

◆ 1. BPMN Model (loan-approval.bpmn)

Here's the BPMN XML file content you can import into **Camunda Web Modeler** (SaaS):

✓ copy the raw XML:

```
<?xml version="1.0" encoding="UTF-8"?>

<bpmn:definitions xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:bpmn="http://www.omg.org/spec/BPMN/20100524/MODEL"
    xmlns:bpmndi="http://www.omg.org/spec/BPMN/20100524/DI"
    xmlns:dc="http://www.omg.org/spec/DD/20100524/DC"
    id="Definitions_1"
    targetNamespace="http://bpmn.io/schema/bpmn">

    <bpmn:process id="loan_approval_process" isExecutable="true">
        <bpmn:startEvent id="StartEvent_1" name="Start Loan Request"/>

        <bpmn:sendTask id="SendTask_1" name="Send Loan Request">
            <bpmn:messageEventDefinition messageRef="loanApplicationRequest"/>
        </bpmn:sendTask>

        <bpmn:receiveTask id="ReceiveTask_1" name="Receive Credit Response"
            messageRef="loanApplicationResponse"/>

        <bpmn:userTask id="UserTask_1" name="Review Loan">
            <bpmn:extensionElements>
                <camunda:formKey
                    xmlns:camunda="http://camunda.org/schema/1.0/bpmn">embedded:app:forms/loan-
                    review-form.html</camunda:formKey>
            </bpmn:extensionElements>
        </bpmn:userTask>
    </bpmn:process>
</bpmn:definitions>
```

```
<bpmn:exclusiveGateway id="Gateway_1" name="Approved?"/>
<bpmn:endEvent id="EndEvent_Approved" name="Loan Approved"/>
<bpmn:endEvent id="EndEvent_Rejected" name="Loan Rejected"/>

<!-- Sequence Flows -->
<bpmn:sequenceFlow id="flow1" sourceRef="StartEvent_1" targetRef="SendTask_1"/>
<bpmn:sequenceFlow id="flow2" sourceRef="SendTask_1" targetRef="ReceiveTask_1"/>
<bpmn:sequenceFlow id="flow3" sourceRef="ReceiveTask_1" targetRef="UserTask_1"/>
<bpmn:sequenceFlow id="flow4" sourceRef="UserTask_1" targetRef="Gateway_1"/>
<bpmn:sequenceFlow id="flow5" sourceRef="Gateway_1"
targetRef="EndEvent_Approved">
    <bpmn:conditionExpression xsi:type="bpmn:tFormalExpression">${approved ==
true}</bpmn:conditionExpression>
</bpmn:sequenceFlow>
<bpmn:sequenceFlow id="flow6" sourceRef="Gateway_1"
targetRef="EndEvent_Rejected">
    <bpmn:conditionExpression xsi:type="bpmn:tFormalExpression">${approved ==
false}</bpmn:conditionExpression>
</bpmn:sequenceFlow>

</bpmn:process>

<bpmn:message id="loanApplicationRequest" name="loanApplicationRequest"/>
<bpmn:message id="loanApplicationResponse" name="loanApplicationResponse"/>

</bpmn:definitions>
```

◆ 2. Angular Form Sample (loan-review-form.component)

loan-review-form.component.ts

```
import { Component, OnInit } from '@angular/core';
import { TaskService } from '../task.service';

@Component({
  selector: 'app-loan-review-form',
  templateUrl: './loan-review-form.component.html'
})
export class LoanReviewFormComponent implements OnInit {
  task: any;
  formData = { approved: true };

  constructor(private taskService: TaskService) {}

  ngOnInit() {
    this.taskService.getCurrentTask().subscribe(task => {
      this.task = task;
    });
  }

  submit() {
    this.taskService.completeTask(this.task.id, {
      variables: {
        approved: { value: this.formData.approved, type: "Boolean" }
      }
    }).subscribe(() => alert("Task completed"));
  }
}
```

```
}
```

loan-review-form.component.html

```
<form *ngIf="task" (ngSubmit)="submit()">

  <p>Applicant: {{ task.variables.applicantName }}</p>

  <p>Amount Requested: {{ task.variables.loanAmount }}</p>


  <label>Approve?</label>

  <select [(ngModel)]="formData.approved" name="approved">

    <option [value]="true">Yes</option>

    <option [value]="false">No</option>

  </select>


  <button type="submit">Submit</button>

</form>
```

◆ 3. Java Client Sample

Here's a standalone snippet using Zeebe Java SDK.

```
ZeebeClient client = ZeebeClient.newClientBuilder()

    .gatewayAddress("your-camunda-cloud.broker-address:443")

    .usePlaintext()

    .build();


// Send message to trigger Receive Task
client.newPublishMessageCommand()

    .messageName("loanApplicationResponse")

    .correlationKey("loan123")

    .variables("{\"creditScore\": 750}")

    .send()
```

```
.join();
```

```
// Start process instance
```

```
client.newCreateInstanceCommand()
```

```
    .bpmnProcessId("loan_approval_process")
```

```
    .latestVersion()
```

```
    .variables(Map.of(
```

```
        "loanId", "loan123",
```

```
        "applicantName", "John Doe",
```

```
        "loanAmount", 50000
```

```
    ))
```

```
    .send()
```

```
    .join();
```
