

Exercise: Set up a simple Flowable environment and deploy a basic BPMN model to familiarize with the platform

Objective:

- To set up a simple Flowable environment and deploy a basic BPMN model to demonstrate how to use the Flowable BPM platform.

Pre-requisites:

- A working Java environment (JDK 8+)
- Maven installed
- A basic understanding of BPMN 2.0 concepts

1.1 Step-by-Step Instructions

1.2 Setting up Flowable

1. **Download Flowable:**
 - Download the Flowable Engine distribution from the [official Flowable website](#).
 - Alternatively, you can use the [Flowable Spring Boot starter](#) for an easier setup.
2. **Start Flowable:**
 - Extract the Flowable Engine zip file and navigate to the folder where the files are extracted.
 - Start the Flowable Engine by running the following command:
`java -jar flowable-engine-rest.jar`
3. **Access Flowable UI:**
 - Once the server is running, open your browser and navigate to `http://localhost:8080/flowable-task`.
 - Log in using default credentials:
 - **Username:** demo
 - **Password:** demo

1.3 Deploying a BPMN Model

1. **Create a Basic BPMN Model:**
 - Use a BPMN modeling tool like [Flowable Modeler](#) to create a simple process.
 - Example: A process with a start event, a task, and an end event.
 - Save your BPMN diagram with a `.bpmn20.xml` extension.
2. **Deploy the BPMN Model:**
 - Log in to the Flowable Admin interface at `http://localhost:8080/flowable-admin` with the credentials:
 - **Username:** admin
 - **Password:** admin
 - Navigate to the **Process Definitions** section.
 - Click on **Deploy New** and upload the BPMN model you created.
3. **Start a Process Instance:**
 - After deployment, go to the **Task Management** section.
 - Start a new process instance and view the task associated with it.

1.4 Verify Process Execution

1. **Monitor Tasks:**

- After the process starts, you should be able to see the tasks in the **Tasks** tab within the Flowable UI.
- You can complete tasks, check their progress, and verify that the process is executing correctly.

2. **Check Logs:**

- You can monitor the Flowable Engine logs for any errors or process execution details.