ASSESSMENT - 02

Agateeswaran K

ACE11689

Task:

Schedular Task Name: EmployeeVerificationTrigger_SCHD Type:cron or simple

API Name: EmpDetailsVerification_API context:/EmployeeDetails

Sequence Name: ProcessEmployeeDetails_SEQ

Process:

1. Schedular should call the ProcessEmployeeDetails_SEQ

```
2. Under sequence create the payloadFactory mediator and pass the below payload
```

```
"EmployeeDetails": {
    "Employee": [
        {
        "Name":"Anu",
            "ID": "DEV789"
        },
        {
        "Name":"Priya",
            "ID": "ACE965"
        },
        {
        "Name": "Gayathri",
            "ID": "EMP123"
        }
        ]
```

}
3. In sequence Make an endpoint call using call mediator and call EmpDetails_API
4. In API read the payload and create iterate mediator to loop the records
5. Inside Iterate create switch mediator and verify the ID field of the Employee starts with 'ACE'
If Employee ID starts with ACE means create a payload using PayloadFactory mediator as shown below
<verificationdetails></verificationdetails>
<name>Anu</name>
<idvarification>Success</idvarification>
<verificationdetails></verificationdetails>
If Employee ID does not starts with ACE means create a payload using PayloadFactory mediator as shown below
<verificationdetails></verificationdetails>
<name>Anu</name>
<idvarification>Failed</idvarification>
<verificationdetails></verificationdetails>
6. Aggregate the reponse in EmpDetails_API API and the final response should be displayed in log as follows
<employeeverificationdetails></employeeverificationdetails>
<idvarification>Failed</idvarification>
<idvarification>Succes</idvarification>
<idvarification>Failed</idvarification>
<employeeverificationddetails></employeeverificationddetails>

EmployeeVerificationTrigger_SCHD.xml

ProcessEmployeeDetails_SEQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<sequence name="ProcessEmployeeDetails SEQ" trace="disable"</pre>
xmlns="http://ws.apache.org/ns/synapse">
  <payloadFactory media-type="json">
    <format>
 "EmployeeDetails": {
   "Employee": [
  "Name":"Anu",
      "ID": "DEV789"
  "Name":"Priya",
       "ID": "ACE965"
 "Name": "Gayathri",
      "ID": "EMP123"
   ]
</format>
    <args/>
```

```
</payloadFactory>
<call>
<endpoint key="EmpDetails_API"/>
</call>
</sequence>
```

EmpDetails_API.xml

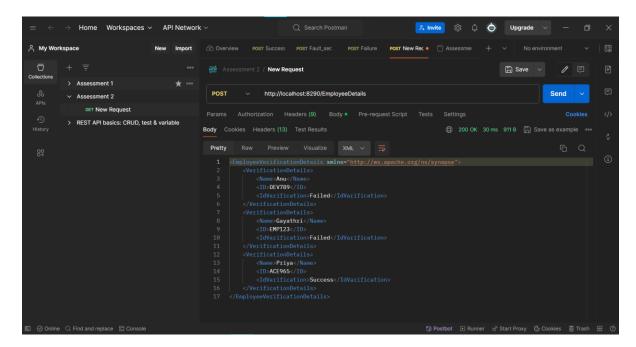
EmpDetailsVerification_API.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<api context="/EmployeeDetails" name="EmpDetailsVerification API"
xmlns="http://ws.apache.org/ns/synapse">
 <resource methods="POST">
   <inSequence>
     <iterate expression="//*[local-name()='Employee']"
id="EmployeeVerificationResponse" sequential="true">
       <target>
         <sequence>
          scope="default" type="STRING"/>
           type="STRING"/>
          <switch source="$ctx:empid">
            <case regex="ACE.*">
              <payloadFactory media-type="xml">
                <format>
                  <VerificationDetails>
                    <Name>$1</Name>
                    <ID>$2</ID>
                    <IdVarification>Success</IdVarification>
```

```
</VerificationDetails>
                    </format>
                    <args>
                       <arg evaluator="xml" expression="$ctx:empname"/>
                       <arg evaluator="xml" expression="$ctx:empid"/>
                    </args>
                  </payloadFactory>
                </case>
                <default>
                  <payloadFactory media-type="xml">
                    <format>
                       <VerificationDetails>
                         <Name>$1</Name>
                         <ID>$2</ID>
                         <IdVarification>Failed</IdVarification>
                       </VerificationDetails>
                    </format>
                    <args>
                       <arg evaluator="xml" expression="$ctx:empname"/>
                       <arg evaluator="xml" expression="$ctx:empid"/>
                    </args>
                  </payloadFactory>
                </default>
             </switch>
             cproperty name="Aggregated_Responses" type="STRING" scope="default">
                <EmployeeVerificationDetails/>
             </property>
             <aggregate id="EmployeeVerificationResponse">
                <completeCondition>
                  <messageCount max="-1" min="-1"/>
                </completeCondition>
                <onComplete aggregateElementType="root"</pre>
enclosingElementProperty="Aggregated_Responses" expression="$body/*"
xmlns:ns="http://org.apache.synapse/xsd">
                  <log level="custom">
                    cproperty expression="//*" name="FinalResponse" scope="default"/>
                  </log>
                  <respond/>
                </or>
             </aggregate>
           </sequence>
         </target>
      </iterate>
    </inSequence>
    <outSequence/>
    <faultSequence/>
  </resource>
</api>
```

Output:
Success case:
Log Output:
[2024-03-18 10:33:20,340] INFO {LogMediator} - {api:EmpDetailsVerification_API} FinalResponse = <soapenv:body xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"><employeeverificationdetails xmlns="http://ws.apache.org/ns/synapse"> <verificationdetails> <name>Anu</name> <id>DEV789</id> <idvarification>Failed</idvarification> </verificationdetails> <verificationdetails> <verificationdetails> <id>ACE965</id> <idvarification>Success</idvarification> </verificationdetails> <verificationdetails> <verificationdetails> <verificationdetails> <verificationdetails> <verificationdetails> <verificationdetails> <name>Gayathri</name> <id>EMP123</id> <idvarification>Failed</idvarification> </verificationdetails> </verificationdetails></verificationdetails></verificationdetails></verificationdetails></verificationdetails></verificationdetails></employeeverificationdetails></soapenv:body>
Postman output:

Success Case:



Error Case:

