

# Development of Business Applications – Przemysław Polak

## Final project

### *The goal of the project*

Strengthening and supplementing the ability to apply the process approach in the business and system analysis.

### *Skills developed by authors*

During the project, students use and consolidate the following skills:

- identification of primary and supporting processes,
- defining main characteristics of business processes,
- describing system's functionality,
- describing system information requirements.

### *Project content*

1. Verbal description of an organization (or its department, functional area, etc.), its objectives and tasks being performed as an introduction to the project. Necessary dictionaries and definitions.
2. A list or a map of processes. Process sheets containing the description of the basic characteristics of the primary and supporting processes.
3. The specification of requirements including:
  - diagrams describing functional requirements for an information system presented using the process approach,
  - the conceptual model of data to be stored in the information system.

### *Comments:*

Process model should be consistent and complete, and in particular must include all supporting processes necessary for performing primary processes.

The process model must contain references to data structures presented in the conceptual data model.

Decomposition of processes within the requirements specification should be brought to the level of elementary functions / processes or indivisible tasks (nomenclature different for individual methods).

In process modeling, you can use EPC diagrams or BPMN diagrams. The use of other notations is possible after consultation with the lecturer evaluating the project.

The conceptual model of data stored in the system can be showed using a class diagram or an entity relationship diagram (ERD).

Diagrams can be drawn using any process modeling tool or CASE tool, e.g. Adonis, Aris, Bizagi, iGraphics, MS Visio, Visual Paradigm, etc. You can use free, non-commercial, time-limited versions made available by vendors, open-source tools, or on-line tools.

The project should be submitted for evaluation personally by the author in a paper version in the form of a single document.