Web Engineering
Group name: Victor

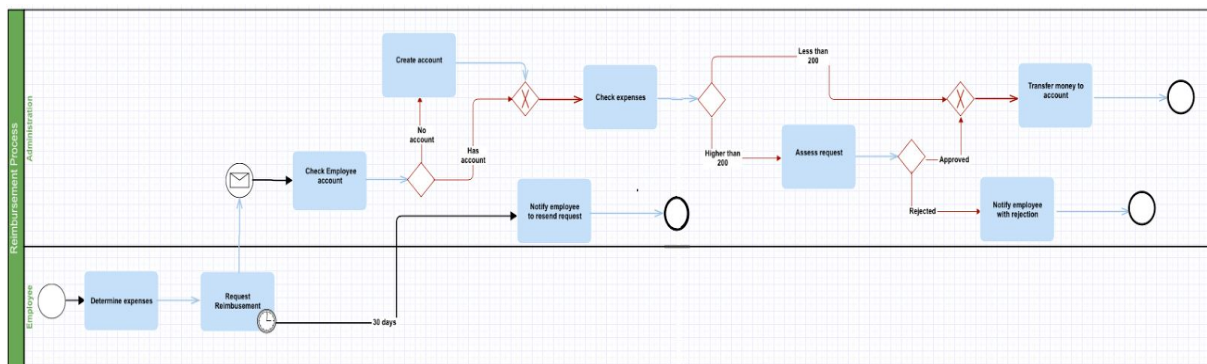Abdullah Imad Abdullah Elkindy (aelkindy@uni-koblenz.de)

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Assignment 4_solution

Exercise 1: Text to BPMN

Exercise 2 : BPMN to BPEL

```
<process name="SayHelloLang">
        <variables>
                <variable name="Lang" type="xsd:string"> </variable>
                <variable name="Result1" type="xsd:string"> </variable>
                <variable name="Result2" type="xsd:string"> </variable>
                <variable name="Result3" type="xsd:string"> </variable>
                <variable name="Spanish" type="xsd:string"> </variable>
                <variable name="French" type="xsd:string"> </variable>
        </variables>

        <assign>
                <copy>
                        <from expression="'Spanish'"/>
                        <to variable="Spanish"/>
```

```
                </copy>

                <copy>
                        <from expression="'French'"/>
                        <to variable="French"/>
                </copy>

        </assign>

        <sequesnce >
                <recieve name="Language" createInstance="yes"
 variable="Lang"> </recieve>

<if>
        <condition>bpws:getVariableData(Lang) ==
bpws:getVariableData(Spanish)</condition>
                <invoke name="activity1" operation="RequestSpanishDatabase"
inputVariable="Lang" outputVariable="Result1"> </invoke>

<elseif>
        <condition>bpws:getVariableData(Lang) ==
bpws:getVariableData(French)</condition>
                <invoke name="activity2" operation="RequestFrenchDatabase"
inputVariable="Lang" outputVariable="Result1"> </invoke>

</elseif>
<else>
        <invoke name="activity3" operation="RequestEnglishDatabase"
inputVariable="Lang" outputVariable="Result1"> </invoke>

</else>
</if>


<invoke name="activity4" operation="RecieveDatabaseResults" inputVariable="Result1"
outputVariable="Result2"> </invoke>


<invoke name="activity5" operation="Process" inputVariable="Result2"
outputVariable="Result3"> </invoke>

                <reply name="Reply" operation="ReplyToUser" variable="Result3"> </reply>
        </sequesnce>

</process>
```