ASSESSMENT – 7

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Task:

```
POC Details: 3 (VFS, DB, Mail, XSLT, Enrich and Schedular)
Artifacts Required
1. Create a schedular: PatientDetailsTrigger_SCHD (trigger once in every day at 2pm)
2. Proxy name: PatientDetails_Service
3. DB Structure
create a Schema name HitechHospital
       Create a table with name = Patient Details
columns= Pcode, Name, Age, Dept, DateOfAdmit, Charge, Gender
              p1, Arun, 24, Surgery, 2024-01-02, 500000, M
{you frame a records of your own but name should be repeated with different dept and dates}
4. Create file with below data in it
filename: patientdetails.json
Request payload
 "PatientDetails":[
   {
     "Name":"Arun",
"FromDate": "2024-01-03",
"ToDate":"2024-01-30"
   },
     "Name": "John",
```

```
"FromDate":"2024-01-03",

"ToDate":"2024-01-30"

},

{
    "Name":"Henry",

"FromDate":"2024-01-03",

"ToDate":"2024-01-30"

}

]
```

Code Flow

- 1. Once the scheduler trigger at 2pm every day it should call the PatientDetails_Service proxy
- ---- the proxy service should read the files patientdetails.json
- 2. Iterate through records
- -- do the below mentioned validations for fromdate and todate
 - 1. fromdate and todate should not be greater than current date
 - 2. fromdate and to date should be yyyy-mm-dd format
 - 3. month in the year should not be greater than 12, and days in the month should not be greater than 30 or 31 if its leap year means feb can accept 29th date else it should be 28 days (about 4 weeks) only
 - 4. Date range between fromdate and todate should be only 10 days
 - -----If the request failed any of these validations through error in log as mentioned below and proceed with next iteration record

```
{
"ErrorCode":"100"
"ErrorDescription":"FromDate is not valid"
}
```

```
or
{
"ErrorCode":"200"
"ErrorDescription":"ToDate is not valid"
}
```

2. make a DB call for each iteration

---- retireve call the records for table when DateOfAdmit matchs the fromdate, todate and Name

eg: if fromdate, todate and Name is (2024-01-03, 2024-01-30, Arun) means you must retieve the all the records from the table of name for the date range between from date and to date

- 3. store the DB response in a property
- 4. Use XSLT format the DB response as shown below for each record

5. using XSLT create a HTML table as shown below

| HiTechHospital | | | | | | |
|----------------|-----|---------|--------|------------|--|--|
| Patient Name | Age | Dept | Charge | Admit Date | | |
| Arun | 24 | Surgery | 50000 | 2024-01-03 | | |

6. using mail operation pass this table into mail body and send the mail to your personal or aspire mail Id as shown below

Mail subject: Arun medical details

Hi {your name},

Greetings.

Please find the below attached the medical details of Arun

| HiTechHospital | | | | | | | |
|----------------|-----|---------|--------|------------|--|--|--|
| Patient Name | Age | Dept | Charge | Admit Date | | | |
| Arun | 24 | Surgery | 50000 | 2024-01-03 | | | |

- 7. For each iteration you must trigger mail and the mail should contain details of the request patient name
- 8. If any error occurs log the error in the required format and do not trigger mails.

Code:

PatientDetailsTrigger_SCHD.xml

PatientDetails_Service.xml

```
</sequence>
         </target>
       </iterate>
    </inSequence>
    <outSequence/>
    <faultSequence/>
  </target>
  <parameter name="transport.PollInterval">15</parameter>
  <parameter name="transport.vfs.FileURI">file:///C:/Poc_file</parameter>
  <parameter name="transport.vfs.ContentType">application/json</parameter>
  <parameter name="transport.vfs.ActionAfterProcess">MOVE</parameter>
  <parameter name="transport.vfs.MoveAfterFailure">file:///C:/Poc_file/error</parameter>
  <parameter name="transport.vfs.ActionAfterFailure">MOVE</parameter>
  <parameter name="transport.vfs.FileNamePattern">.*\.json</parameter>
  <parameter</pre>
name="transport.vfs.MoveAfterProcess">file:///C:/Poc_file/archive</parameter>
</proxy>
```

validationSequence.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<sequence name="validationSequence" trace="disable"</pre>
xmlns="http://ws.apache.org/ns/synapse">
  <script language="js"><![CDATA[var fromDate =</pre>
mc.getProperty('fromdate');
var toDate = mc.getProperty('todate');
function checkdatedifference(date1.date2)
var fromDateObj = new Date(date1);
var toDateObj = new Date(date2);
var timeDifference = Math.abs(toDateObj - fromDateObj);
var daysDifference = Math.ceil(timeDifference / (1000 * 3600 * 24));
return (daysDifference == 10);
function validateDate(checkdate) {
var dateFormat = /^{(d{4})-(0[1-9]|1[0-2])-(0[1-9]|[12][0-9]|3[01])$/;
var currentDateObj = new Date();
var dateObj = new Date(checkdate);
if (!dateFormat.test(checkdate)||dateObj > currentDateObj) {
  return false:
var year = parseInt(checkdate.substring(0, 4));
var month = parseInt(checkdate.substring(5, 7));
```

```
var day = parseInt(checkdate.substring(8, 10));
if (month == 2) {
if (year % 4 == 0 \&\& (year \% 100 != 0 || year \% 400 == 0)) {
return (day >= 1 \&\& day <= 29);
else {
return (day >= 1 \&\& day <= 28);
} else if ([4, 6, 9, 11].includes(month)) {
return (day >= 1 \&\& day <= 30);
} else {
return (day >= 1 \&\& day <= 31);
if (validateDate(fromDate))
mc.setProperty('validatefromDate', 'true');
mc.setProperty('fromErrorDescription', 'no errors');
}
else
mc.setProperty('validatefromDate', 'false');
mc.setProperty('fromErrorDescription', '{"ErrorCode":"100",
"ErrorDescription": "FromDate is not valid" }');
if (validateDate(toDate))
mc.setProperty('validatetoDate', 'true');
mc.setProperty('toErrorDescription', 'no errors');
}
else
mc.setProperty('validatetoDate', 'false');
mc.setProperty('toErrorDescription', '{ "ErrorCode": "200",
"ErrorDescription":"ToDate is not valid"}');
}
if(checkdatedifference(fromDate,toDate))
mc.setProperty('validateDate','true');
```

```
mc.setProperty('dateRangeDescription', 'no errors');
else
mc.setProperty('validateDate','false');
mc.setProperty('dateRangeDescription', '{ "ErrorCode": "300",
"ErrorDescription": "From and To Dates more than the range" \}');
}]]></script>
  cproperty expression="get-property('validatefromDate')"
name="Fromdatevalidation" scope="default" type="BOOLEAN"/>
  cproperty expression="get-property('validatetoDate')"
name="Todatevalidation" scope="default" type="BOOLEAN"/>
  cproperty expression="get-property('validateDate')" name="Datevalidation"
scope="default" type="BOOLEAN"/>
  <log level="custom">
    property expression="get-property('validatefromDate')"
name="Fromdatevalidation"/>
  </log>
  <filter regex="true" source="boolean($ctx:Fromdatevalidation)">
    <then>
      <log level="custom">
         cproperty name="Status" value="From Date is valid"/>
      </log>
      <filter regex="true" source="boolean($ctx:Todatevalidation)">
         <then>
           <log level="custom">
             property name="Status" value="To Date is valid"/>
           </log>
           <filter regex="true" source="boolean($ctx:Datevalidation)">
             <then>
                <log level="custom">
                  cproperty name="Status" value="Dates range is valid"/>
               <sequence key="fetchdetailSequence"/>
             </then>
             <else>
                <log level="custom">
```

```
cproperty expression="get-
property('dateRangeDescription')" name="Status"/>
                 </log>
              </else>
            </filter>
         </then>
         <else>
            <log level="custom">
              cproperty expression="get-property('toErrorDescription')"
name="Status"/>
            </log>
         </else>
       </filter>
     </then>
     <else>
       <log level="custom">
         cproperty expression="get-property('fromErrorDescription')"
name="Status"/>
       </log>
    </else>
  </filter>
</sequence>
```

fetchdetails.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<sequence name="fetchdetailSequence" trace="disable"</pre>
xmlns="http://ws.apache.org/ns/synapse">
  <dblookup>
    <connection>
      <pool>
         <driver>com.microsoft.sqlserver.jdbc.SQLServerDriver</driver>
<url>idbc:sqlserver://localhost:1433;databaseName=HitechHospital;encrypt=true;trustServerC
ertificate=true;</url>
         <user>sa</user>
         <password>Aspire@123</password>
      </pool>
    </connection>
    <statement>
       <sql><![CDATA[SELECT * FROM PatientDetails WHERE Name = ? AND</pre>
DateOfAdmit BETWEEN ? AND ?]]></sql>
      <parameter expression="$ctx:Name" type="VARCHAR"/>
      <parameter expression="$ctx:fromdate" type="DATE"/>
      <parameter expression="$ctx:todate" type="DATE"/>
```

xsltSequence.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<sequence name="xsltSequence" trace="disable" xmlns="http://ws.apache.org/ns/synapse">
 <xslt key="xmlTranformer LE">
  cproperty expression="get-property('Name')" name="name"/>
  cproperty expression="get-property('Bill')" name="bill"/>
  <log level="custom">
  property expression="$body/*" name="xsltout"/>
 <xslt key="tableTransfromer LE">
  cproperty expression="get-property('Name')" name="name"/>
  cproperty expression="get-property('Dept')" name="dept"/>
  cproperty expression="get-property('Bill')" name="bill"/>
  </xslt>
 <log level="custom">
  value="application/html"/>
 <xslt key="mailtoTransformer_LE">
  cproperty expression="get-property('Name')" name="name"/>
  cproperty expression="get-property('Age')" name="age"/>
  cproperty expression="get-property('Dept')" name="dept"/>
  cproperty expression="get-property('Bill')" name="bill"/>
  </xslt>
```

xmlTranformer LE.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<localEntry key="xmlTranformer_LE" xmlns="http://ws.apache.org/ns/synapse">
  <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:param name="name"/>
    <xsl:param name="dept"/>
    <xsl:param name="bill"/>
    <xsl:param name="doa"/>
    <xsl:output method="xml"/>
    <xsl:template match="/">
       <xsl:element name="{$name}">
         <xsl:element name="Dept">
           <xsl:attribute name="dept">
              <xsl:value-of select="$dept"/>
           </xsl:attribute>
           <xsl:element name="Charge">
              <xsl:value-of select="$bill"/>
           </xsl:element>
           <xsl:element name="DateOfAdmit">
              <xsl:value-of select="$doa"/>
           </xsl:element>
         </xsl:element>
       </xsl:element>
    </xsl:template>
  </xsl:stylesheet>
</localEntry>
```

tableTransfromer_LE.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<localEntry key="tableTransfromer_LE" xmlns="http://ws.apache.org/ns/synapse">
```

```
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
   <xsl:param name="name"/>
   <xsl:param name="age"/>
   <xsl:param name="bill"/>
   <xsl:param name="doa"/>
   <xsl:param name="dept"/>
   <xsl:output method="html"/>
   <xsl:template match="/">
     <html>
           <head>
                 <meta content="width=device-width, initial-scale=1.0"
name="viewport"/>
         <style>table, th, td { border: 1px solid black; border-collapse;
padding:10px;}</style>
           </head>
       <body>
         HiTechHospital
           Patient Name
             Age
             Dept
             Charge
             Admit Date
           <xsl:value-of select="$name"/>
             <xsl:value-of select="$age"/>
             <xsl:value-of select="$dept"/>
             <xsl:value-of select="$bill"/>
             <xsl:value-of select="$doa"/>
             </body>
     </html>
   </xsl:template>
```

```
</xsl:stylesheet>
</localEntry>
```

mailtoTransformer_LE.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<localEntry key="mailtoTransformer_LE" xmlns="http://ws.apache.org/ns/synapse">
  <xsl:transform version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
   <xsl:param name="name"/>
   <xsl:param name="Rname"/>
   <xsl:param name="age"/>
   <xsl:param name="bill"/>
    <xsl:param name="doa"/>
   <xsl:param name="dept"/>
    <xsl:output method="html"/>
   <xsl:template match="/">
     <html>
       <head>
         <meta content="width=device-width, initial-scale=1.0" name="viewport"/>
         <style>table, th, td { border: 1px solid black; border-collapse; collapse;
padding:10px;}</style>
       </head>
        <body>
         Hi <xsl:value-of select="$Rname"/>,
         Greetings.
         Please find the below attached the medical details of <xsl:value-of</p>
select="$name"/>.
         HiTechHospital
           Patient Name
             Age
             Dept
             Charge
             Admit Date
           <xsl:value-of select="$name"/>
             <xsl:value-of select="$age"/>
             <xsl:value-of select="$dept"/>
```

mailto_EP.xml

Output:

Log output:

```
[2024-04-18 10:10:49,265] INFO {EventAdminConfigurationNotifier} - Logging configuration changed. (Event Admin service unavailable - no notification sent).
[2024-04-18 10:10:52,932] INFO {MailTransportSender} - MAILTO Sender started [2024-04-18 10:10:52,943] WARN {mail} - expected resource not found: /META-INF/javamail.default.address.map [2024-04-18 10:10:53,104] INFO {RabbitMQSender} - RABBITMQ Sender started [2024-04-18 10:10:53,137] INFO {RabbitMQSender} - RabbitMQ AMQP Transport Sender initialized...
[2024-04-18 10:10:53,204] INFO {RabbitMQListener} - RabbitMQ AMQP Transport Receiver initialized...
[2024-04-18 10:10:55,684] INFO {LocalEntryDeployer} - LocalEntry named 'mailtoTransformer_LE' has been deployed from file:
```

 $1234\ 1713415255029 Test Composite Application_1.0.0. car\ mail to Transformer_LE_1.0.0 \ mail to Transformer_LE-1.0.0. xml$

[2024-04-18 10:10:55,690] INFO {LocalEntryDeployer} - LocalEntry named 'tableTransfromer_LE' has been deployed from file :

 $1234\ 1713415255029 Test Composite Application_1.0.0. car \ table Transfromer_LE_1.0.0 \ table Transfromer_LE-1.0.0. xml$

[2024-04-18 10:10:55,691] INFO {LocalEntryDeployer} - LocalEntry named

'xmlTranformer_LE' has been deployed from file :

 $1234\ 1713415255029 Test Composite Application_1.0.0. car\ xml Tranformer_LE_1.0.0\ xml Tranformer_LE-1.0.0. xml$

 $[2024\text{-}04\text{-}18\ 10\text{:}10\text{:}55,\!713}]$ INFO {EndpointDeployer} - Endpoint named 'mailto_EP' has been deployed from file :

 $\label{lem:carbonap} $$C:\Users\agatees.kaliappan\Desktop\WSO2\IntegrationStudio\runtime\microesb\tmp\carbonap ps\-1234\1713415255029TestCompositeApplication_1.0.0.car\mailto_EP_1.0.0\mailto_EP-1.0.0.xml$

[2024-04-18 10:10:55,749] INFO {DBLookupMediator} - Successfully created data source for

jdbc:sqlserver://localhost:1433;databaseName=HitechHospital;encrypt=true;trustServerCertificate=true;.

[2024-04-18 10:10:55,749] INFO {Axis2SynapseEnvironment} - Continuation call is set to true

[2024-04-18 10:10:55,749] INFO {SequenceDeployer} - Sequence named

'fetchdetailSequence' has been deployed from file:

 $1234\ 1713415255029 Test Composite Application_1.0.0. car \ fetch detail Sequence_1.0.0 \ fetch detail Sequence_1.0.0. xml$

[2024-04-18 10:10:55,907] INFO {SequenceDeployer} - Sequence named 'xsltSequence' has been deployed from file :

 $1234\ 1713415255029 Test Composite Application_1.0.0. car \ xslt Sequence_1.0.0 \ xslt Sequence_1.0.0. xml$

[2024-04-18 10:10:56,108] INFO {SequenceDeployer} - Sequence named

'validationSequence' has been deployed from file:

1234\1713415255029TestCompositeApplication_1.0.0.car\validationSequence_1.0.0\validationSequence-1.0.0.xml

[2024-04-18 10:10:56,129] INFO {ProxyService} - {proxy:PatientDetails_Service} Building Axis service for Proxy service : PatientDetails_Service

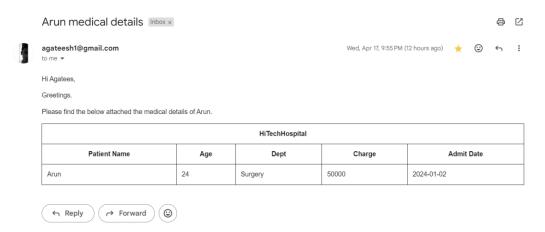
```
[2024-04-18 10:10:56,129] INFO {ProxyService} - {proxy:PatientDetails Service} Adding
service PatientDetails_Service to the Axis2 configuration
[2024-04-18 10:10:56,129] INFO {ProxyService} - {proxy:PatientDetails_Service}
Successfully created the Axis2 service for Proxy service : PatientDetails Service
[2024-04-18 10:10:56,129] INFO {ProxyServiceDeployer} - ProxyService named
'PatientDetails_Service' has been deployed from file:
C:\Users\agatees.kaliappan\Desktop\WSO2\IntegrationStudio\runtime\microesb\tmp\carbonap
ps\-
1234\1713415255029TestCompositeApplication_1.0.0.car\PatientDetails_Service_1.0.0\Patie
ntDetails Service-1.0.0.xml
[2024-04-18 10:10:56,129] INFO {CappDeployer} - Successfully Deployed Carbon
Application : Final_POCCompositeExporter_1.0.0-SNAPSHOT{super-tenant}
[2024-04-18 10:10:56,129] INFO {AppDeployerServiceComponent} - Dashboard is
configured. Initiating heartbeat component.
[2024-04-18 10:10:56,174] INFO {PassThroughListeningIOReactorManager} - Pass-through
HTTP Listener started on 0.0.0.0:8290
[2024-04-18 10:10:56,178] INFO {PassThroughListeningIOReactorManager} - Pass-through
HTTPS Listener started on 0.0.0.0:8253
[2024-04-18 10:10:56,178] INFO {RabbitMQListener} - RABBITMQ listener started
[2024-04-18 10:10:56,179] INFO {StartupFinalizer} - WSO2 Micro Integrator started in
11.38 seconds
[2024-04-18 10:10:56,278] INFO {PassThroughListeningIOReactorManager} - Pass-through
EI INTERNAL HTTP INBOUND ENDPOINT Listener started on 0.0.0.0:9201
[2024-04-18 10:10:56,331] INFO {PassThroughListeningIOReactorManager} - Pass-through
EI INTERNAL HTTPS INBOUND ENDPOINT Listener started on 0.0.0.0:9164
[2024-04-18 10:10:58,556] INFO {AuthenticationHandlerAdapter} - User admin logged in
successfully
[2024-04-18 10:11:11,263] INFO {LogMediator} - {proxy:PatientDetails_Service} Patient
Name = Arun, Fromdatevalidation = true
[2024-04-18 10:11:11,263] INFO {LogMediator} - {proxy:PatientDetails Service} Status =
From Date is valid
[2024-04-18 10:11:11,263] INFO {LogMediator} - {proxy:PatientDetails_Service} Status =
To Date is valid
[2024-04-18 10:11:11,263] INFO {LogMediator} - {proxy:PatientDetails_Service} Status =
Dates range is valid
[2024-04-18 10:11:11,277] INFO {LogMediator} - {proxy:PatientDetails_Service} Patient
Name = John, Fromdatevalidation = true
[2024-04-18 10:11:11,277] INFO {LogMediator} - {proxy:PatientDetails_Service} Status =
From Date is valid
[2024-04-18 10:11:11,277] INFO {LogMediator} - {proxy:PatientDetails_Service} Status =
To Date is valid
[2024-04-18 10:11:11,277] INFO {LogMediator} - {proxy:PatientDetails_Service} Status =
{"ErrorCode":"300", "ErrorDescription":"From and To Dates more than the range"}
[2024-04-18 10:11:11,283] INFO {LogMediator} - {proxy:PatientDetails_Service} Patient
Name = Henry, Fromdatevalidation = true
[2024-04-18 10:11:11,283] INFO {LogMediator} - {proxy:PatientDetails Service} Status =
From Date is valid
```

```
[2024-04-18 10:11:11,283] INFO {LogMediator} - {proxy:PatientDetails Service} Status =
To Date is valid
[2024-04-18 10:11:11,283] INFO {LogMediator} - {proxy:PatientDetails_Service} Status =
{"ErrorCode":"300", "ErrorDescription":"From and To Dates more than the range"}
[2024-04-18 10:11:11,510] INFO {LogMediator} - {proxy:PatientDetails_Service} bill =
50000, department = Surgery, admitdate = 2024-01-02
[2024-04-18 10:11:11,829] INFO {LogMediator} - {proxy:PatientDetails_Service} xsltout =
<Arun><Dept dept="Surgery"><Charge>50000</Charge><DateOfAdmit>2024-01-
02</DateOfAdmit></Dept></Arun>
[2024-04-18 10:11:11,876] INFO {LogMediator} - {proxy:PatientDetails_Service} xslt table
out = <html xmlns="http://ws.apache.org/ns/synapse">
 <body>
  HiTechHospital
    Patient Name
     Age
     Dept
     Charge
     Admit Date
    Arun
     24
     Surgery
     50000
     2024-01-02
    </body>
[2024-04-18 10:11:11,926] INFO {LogMediator} - {proxy:PatientDetails Service} xslt table
out = <html xmlns="http://ws.apache.org/ns/synapse">
 <head>
   <meta http-equiv="Content-Type" content="text/html; charset=UTF-8"/>
   <meta content="width=device-width, initial-scale=1.0" name="viewport"/>
   <style>table, th, td { border: 1px solid black; border-collapse: collapse;
padding:10px;}</style>
 </head>
 <body>
   Hi Agatees,
   Greetings.
   Please find the below attached the medical details of Arun.
   HiTechHospital
```

```
Patient Name
  Age
  Dept
  Charge
  Admit Date
  Arun
  24
  Surgery
  50000
  2024-01-02
  </body>
</html>
```

Output in the Mail:

Success Scenario:



DB error handling Scenario:

While errors occur in the flow the error will be logged as example, I have made error in my DBlookup by using an undefined param inside the flow. As a result, we can see the errors are logged and send as a response in the postman.

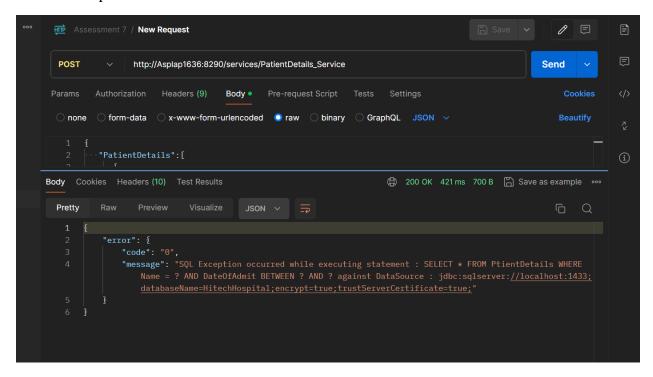
Log Output:

```
[2024-04-22 11:10:00,482] INFO {LogMediator} - {proxy:PatientDetails_Service} errorcode = 0
```

[2024-04-22 11:10:00,482] INFO {LogMediator} - {proxy:PatientDetails_Service} errormessage = SQL Exception occurred while executing statement : SELECT * FROM PtientDetails WHERE Name = ? AND DateOfAdmit BETWEEN ? AND ? against DataSource :

jdbc:sqlserver://localhost:1433;databaseName=HitechHospital;encrypt=true;trustServerCertificate=true;

Postman Output:



XSLT error handling Scenario:

While errors occur in the flow the error will be logged as example, I have made error in my XSLT logic by using an undefined param inside the flow. As a result, we can see the errors are logged and send as a response in the postman.

Log Output:

```
[2024-04-22 11:40:43,030] INFO {LogMediator} - {proxy:PatientDetails_Service} errorcode = 0 

[2024-04-22 11:40:43,031] INFO {LogMediator} - {proxy:PatientDetails_Service} errormessage = Unable to perform XSLT transformation using : Value {name = 'null', keyValue = 'xmlTranformer_LE'} against source XPath : s11:Body/child::*[position()=1] |
```

s12:Body/child::*[position()=1] reason : Error creating XSLT transformer using : Value {name = 'null', keyValue = 'xmlTranformer_LE'}

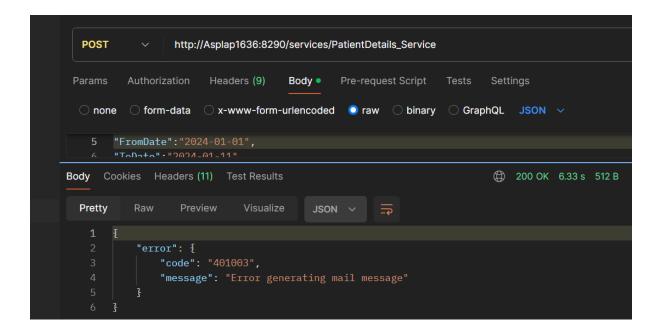
Postman Output:

Other error handling Scenario:

Log output:

```
[2024-04-22 12:09:51,316] INFO {LogMediator} - {proxy:PatientDetails_Service} errorcode = 401003 [2024-04-22 12:09:51,316] INFO {LogMediator} - {proxy:PatientDetails_Service} errormessage = Error generating mail message
```

Postman Output:



Validation Sequence:

Testing with the dates greater than current date:

For from date:

```
"PatientDetails":[
"Name":"Arun",
"FromDate":"2025-01-01",
"ToDate":"2024-01-11"
```

```
[2024-04-22 11:55:17,926] INFO {LogMediator} - {proxy:PatientDetails_Service} Patient
Name = Arun, Fromdatevalidation = false
[2024-04-22 11:55:17,927] INFO {LogMediator} - {proxy:PatientDetails_Service} Status =
{"ErrorCode":"100", "ErrorDescription":"FromDate is not valid"}
[10ReactorManager] - Pass-through El_INTERNAL_HITPS_INBOUND_ENDPOINT Listener started on 0.0.0.0:9164
[10ReactorManager] - Pass-through El_INTERNAL_HITPS_INBOUND_ENDPOINT LISTENER STARTED ON 0.0.0:9164
[10ReactorManager] - Pass-through El_INTERNAL_HITPS_INBOUND_ENDPOINT LISTENER STARTED ON 0.0:9164
[10ReactorManager] - Pass-through El_INTERNAL_HITPS_INBOUND_ENDPOINT LISTENER STARTED ON 0.0:9164
[10ReactorManager] - Pass-through El_INTERNAL_HITPS_INBOU
```

For to date:

```
"FromDate":"2024-01-12",
"ToDate":"2025-01-13"
```

```
[2024-04-22 11:55:17,935] INFO {LogMediator} - {proxy:PatientDetails_Service} Status = From Date is valid [2024-04-22 11:55:17,936] INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"200", "ErrorDescription":"ToDate is not valid"}
```

```
- WSO2 Micro Integrator started in 8.55 seconds
ingIOReactorManager} - Pass-through EI_INTERNAL_HTTP_INBOUND_ENDPOINT Listener started on 0.0.0.0:9201
ingIOReactorManager} - Pass-through EI_INTERNAL_HTTPS_INBOUND_ENDPOINT Listener started on 0.0.0.0:9164
flerAdapter} - User admin logged in successfully
roxy:PatientDetails_Service} Patient Name = Arun, Fromdatevalidation = false
roxy:PatientDetails_Service} Status = {"ErrorCode":"100", "ErrorDescription":"FromDate is not valid"}
roxy:PatientDetails_Service} Patient Name = John, Fromdatevalidation = false
roxy:PatientDetails_Service} Status = {"ErrorCode":"100", "ErrorDescription":"FromDate is not valid"}
roxy:PatientDetails_Service} Status = From Date is valid
roxy:PatientDetails_Service} Status = {"ErrorCode":"200", "ErrorDescription":"ToDate is not valid"}
```

For validation month and day:

For from date:

```
"FromDate":"2024-02-31",
"ToDate":"2024-01-13"
```

```
[2024-04-22 11:55:17,930] INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"100", "ErrorDescription":"FromDate is not valid"} [2024-04-22 11:55:17,935] INFO {LogMediator} - {proxy:PatientDetails_Service} Patient Name = Henry, Fromdatevalidation = true
```

For month validation:

Case - 1:

```
"FromDate":"2024-01-01",
"ToDate":"2024-13-11"
```

Log Output:

[2024-04-23 11:42:00,065] INFO {LogMediator} - {proxy:PatientDetails_Service} Status = From Date is valid [2024-04-23 11:42:00,065] INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"200", "ErrorDescription":"ToDate is not valid"}

```
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = From Date is valid
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"200", "ErrorDescription":"ToDate is not valid"}
INFO {LogMediator} - {proxy:PatientDetails_Service} Patient Name = John, Fromdatevalidation = false
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"100", "ErrorDescription":"FromDate is not valid"}
INFO {LogMediator} - {proxy:PatientDetails_Service} Patient Name = Henry, Fromdatevalidation = true
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = From Date is valid
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"200", "ErrorDescription":"ToDate is not valid"}
```

Case - 2:

```
"FromDate":"2024-00-31",
"ToDate":"2024-01-13"
```

```
[2024-04-23 11:42:00,066] INFO {LogMediator} - {proxy:PatientDetails_Service} Patient
Name = John, Fromdatevalidation = false
[2024-04-23 11:42:00,066] INFO {LogMediator} - {proxy:PatientDetails_Service} Status =
{"ErrorCode":"100", "ErrorDescription":"FromDate is not valid"}

INFO {LogMediator} - {proxy:PatientDetails_Service} Patient Name = Arun, Fromdatevalidation = true
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = From Date is valid
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"200", "ErrorDescription":"ToDate is not valid"}
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"100", "ErrorDescription":"FromDate is not valid"}
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"100", "ErrorDescription":"FromDate is not valid"}
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = From Date is valid
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = From Date is valid
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = From Date is valid
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"200", "ErrorDescription":"ToDate is not valid"}
```

For validating date with leap year:

```
"PatientDetails":[
"Name":"Arun",
"FromDate":"2016-02-29",
"ToDate":"2020-02-29"
```

```
[2024-04-23 11:53:24,740] INFO {LogMediator} - {proxy:PatientDetails_Service} Patient
Name = Arun, Fromdatevalidation = true
[2024-04-23 11:53:24,740] INFO {LogMediator} - {proxy:PatientDetails_Service} Status =
From Date is valid
[2024-04-23 11:53:24,748] INFO {LogMediator} - {proxy:PatientDetails_Service} Status =
To Date is valid
[2024-04-23 11:53:24,748] INFO {LogMediator} - {proxy:PatientDetails_Service} Status =
{"ErrorCode":"300", "ErrorDescription":"From and To Dates more than the range"}

INFO {LogMediator} - {proxy:PatientDetails_Service} Status = From Date is valid
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = From Date is valid
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = To Date is valid
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"300", "ErrorDescription":"From and To Dates more than the range"}
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"300", "ErrorDescription":"From and To Dates more than the range"}
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"300", "ErrorDescription":"From and To Dates more than the range"}
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"300", "ErrorDescription":"FromDate is not valid"}
```

For checking the difference between the from and to dates is whether 10 days:

INFO {LogMediator} - {proxy:PatientDetails_Service} Status = From Date is valid
INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"200", "ErrorDescription":"ToDate is not valid"}

INFO {LogMediator} - {proxy:PatientDetails_Service} Patient Name = Henry, Fromdatevalidation = true

```
"FromDate": "2024-01-12",
"ToDate": "2024
```

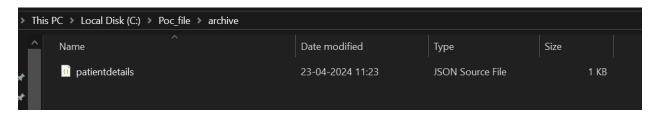
```
[2024-04-22 12:04:17,338] INFO {LogMediator} - {proxy:PatientDetails_Service} Status = To Date is valid [2024-04-22 12:04:17,338] INFO {LogMediator} - {proxy:PatientDetails_Service} Status = {"ErrorCode":"300", "ErrorDescription":"From and To Dates more than the range"}
```

```
:PatientDetails_Service} Patient Name = Arun, Fromdatevalidation = false
:PatientDetails_Service} Status = {"ErrorCode":"100", "ErrorDescription":"FromDate is not valid"}
:PatientDetails_Service} Patient Name = John, Fromdatevalidation = false
:PatientDetails_Service} Status = {"ErrorCode":"100", "ErrorDescription":"FromDate is not valid"}
:PatientDetails_Service} Patient Name = Henry, Fromdatevalidation = true
:PatientDetails_Service} Status = From Date is valid
:PatientDetails_Service} Status = To Date is valid
:PatientDetails_Service} Status = {"ErrorCode":"300", "ErrorDescription":"From and To Dates more than the range"
```

vfs.ActionAfterProcess:

VFS Action After Process is set to move operation and the path of the folder has been defined as a parameter.

File path: *file:///C:/Poc_file/archive*.



vfs.ActionAfterFailure:

VFS Action After failure is set to move operation and the path of the folder has been defined as a parameter.

File path: file:///C:/Poc_file/error.

This process happens only when there is any error in the process of reading the file i.e., Mistake in the file contents or the way of accessing the data.

