

```

<?xml version="1.0" encoding="us-ascii" ?>
- <Package xmlns="http://www.wfmc.org/2002/XPDL1.0"
  xmlns:xpdl="http://www.wfmc.org/2002/XPDL1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xyz="http://www.xyzeorder.com/workflow"
  xsi:schemaLocation="http://www.wfmc.org/2002/XPDL1.0
  http://wfmc.org/standards/docs/TC-1025_schema_10_xpdl.xsd" Id="0"
  Name="sample workflow process">
- <PackageHeader>
  <XPDLVersion>0.09</XPDLVersion>
  <Vendor>XYZ, Inc</Vendor>
  <Created>6/18/2002 5:27:17 PM</Created>
  </PackageHeader>
  <ConformanceClass GraphConformance="NON_BLOCKED" />
  <Script Type="text/javascript" />
- <TypeDeclarations>
- <TypeDeclaration Id="Order" Name="Order">
  <ExternalReference
    location="http://wfmc.org/standards/docs/xpdl_sample/orderschema.xsd" />
  </TypeDeclaration>
- <TypeDeclaration Id="CreditInfo" Name="CreditInfo">
  <ExternalReference
    location="http://wfmc.org/standards/docs/xpdl_sample/creditService.wsdl"
    xref="CreditInfo" />
  </TypeDeclaration>
- <TypeDeclaration Id="CardType" Name="CardType">
  <ExternalReference
    location="http://wfmc.org/standards/docs/xpdl_sample/orderschema.xsd"
    xref="cardType" namespace="orderschema/Order" />
  </TypeDeclaration>
- <TypeDeclaration Id="OrderStatus" Name="OrderStatus">
- <SchemaType>
- <xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified" attributeFormDefault="unqualified">
- <xsd:element name="Status">
- <xsd:simpleType>
- <xsd:restriction base="xsd:NMTOKEN">
  <xsd:enumeration value="ValidData" />
  <xsd:enumeration value="InvalidData" />
  <xsd:enumeration value="Accept" />
  <xsd:enumeration value="BadCredit" />
  <xsd:enumeration value="OverLimit" />
  <xsd:enumeration value="BadDataFormat" />
  </xsd:restriction>
</xsd:simpleType>
</xsd:element>
</xsd:schema>
</SchemaType>
</TypeDeclaration>
</TypeDeclarations>

```

```

- <Participants>
- <Participant Id="DBConnection">
  <ParticipantType Type="SYSTEM" />
  <Description>Reference to Database Resource</Description>
  </Participant>
</Participants>
<Applications />
<DataFields />
- <WorkflowProcesses>
- <WorkflowProcess Id="1" Name="EOrder" AccessLevel="PUBLIC">
  <ProcessHeader />
- <FormalParameters>
- <FormalParameter Id="orderString" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="STRING" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="returnMessage" Index="2" Mode="OUT">
- <DataType>
  <BasicType Type="STRING" />
  </DataType>
  </FormalParameter>
  </FormalParameters>
- <DataFields>
- <DataField Id="orderNumber" IsArray="FALSE">
- <DataType>
  <BasicType Type="INTEGER" />
  </DataType>
  <InitialValue>0</InitialValue>
  <Length>0</Length>
  </DataField>
- <DataField Id="status" IsArray="FALSE">
- <DataType>
  <DeclaredType Id="OrderStatus" />
  </DataType>
  </DataField>
- <DataField Id="orderInfo" IsArray="FALSE">
- <DataType>
  <DeclaredType Id="Order" />
  </DataType>
  </DataField>
  </DataFields>
</Participants />
- <Applications>
- <Application Id="transformData">
- <FormalParameters>
- <FormalParameter Id="orderStringIn" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="STRING" />

```

```

    </DataType>
    </FormalParameter>
- <FormalParameter Id="orderInfo" Index="2" Mode="OUT">
- <DataType>
  <DeclaredType Id="Order" />
  </DataType>
  </FormalParameter>
  </FormalParameters>
  </Application>
- <Application Id="checkData">
- <FormalParameters>
- <FormalParameter Id="orderInfo" Index="1" Mode="IN">
- <DataType>
  <DeclaredType Id="Order" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="statusOut" Index="2" Mode="OUT">
- <DataType>
  <DeclaredType Id="OrderStatus" />
  </DataType>
  </FormalParameter>
  </FormalParameters>
  </Application>
- <Application Id="checkVendor">
- <FormalParameters>
- <FormalParameter Id="accountNumberIn" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="INTEGER" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="amountIn" Index="2" Mode="IN">
- <DataType>
  <BasicType Type="FLOAT" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="statusOut" Index="3" Mode="OUT">
- <DataType>
  <DeclaredType Id="OrderStatus" />
  </DataType>
  </FormalParameter>
  </FormalParameters>
  </Application>
- <Application Id="enterOrder">
- <FormalParameters>
- <FormalParameter Id="orderInfoIn" Index="1" Mode="IN">
- <DataType>
  <DeclaredType Id="Order" />
  </DataType>
  </FormalParameter>

```

```

- <FormalParameter Id="orderNumber" Index="2" Mode="OUT">
- <DataType>
  <BasicType Type="INTEGER" />
  </DataType>
  </FormalParameter>
  </FormalParameters>
  </Application>
- <Application Id="composeMessage">
- <FormalParameters>
- <FormalParameter Id="statusIn" Index="1" Mode="IN">
- <DataType>
  <DeclaredType Id="OrderStatus" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="orderNumber" Index="2" Mode="IN">
- <DataType>
  <BasicType Type="INTEGER" />
  </DataType>
  </FormalParameter>
  </FormalParameters>
  </Application>
  </Applications>
- <Activities>
- <Activity Id="1" Name="Check Data">
- <Implementation>
- <Tool Id="checkData" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>orderInfo</ActualParameter>
  <ActualParameter>status</ActualParameter>
  </ActualParameters>
  </Tool>
  </Implementation>
- <TransitionRestrictions>
- <TransitionRestriction>
- <Split Type="XOR">
- <TransitionRefs>
  <TransitionRef Id="22" />
  <TransitionRef Id="23" />
  </TransitionRefs>
  </Split>
  </TransitionRestriction>
  </TransitionRestrictions>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="183" ypos="389" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="5">

```

```

<Route />
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="35" ypos="389" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="6">
  <Route />
  - <TransitionRestrictions>
  - <TransitionRestriction>
    <Join Type="XOR" />
    </TransitionRestriction>
  </TransitionRestrictions>
  - <ExtendedAttributes>
  - <ExtendedAttribute Name="Coordinates">
    <xyz:Coordinates xpos="755" ypos="315" />
    </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="8" Name="Email Confirmation">
- <Implementation>
  <No />
  </Implementation>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="657" ypos="312" />
  </ExtendedAttribute>
  <ExtendedAttribute Name="SystemActivity" Value="Email" />
- <ExtendedAttribute Name="Email">
- <xyz:Email to="%%orderInfo.emailAddress" subject="Order %%orderNumber">
  <xyz:MessageText>Order number %%orderNumber is being processed. Thank-you for
    ordering from PQR Products, Inc</xyz:MessageText>
  </xyz:Email>
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="9">
  <Route />
  - <TransitionRestrictions>
  - <TransitionRestriction>
  - <Split Type="AND">
  - <TransitionRefs>
    <TransitionRef Id="1" />
    <TransitionRef Id="38" />
    <TransitionRef Id="2" />
  </TransitionRefs>
  </Split>
  </TransitionRestriction>

```

```

    </TransitionRestrictions>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="572" ypos="389" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="10" Name="Check Credit Subprocess">
- <Implementation>
- <SubFlow Id="3" Execution="SYNCHR">
  <ActualParameters />
  </SubFlow>
  </Implementation>
- <TransitionRestrictions>
- <TransitionRestriction>
- <Split Type="XOR">
- <TransitionRefs>
  <TransitionRef Id="26" />
  <TransitionRef Id="31" />
  </TransitionRefs>
  </Split>
  </TransitionRestriction>
  </TransitionRestrictions>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="381" ypos="535" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="11" Name="Fill Order Subprocess">
- <Implementation>
- <SubFlow Id="2" Execution="ASYNCHR">
- <ActualParameters>
  <ActualParameter>orderNumber</ActualParameter>
  <ActualParameter>orderInfo.orderType</ActualParameter>
  <ActualParameter>orderInfo.emailAddress</ActualParameter>
  </ActualParameters>
  </SubFlow>
  </Implementation>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="653" ypos="389" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="12" Name="Check Order Type">
  <Route />
- <TransitionRestrictions>
- <TransitionRestriction>

```

```

- <Split Type="XOR">
- <TransitionRefs>
  <TransitionRef Id="24" />
  <TransitionRef Id="25" />
</TransitionRefs>
</Split>
</TransitionRestriction>
</TransitionRestrictions>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="293" ypos="460" />
</ExtendedAttribute>
</ExtendedAttributes>
</Activity>
- <Activity Id="17" Name="Transform Data">
- <Implementation>
- <Tool Id="transformData" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>orderString</ActualParameter>
  <ActualParameter>orderInfo</ActualParameter>
</ActualParameters>
</Tool>
</Implementation>
- <TransitionRestrictions>
- <TransitionRestriction>
- <Split Type="XOR">
- <TransitionRefs>
  <TransitionRef Id="40" />
  <TransitionRef Id="21" />
</TransitionRefs>
</Split>
</TransitionRestriction>
</TransitionRestrictions>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="102" ypos="389" />
</ExtendedAttribute>
</ExtendedAttributes>
</Activity>
- <Activity Id="32" Name="Enter Order">
- <Implementation>
- <Tool Id="enterOrder" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>orderInfo</ActualParameter>
  <ActualParameter>orderNumber</ActualParameter>
</ActualParameters>
</Tool>
</Implementation>
<Performer>DBConnection</Performer>

```

```

- <TransitionRestrictions>
- <TransitionRestriction>
  <Join Type="XOR" />
  </TransitionRestriction>
</TransitionRestrictions>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="510" ypos="389" />
  </ExtendedAttribute>
</ExtendedAttributes>
</Activity>
- <Activity Id="33">
  <Route />
- <TransitionRestrictions>
- <TransitionRestriction>
  <Join Type="AND" />
  </TransitionRestriction>
</TransitionRestrictions>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="725" ypos="391" />
  </ExtendedAttribute>
</ExtendedAttributes>
</Activity>
- <Activity Id="39" Name="Compose RejectionMessage">
- <Implementation>
- <Tool Id="composeMessage" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>orderNumber</ActualParameter>
  <ActualParameter>-1</ActualParameter>
</ActualParameters>
</Tool>
</Implementation>
- <TransitionRestrictions>
- <TransitionRestriction>
  <Join Type="XOR" />
  </TransitionRestriction>
</TransitionRestrictions>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="655" ypos="245" />
  </ExtendedAttribute>
</ExtendedAttributes>
</Activity>
- <Activity Id="41" Name="Check Vendor Account">
- <Implementation>
- <Tool Id="checkVendor" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>orderInfo.AccountNumber</ActualParameter>

```

```

<ActualParameter>orderInfo.TotalAmount</ActualParameter>
<ActualParameter>status</ActualParameter>
  </ActualParameters>
</Tool>
</Implementation>
<Performer>DBConnection</Performer>
- <TransitionRestrictions>
- <TransitionRestriction>
- <Split Type="XOR">
- <TransitionRefs>
  <TransitionRef Id="27" />
  <TransitionRef Id="30" />
  </TransitionRefs>
</Split>
</TransitionRestriction>
</TransitionRestrictions>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="381" ypos="316" />
  </ExtendedAttribute>
</ExtendedAttributes>
</Activity>
- <Activity Id="56" Name="Compose Acceptance Message">
- <Implementation>
- <Tool Id="composeMessage" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>status</ActualParameter>
  <ActualParameter>orderNumber</ActualParameter>
  </ActualParameters>
</Tool>
</Implementation>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="653" ypos="462" />
  </ExtendedAttribute>
</ExtendedAttributes>
</Activity>
- <Activity Id="58" Name="Raise Alarm">
- <Implementation>
  <No />
  </Implementation>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="100" ypos="250" />
  </ExtendedAttribute>
  <ExtendedAttribute Name="SystemActivity" Value="Alarm" />
  </ExtendedAttributes>
</Activity>
</Activities>

```

```

- <Transitions>
  <Transition Id="1" From="9" To="8" />
  <Transition Id="2" From="9" To="11" />
  <Transition Id="16" From="11" To="33" />
- <Transition Id="17" From="8" To="33">
  <Condition Type="OTHERWISE" />
  </Transition>
  <Transition Id="18" From="33" To="6" />
  <Transition Id="20" From="5" To="17" />
  <Transition Id="21" From="17" To="1" />
- <Transition Id="22" From="1" To="12">
  <Condition>status == "Valid Data"</Condition>
  </Transition>
- <Transition Id="23" From="1" To="39">
  <Condition>status == "Invalid Data"</Condition>
  </Transition>
- <Transition Id="24" From="12" To="10">
  <Condition>orderType == "Credit"</Condition>
  </Transition>
- <Transition Id="25" From="12" To="41">
  <Condition>orderType == "PO"</Condition>
  </Transition>
- <Transition Id="26" From="10" To="32">
  <Condition>status == "Accept"</Condition>
  </Transition>
- <Transition Id="27" From="41" To="32">
  <Condition>status == "Accept"</Condition>
  </Transition>
  <Transition Id="28" From="32" To="9" />
  <Transition Id="29" From="39" To="6" />
- <Transition Id="30" From="41" To="39">
  <Condition>status == "OverLimit"</Condition>
  </Transition>
- <Transition Id="31" From="10" To="39">
  <Condition>status == "BadCredit"</Condition>
  </Transition>
  <Transition Id="38" From="9" To="56" />
  <Transition Id="39" From="56" To="33" />
- <Transition Id="40" From="17" To="58">
  <Condition Type="EXCEPTION" />
  </Transition>
  <Transition Id="42" From="58" To="39" />
  </Transitions>
</WorkflowProcess>
- <WorkflowProcess Id="2" Name="FillOrder" AccessLevel="PRIVATE">
  <ProcessHeader />
- <FormalParameters>
- <FormalParameter Id="orderNumber" Index="1" Mode="IN">
- <DataType>

```

```

<BasicType Type="INTEGER" />
  </DataType>
<Description>Order number assigned to the order.</Description>
  </FormalParameter>
- <FormalParameter Id="orderType" Index="1" Mode="IN">
- <DataType>
  <ExternalReference
    location="http://wfmc.org/standards/docs/xpdl_sample/orderschema.xsd"
    xref="orderType" namespace="orderschema/Order" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="emailAddress" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="STRING" />
  </DataType>
  </FormalParameter>
  </FormalParameters>
- <DataFields>
- <DataField Id="docURI" IsArray="FALSE">
- <DataType>
  <BasicType Type="STRING" />
  </DataType>
  <Description>URI of receipt or invoice.</Description>
  </DataField>
- <DataField Id="orderStatus" IsArray="FALSE">
- <DataType>
  <BasicType Type="STRING" />
  </DataType>
  </DataField>
- <DataField Id="creditInfo" IsArray="FALSE">
- <DataType>
  <DeclaredType Id="CreditInfo" />
  </DataType>
  </DataField>
- <DataField Id="creditStatus" IsArray="FALSE">
- <DataType>
  <BasicType Type="STRING" />
  </DataType>
  </DataField>
  </DataFields>
- <Participants>
- <Participant Id="Shipper">
  <ParticipantType Type="ROLE" />
  <Description>Order shipper</Description>
  </Participant>
  </Participants>
- <Applications>
- <Application Id="shipOrder">

```

```

<Description>This application presents a screen that presents order information for the order identified by shipOrder. The user may update the order with any changes such as back order information. It returns a string indicating whether the order is complete or on back order.</Description>
- <FormalParameters>
- <FormalParameter Id="OrderNumberParam" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="INTEGER" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="Status" Index="2" Mode="OUT">
- <DataType>
  <BasicType Type="STRING" />
  </DataType>
  <Description>The String that describes the status -- either "Complete" or "Backorder"</Description>
  </FormalParameter>
  </FormalParameters>
  </Application>
- <Application Id="charge">
  <Description>Charges the credit card and prepares a receipt for a credit order</Description>
  <ExternalReference
    location="http://wfmc.org/standards/docs/xpdl_sample/creditService.wsdl"
    xref="ChargeCreditAccount" />
  </Application>
- <Application Id="billAccount">
  <Description>Bills the vendor account</Description>
- <FormalParameters>
- <FormalParameter Id="orderNumberParam" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="INTEGER" />
  </DataType>
  </FormalParameter>
  </FormalParameters>
  </Application>
- <Application Id="createInvoice">
  <Description>Creates an invoice using the order information and stores it on a server.</Description>
- <FormalParameters>
- <FormalParameter Id="orderNumber" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="INTEGER" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="docURI" Index="2" Mode="OUT">
- <DataType>
  <BasicType Type="STRING" />
  </DataType>
  </FormalParameter>

```

```

    </FormalParameters>
  </Application>
- <Application Id="createReceipt">
  <Description>Creates a receipt using the order information and stores it on a
    server.</Description>
- <FormalParameters>
- <FormalParameter Id="orderNumber" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="INTEGER" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="docURI" Index="2" Mode="OUT">
- <DataType>
  <BasicType Type="STRING" />
  </DataType>
  </FormalParameter>
  </FormalParameters>
  </Application>
- <Application Id="cancelOrder">
- <FormalParameters>
- <FormalParameter Id="orderNumberIn" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="INTEGER" />
  </DataType>
  </FormalParameter>
  </FormalParameters>
  </Application>
  </Applications>
- <Activities>
- <Activity Id="21">
  <Route />
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="62" ypos="389" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="22" Name="Billing">
- <Implementation>
- <Tool Id="billAccount" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>orderNumber</ActualParameter>
  </ActualParameters>
  </Tool>
  </Implementation>
  <Performer>DBConnection</Performer>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="347" ypos="435" />

```

```

    </ExtendedAttribute>
    </ExtendedAttributes>
  </Activity>
- <Activity Id="23" Name="Charge Credit Card">
- <Implementation>
  <No />
  </Implementation>
- <ExtendedAttributes>
  <ExtendedAttribute Name="SystemActivity" Value="WebService" />
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="386" ypos="338" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="30">
  <Route />
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="613" ypos="389" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="31" Name="email Receipt or Invoice">
- <Implementation>
  <No />
  </Implementation>
- <TransitionRestrictions>
- <TransitionRestriction>
  <Join Type="XOR" />
  </TransitionRestriction>
  </TransitionRestrictions>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="430" ypos="385" />
  </ExtendedAttribute>
  <ExtendedAttribute Name="SystemActivity" Value="Email" />
- <ExtendedAttribute Name="Email">
- <xyz:Email to="%%emailAddress" subject="%%orderStatus">
- <xyz:Attachments>
  <xyz:Attachment>%%docURI</xyz:Attachment>
  </xyz:Attachments>
  <xyz:MessageText>Order number %%orderNumber is %%orderStatus. Thank-you for
    ordering from PQR Products, Inc.</xyz:MessageText>
  </xyz:Email>
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="36" Name="Ship Order">
  <Description>View order and enter fulfillment info</Description>

```

```

- <Implementation>
- <Tool Id="shipOrder" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>orderNumber</ActualParameter>
  <ActualParameter>orderStatus</ActualParameter>
  </ActualParameters>
  </Tool>
  </Implementation>
  <Performer>DBConnection and Shipper</Performer>
- <Deadline Execution="ASYNCHR">
  <DeadlineCondition>3 days</DeadlineCondition>
  <ExceptionName>notifyException</ExceptionName>
  </Deadline>
- <Deadline Execution="SYNCHR">
  <DeadlineCondition>5 days</DeadlineCondition>
  <ExceptionName>timeoutException</ExceptionName>
  </Deadline>
- <TransitionRestrictions>
- <TransitionRestriction>
- <Split Type="XOR">
- <TransitionRefs>
  <TransitionRef Id="11" />
  <TransitionRef Id="10" />
  <TransitionRef Id="49" />
  <TransitionRef Id="50" />
  </TransitionRefs>
  </Split>
  </TransitionRestriction>
  </TransitionRestrictions>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="133" ypos="386" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="59" Name="Get Credit Info">
- <Implementation>
- <Tool Id="getCreditInfo" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>orderNumber</ActualParameter>
  <ActualParameter>creditInfo</ActualParameter>
  </ActualParameters>
  </Tool>
  </Implementation>
  <Performer>DBConnection</Performer>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="311" ypos="338" />
  </ExtendedAttribute>

```

```

    </ExtendedAttributes>
  </Activity>
- <Activity Id="60" Name="Create Invoice">
- <Implementation>
- <Tool Id="createInvoice" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>orderNumber</ActualParameter>
  <ActualParameter>docUri</ActualParameter>
  </ActualParameters>
  </Tool>
  </Implementation>
  <Performer>DBConnection</Performer>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="460" ypos="435" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="61" Name="Create Receipt">
- <Implementation>
- <Tool Id="createReceipt" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>orderNumber</ActualParameter>
  <ActualParameter>docUri</ActualParameter>
  </ActualParameters>
  </Tool>
  </Implementation>
  <Performer>DBConnection</Performer>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="461" ypos="338" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="63" Name="Raise Alarm">
- <Implementation>
  <No />
  </Implementation>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="83" ypos="271" />
  </ExtendedAttribute>
  <ExtendedAttribute Name="SystemActivity" Value="Alarm" />
  </ExtendedAttributes>
  </Activity>
- <Activity Id="64" Name="Cancel Order">
  <Description>View order and enter fulfillment info</Description>
- <Implementation>
- <Tool Id="cancelOrder" Type="APPLICATION">

```

```

- <ActualParameters>
  <ActualParameter>orderNumber</ActualParameter>
  </ActualParameters>
</Tool>
</Implementation>
<Performer>DBConnection</Performer>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="174" ypos="271" />
  </ExtendedAttribute>
</ExtendedAttributes>
</Activity>
</Activities>
- <Transitions>
  <Transition Id="8" From="21" To="36" />
- <Transition Id="10" From="36" To="22">
  <Condition>orderType == "PO"</Condition>
  </Transition>
- <Transition Id="11" From="36" To="59">
  <Condition>orderType == "Credit"</Condition>
  </Transition>
  <Transition Id="13" From="60" To="31" />
  <Transition Id="14" From="61" To="31" />
  <Transition Id="15" From="31" To="30" />
  <Transition Id="43" From="59" To="23" />
  <Transition Id="44" From="23" To="61" />
  <Transition Id="45" From="22" To="60" />
- <Transition Id="49" From="36" To="63">
  <Condition>notifyException</Condition>
  </Transition>
- <Transition Id="50" From="36" To="64">
  <Condition>timeoutException</Condition>
  </Transition>
  <Transition Id="51" From="64" To="30" />
</Transitions>
</WorkflowProcess>
- <WorkflowProcess Id="3" Name="CreditCheck" AccessLevel="PRIVATE">
  <ProcessHeader />
- <FormalParameters>
- <FormalParameter Id="accountNumber" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="INTEGER" />
  </DataType>
</FormalParameter>
- <FormalParameter Id="amount" Index="2" Mode="IN">
- <DataType>
  <BasicType Type="FLOAT" />
  </DataType>
</FormalParameter>

```

```

- <FormalParameter Id="cardType" Index="4" Mode="IN">
- <DataType>
  <DeclaredType Id="CardType" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="status" Index="3" Mode="OUT">
- <DataType>
  <DeclaredType Id="OrderStatus" />
  </DataType>
  </FormalParameter>
</FormalParameters>
- <DataFields>
- <DataField Id="creditStatus" IsArray="FALSE">
- <DataType>
  <BasicType Type="STRING" />
  </DataType>
  <Length>0</Length>
  </DataField>
</DataFields>
<Participants />
- <Applications>
- <Application Id="setCreditInfo">
  <Description>Creates and initializes a CreditInfo object.</Description>
- <FormalParameters>
- <FormalParameter Id="accountNumber" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="INTEGER" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="amount" Index="2" Mode="IN">
- <DataType>
  <BasicType Type="FLOAT" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="cardType" Index="3" Mode="IN">
- <DataType>
  <DeclaredType Id="CardType" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="creditInfo" Index="4" Mode="OUT">
- <DataType>
  <DeclaredType Id="CreditInfo" />
  </DataType>
  </FormalParameter>
</FormalParameters>
</Application>
- <Application Id="getCreditAuthorization">
  <Description>Gets credit authorization from a charge card web service.</Description>

```

```

<ExternalReference
  location="http://wfmc.org/standards/docs/xpdl_sample/creditService.wsdl"
  xref="GetCreditAuthorization" />
</Application>
- <Application Id="setOrderStatus">
  <Description>Converts status returned by credit check to OrderStatus.</Description>
- <FormalParameters>
- <FormalParameter Id="creditStatus" Index="1" Mode="IN">
- <DataType>
  <BasicType Type="STRING" />
  </DataType>
  </FormalParameter>
- <FormalParameter Id="orderStatus" Index="2" Mode="OUT">
- <DataType>
  <DeclaredType Id="OrderStatus" />
  </DataType>
  </FormalParameter>
  </FormalParameters>
  </Application>
  </Applications>
- <Activities>
- <Activity Id="48">
  <Route />
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="61" ypos="395" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="49" Name="Set Credit Info">
- <Implementation>
- <Tool Id="setCreditInfo" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>accountNumber</ActualParameter>
  <ActualParameter>amount</ActualParameter>
  <ActualParameter>cardType</ActualParameter>
  <ActualParameter>creditInfo</ActualParameter>
  </ActualParameters>
  </Tool>
  </Implementation>
  <Performer>DBConnection</Performer>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="151" ypos="394" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="50" Name="Get Credit Authorization">
- <Implementation>

```

```

- <Tool Id="getCreditAuthorization" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>creditInfo</ActualParameter>
  <ActualParameter>creditStatus</ActualParameter>
  </ActualParameters>
  </Tool>
  </Implementation>
- <ExtendedAttributes>
  <ExtendedAttribute Name="SystemActivity" Value="WebService" />
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="253" ypos="394" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="52">
  <Route />
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="444" ypos="397" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
- <Activity Id="62" Name="Set Order Status">
- <Implementation>
- <Tool Id="setOrderStatus" Type="APPLICATION">
- <ActualParameters>
  <ActualParameter>creditStatus</ActualParameter>
  <ActualParameter>status</ActualParameter>
  </ActualParameters>
  </Tool>
  </Implementation>
- <ExtendedAttributes>
- <ExtendedAttribute Name="Coordinates">
  <xyz:Coordinates xpos="361" ypos="394" />
  </ExtendedAttribute>
  </ExtendedAttributes>
  </Activity>
  </Activities>
- <Transitions>
  <Transition Id="35" From="50" To="62" />
  <Transition Id="46" From="48" To="49" />
  <Transition Id="47" From="49" To="50" />
  <Transition Id="48" From="62" To="52" />
  </Transitions>
  </WorkflowProcess>
  </WorkflowProcesses>
  </Package>

```