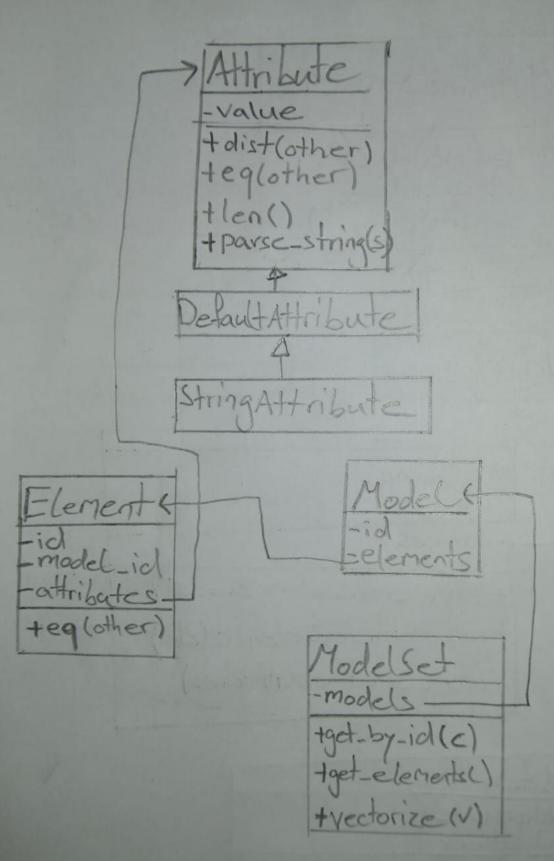


Data-model



Vectorization

Vectorize(ele) + dim()

ZeroOneVectorizer - model-set

MeanCount-Vectorizer

Vectorized ModelSet

-Model-set
-Model-set
-Vectorizer

+get-vec_mat()

+get-vec_index(element)

+get_ele-by_index(index)

Similarity Smilarity -should_match_strategy & +similarity(match) Itshould match (matches, elements) Jaccard Index Weight Metric Should Hatch Strategy. +should_match (sim, matches, eles) GreedyStrategy Threshold Strategy

Cardidate Seasch Candidate Search + search (model set): (andidate se Match Cardidatest NN Candidate Search matches: Ordered Dict - neighbourhood_size +filter(similarity, threshold) vectorizer +sort(similarity) knn-algorithm & thead () + is empty() tolelete (match) KNNAlgorithm-+ set_data(vm_set) +get_neighbours(ele,size) TreeKN -tree-type -similarity -leaf-size - metric

Matching Matching Strateg + match (model-set, candidates, Similarity Greedy Matching Matching -matches +trivial_matching(model_set) + get_motch_by-element (de) + merge_matches (matches) -elements -do-check todd (e) throws Match violation -arc_valid(elements) + mege_matches (matches)