpression>
```

```
</input>
```

```
<output id="output_available" name="Available" typeRef="boolean" />
```

```
<rule>
```

```
<inputEntry id="inputEntry_1_1"><text>&lt;=
stockQuantity</text></inputEntry>
```

```

        <inputEntry id="inputEntry_1_2"><text></text></inputEntry>
        <outputEntry id="outputEntry_1_1"><text>true</text></outputEntry>
    </rule>
    <rule>
        <inputEntry id="inputEntry_2_1"><text>&gt; stockQuantity</text></inputEntry>
        <inputEntry id="inputEntry_2_2"><text></text></inputEntry>
        <outputEntry id="outputEntry_2_1"><text>>false</text></outputEntry>    </rule>
    </decisionTable>
</decision>

```

<!-- 2. Order Validation -->

```

<decision id="OrderValidation" name="Order Validation">
    <informationRequirement>
        <requiredDecision href="#ProductAvailability" />
    </informationRequirement>
    <decisionTable id="decisionTable_OrderValidation" hitPolicy="FIRST">
        <input id="input_available">
            <inputExpression id="inputExpression_available" typeRef="boolean">Available</inputExpression>
        </input>
        <input id="input_paymentStatus">
            <inputExpression id="inputExpression_paymentStatus" typeRef="string">PaymentStatus</inputExpression>
        </input>
        <output id="output_validOrder" name="ValidOrder" typeRef="boolean" />
        <rule>
            <inputEntry id="ov_1_1"><text>true</text></inputEntry>
            <inputEntry id="ov_1_2"><text>"valid"</text></inputEntry>
            <outputEntry id="ov_out_1"><text>true</text></outputEntry>
        </rule>
        <rule>
            <inputEntry id="ov_2_1"><text>-</text></inputEntry>
            <inputEntry id="ov_2_2"><text>-</text></inputEntry>
            <outputEntry id="ov_out_2"><text>>false</text></outputEntry>
        </rule>
    </decisionTable>
</decision>

```

<!-- 3. Customs Required -->

```

<decision id="CustomsRequired" name="Customs Required">
    <decisionTable id="decisionTable_CustomsRequired" hitPolicy="FIRST">

```

```

<input id="input_destination">
  <inputExpression id="inputExpression_destination" typeRef="string">Destination</inputExpression>
</input>
<output id="output_customs" name="Customs" typeRef="boolean" />    <rule>
  <inputEntry id="cr_1"><text>"international"</text></inputEntry>
  <outputEntry id="cr_out_1"><text>true</text></outputEntry>
</rule>
<rule>
  <inputEntry id="cr_2"><text>"domestic"</text></inputEntry>
  <outputEntry id="cr_out_2"><text>>false</text></outputEntry>
</rule>
</decisionTable>
</decision>

<!-- 4. Shipping Option -->
<decision id="ShippingOption" name="Shipping Option">
  <informationRequirement>
    <requiredDecision href="#OrderValidation" />
  </informationRequirement>
  <informationRequirement>
    <requiredDecision href="#CustomsRequired" />
  </informationRequirement>
  <decisionTable id="decisionTable_ShippingOption" hitPolicy="FIRST">
    <input id="input_validOrder">
      <inputExpression id="inputExpression_validOrder" typeRef="boolean">ValidOrder</inputExpression>
    </input>
    <input id="input_customs">
      <inputExpression id="inputExpression_customs" typeRef="boolean">Customs</inputExpression>
    </input>
    <input id="input_deliverySpeed">
      <inputExpression id="inputExpression_deliverySpeed" typeRef="string">DeliverySpeed</inputExpression>
    </input>
    <output id="output_shippingOption" name="ShippingOption" typeRef="string" />
    <rule>
      <inputEntry id="so_1_1"><text>true</text></inputEntry>
      <inputEntry id="so_1_2"><text>-</text></inputEntry>
      <inputEntry id="so_1_3"><text>"standard"</text></inputEntry>
      <outputEntry id="so_out_1"><text>"Standard Shipment"</text></outputEntry>
    </rule>
  </decisionTable>
</decision>

```

```
<rule>
  <inputEntry id="so_2_1"><text>true</text></inputEntry>
  <inputEntry id="so_2_2"><text>-</text></inputEntry>
  <inputEntry id="so_2_3"><text>"express"</text></inputEntry>
  <outputEntry id="so_out_2"><text>"Express Shipment"</text></outputEntry>
</rule>

<rule>
  <inputEntry id="so_3_1"><text>false</text></inputEntry>
  <inputEntry id="so_3_2"><text>-</text></inputEntry>
  <inputEntry id="so_3_3"><text>-</text></inputEntry>
  <outputEntry id="so_out_3"><text>""</text></outputEntry>
</rule>

</decisionTable>

</decision>

</definitions>
```