

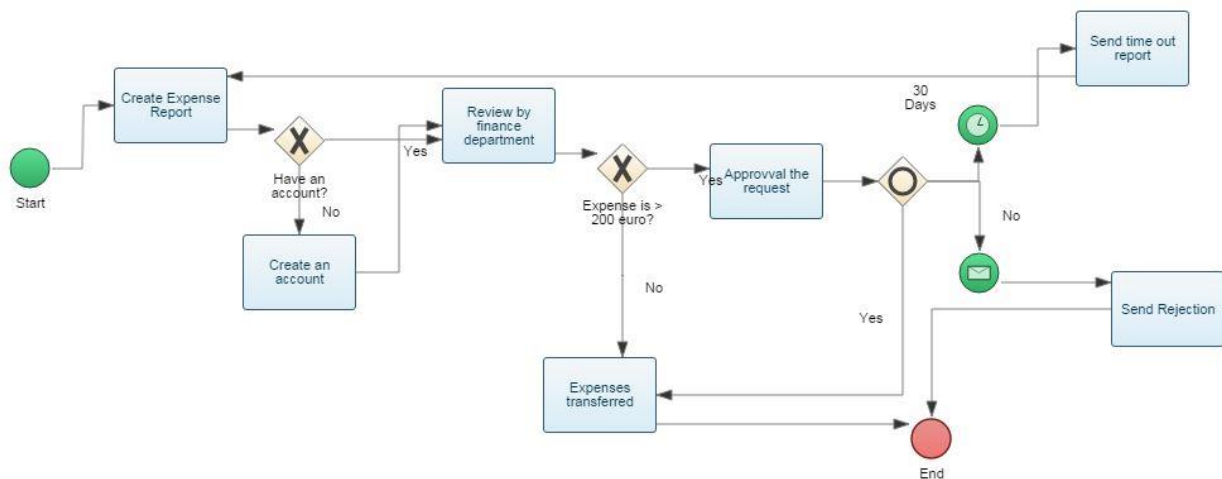
# Exercise #4

Group GOLF:

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## Exercise 1: Text to BPMN:

### Answer:



## **Exercise 2: BPMN to BPEL**

### **Answer:**

```
<process>
  <!-- Partner Links Section: services -->
  <partnerLinks>
    <partnerLink name="sayHelloLang"/>
  </partnerLinks>
  <sequence>
    <!--Receive the initial request -->
    <receive partnerLink="sayHelloLang"
      portType="com:LanguageSelection"
      operation="SelectLanguage"
      variable="LanguageRequest"
      createInstance="yes" />
    <sequence>
      <!-- Select which Language database to use -->
      <switch>
        <case condition="English">
          <invoke name="Request English database"/>
        </case>
        <case condition="French">
          <invoke name="Request French database"/>
        </case>
        <case condition="Spanish">
          <invoke name="Request Spanish database"/>
        </case>
      </switch>
      <sequence>
        <invoke name="Receive database result"/>
        <sequence>
          <invoke name="Process"/>
          <!-- Send a response to the client -->
          <reply partnerLink="client"
            portType="com:LanguageSelection"
            operation="SelectLanguage"
            variable="LanguageSelectionResponse"/>
        </sequence>
      </sequence>
    </sequence>
  </sequence>
</process>
```

```
1 <process>
2   <!-- Partner Links Section: services -->
3   <partnerLinks>
4     <partnerLink name="sayHelloLang"/>
5   </partnerLinks>
6   <sequence>
7     <!--Receive the initial request -->
8     <receive partnerLink="sayHelloLang"
9       portType="com:LanguageSelection"
10      operation="SelectLanguage"
11      variable="LanguageRequest"
12      createInstance="yes" />
13   <sequence>
14     <!-- Select which Language database to use -->
15     <switch>
16       <case condition="English">
17         <invoke name="Request English database"/>
18       </case>
19       <case condition="French">
20         <invoke name="Request French database"/>
21       </case>
22       <case condition="Spanish">
23         <invoke name="Request Spanish database"/>
24       </case>
25     </switch>
26     <sequence>
27       <invoke name="Receive database result"/>
28       <sequence>
29         <invoke name="Process"/>
30         <!-- Send a response to the client -->
31         <reply partnerLink="client"
32           portType="com:LanguageSelection"
33           operation="SelectLanguage"
34           variable="LanguageSelectionResponse"/>
35       </sequence>
36     </sequence>
37   </sequence>
38 </process>
```

Line 40, Column 1 — 40 Lines