

The aim of this work is to present a program for automatic generation of thematic crosswords. The program generates a specific type of crossword puzzle, where a few words in columns placed right next to each other create a secret word in a specified row.

The resulting program is in the form of a computer application with a simple graphical environment. The user initially chooses a crossword puzzle topic from the available list. The program then uses a freely accessible WordNet database to generate a crossword puzzle containing words related to the topic. At the same time, it will create a legend for solving the crossword puzzle.

Compared to the original assignment, the current proposal is extended by the possibility to define your own topic. The word database is extended by Slovak WordNet, therefore the user can choose between two languages of words filled in the crossword puzzle.