

**MODEL OF A BUSINESS INTELLIGENCE SYSTEM
FOR MANAGING ORDERS
TO SUPPLIERS IN A RETAIL CHAIN**

**Assoc. Prof. Dr Silvia Parusheva
PhD student Daniela Pencheva**

Abstract

The study focuses on some aspects connected with the established trends in the design of business intelligence systems (BIS) that are specialized for use in retail chains for fast-moving consumer goods. There are considered current concepts concerning business intelligence and their application in retail systems for sending orders to suppliers. Modern methods for building a business intelligence module have been used, aimed at increasing the productivity of the retailing system and specifying the product quantities needed for sales. The proposed model has been created with the help of the object-oriented modeling language Unified Modeling Language (UML), associated with the leading trends in the design of business intelligence systems.

There are presented technical diagrams, which illustrate visually the main functionalities of the developed model and show the interaction between the user and the system.

Key words: *design, business intelligence system, retail chains, UML modeling, Business Process Model and Notation (BPMN).*