

ANNOTATION

The aim of this work is developing near-duplicate image detection module, measuring selected method efficiency.

This work consists of 4 sections:

Section 1 is dedicated to topicality analysis of this work, overviewing of existing ways and solutions for solving task. The most popular local descriptors searching algorithms are described over here. Also near-duplicate images detection algorithms based on local descriptors are analysed.

Section 2 describes mathematical foundations of algorithms, choosen for realization of software, what will solve current problem. Included information about BoW model role in a near-duplicate image detection task. System quality criterias are mentioned too.

Section 3 describes software architecrure in detail. Also in this section the reasoning about choosen platform are stated. User case analysis is included here. This section contains user manual for software too.

Section 4 includes costing analysis of created software.