

# PV207 Best Practice in Process Modelling

Study Guide 2020

Hello students,

This document shall help you navigate around different study materials related to the lecture called “Best Practice in Process Modelling”. Unfortunately, there will not be any live lecture due to the limitations caused by Corona Virus. After you will go through the study materials feel free to contact me via email [dockal.lubomir@gmail.com](mailto:dockal.lubomir@gmail.com) to ask about or discuss any topic mentioned in the materials. In case it gets too complex for an email communication, we could arrange a (conference) call.

The basic structure is defined the PDF presentation PV\_207\_Best\_Practises\_in\_Process\_Design\_2020 which split the lecture into 6 sub-topics. For each sub-topic, there is a chapter in this study guide with related comments and other documents.

## Petri nets

The key message here is to understand the concept of flowing tokens underneath every net, workflow or process. The best way to get familiar with is to play with it.

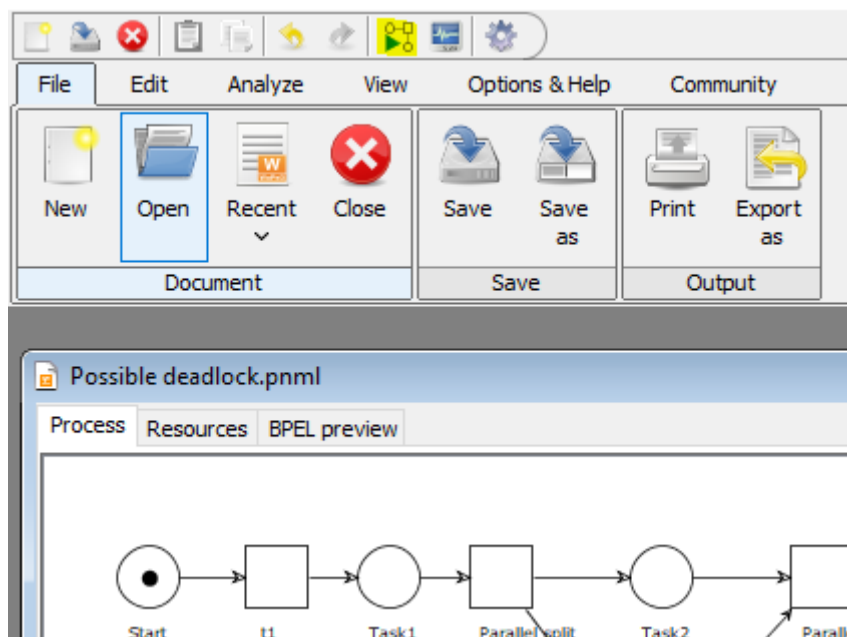
### How to play token game with Petri Net

Download and install Petri Net simulation tool WoPeD on this link:

<https://sourceforge.net/projects/woped/>

Open Petri Nets I have created or create your own petri nets. Basic Petri Nets are in folder: Basic petri nets.

Open Token Game and have fun...



## Best practises introduction

This short chapter is about models and best practices in general. This should be just a reminder of what you should already know from subjects like UML modelling or ITIL service management.

## Basic mistakes in process design

This chapter shows some basic examples of mistakes that should be avoided. Slides are arranged in a way that each case starts with a wrong process. The mistake is not specified to let you guess the mistake. The following slide shows the mistake, so you could check your answer.

## 7 guidelines for better models

This chapter gives a technical look on the art of drawing a process model. It is not about semantic of a process but about its structure. The goal is to make the picture of the process clear, comprehensible or even nice.

For details, read through included document [7\\_Process\\_Modelling\\_Guidelines](#).

## From abstract process to executable one

Describes the tasks each process analyst should do before it passes any business process to development. In other words, there is a big difference between a high-level business process provided by the business representatives and the process which could be developed in a tool like Red Hat Business Process Automation Manager.

## Process redesign, pursuing the desired effect

This is really an interesting topic. In the slides, I have provided only a few redesign techniques, but there is much more in the included document: [Process\\_Redesign](#). Really recommend for reading. It gives you a lot of inspiration on how to design a business process in various situations.

## Training process

Because we could not have the seminar in person, I have prepared a process, which contains many mistakes that are mentioned in this lecture study materials. Your goal is to find all 9 of them. To check your answer, I have also included the correct process. However, there is not only one correct solution, thus there could be many equally correct solutions you will come up with.

In the folder Training process, I have included an image of the process and a binary file for Bizagi modeller of both wrong and correct processes. In addition, there is also a list of mistakes.

## Other Resources

I would also recommend to read through [BPMN 2.0 by Example](#)