

Specifying requirements for BI system and preparing data sources

Goal

The aim of the task is to define the requirements for the BI system, taking into account data sources and processes defined in the organization. Within the task students simulate the process of collecting requirements for a fictitious organization.

Subtasks for implementation

1. creating the document ProcessesSpecification.pdf, according to the provided template BookProcessRequirements.pdf available at e-course,
2. creating the document RequirementsProcessSpecification.pdf, according to the provided template SalesBookProcessRequirements.pdf available at e-course.

Products

NOTE: All products must be uploaded to Moodle, otherwise they will be treated as not done!

1. Specification of business processes document - ProcessesSpecifiation.pdf (or .doc),
2. Requirements specification document - RequirementsProsessSpecification.pdf (or .doc).

Requirements

1. ProcessSpceification.pdf must define:
 - a. two processes (according to the template),
 - b. two measurable goals.
2. RequirementsProcessSpecification.pdf must define:
 - a. two measurable goals (at least one must concern previous time period)
 - b. two data sources (one relational and one having the selected format: csv, json, excel, etc.) designed in a way allowing to integrate data,
 - c. two analytical problems,
 - d. five queries for each analytical problem, which can be executed basing on data defined in data sources, but to execute at least two of these queries data from both data sources are demanded,
 - e. one query which demands additional data sources, but does not demand changing the business process,
 - f. one query which demands additional data, which can be gathered only by changes in the business processes.

Maximum score - 15 points.