Poem generator

Installation details

Before running the application make sure that connection string to the database is set correctly in App.config file. By default it’s used (LocalDb)\v11.0 server. Detached files of database are located in App\_Data folder, so in connection string it’s used AttachDBFilename option to attach database files to specified server.

SQL folder contains CreateDatabase.sql (database creation script) and initData.sql (insert data).

App\_Data folder contains PoemDB.mdf, PoemDB.ldf detached database files and **rules.txt** file containing syntax rules description for generating a poem.

The file rules.txt represents the schema of how the different word types should follow in poem line. The file content:

LINE: NOUN|PREPOSITION|PRONOUN

ADJECTIVE: NOUN|ADJECTIVE|$END

NOUN: VERB|PREPOSITION|$END

PRONOUN: NOUN|ADJECTIVE

VERB: PREPOSITION|PRONOUN|$END

PREPOSITION: NOUN|PRONOUN|$END

CONJUCTION: NOUN

All words in this file represent the parts of speech except for two – “LINE” , “$END”. The keyword – “LINE” specifies which kind of words should follow as the first word in the line, “$END” – the part of speech word in the left side (before colon) may be the last in the line.

To work properly, the dictionary table has to contain at least one word with one syllable per each type (part of speech).

If a word in dictionary consists of a single syllable it’s represented as ‘x,-’ symbol in syllables column (as it can be both stressed and unstressed in meter foot).