

# CSI2120 Project Part 4 Report

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## Results:

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?-
% d:/My_Things/University/2024_Winter/CSI2120/CSI2120_Project/Part_4/projet24.pl compiled 0.00 sec,
19 clauses

?- similarity_search('q00.jpg.txt',S).
S = [('1144.jpg.txt', 1.0), ('3806.jpg.txt', 0.707453703703704), ('3714.jpg.txt', 0.668431712962963),
('3756.jpg.txt', 0.6620254629629629), ('2462.jpg.txt', 0.6491030092592592)] .

?- similarity_search('q01.jpg.txt',S).
S = [('3588.jpg.txt', 0.5703645833333334), ('2536.jpg.txt', 0.5612557870370372), ('3553.jpg.txt',
0.5365624999999999), ('1875.jpg.txt', 0.5282986111111111), ('2592.jpg.txt', 0.5049710648148149)] .

?- similarity_search('q02.jpg.txt',S).
S = [('1091.jpg.txt', 0.6543518518518519), ('3005.jpg.txt', 0.6425925925925925), ('850.jpg.txt',
0.6293344907407408), ('3728.jpg.txt', 0.6242418981481476), ('1090.jpg.txt', 0.6235821759259258)] .

?- similarity_search('q03.jpg.txt',S).
S = [('1255.jpg.txt', 0.5487037037037037), ('3532.jpg.txt', 0.5420949074074074), ('4507.jpg.txt',
0.5384143518518519), ('692.jpg.txt', 0.5370486111111111), ('4737.jpg.txt', 0.5314583333333334)] .

?- similarity_search('q04.jpg.txt',S).
S = [('1799.jpg.txt', 0.8465046296296298), ('848.jpg.txt', 0.4933969907407412), ('4261.jpg.txt',
0.48906828703703753), ('1800.jpg.txt', 0.47143518518518573), ('1937.jpg.txt', 0.4680844907407411)] .

?- similarity_search('q05.jpg.txt',S).
S = [('2223.jpg.txt', 0.6143576388888888), ('3091.jpg.txt', 0.600127314814815), ('2550.jpg.txt',
0.5303530092592593), ('2883.jpg.txt', 0.5288252314814816), ('2901.jpg.txt', 0.522957175925926)] .

?- similarity_search('q06.jpg.txt',S).
S = [('2278.jpg.txt', 0.7759432870370371), ('2224.jpg.txt', 0.7166724537037039), ('1108.jpg.txt',
0.7126793981481482), ('1917.jpg.txt', 0.6976967592592593), ('3806.jpg.txt', 0.6947453703703705)] .

?- similarity_search('q07.jpg.txt',S).
S = [('2377.jpg.txt', 1.0), ('2379.jpg.txt', 0.7670370370370381), ('2079.jpg.txt',
0.6396643518518528), ('1653.jpg.txt', 0.6341377314814823), ('1896.jpg.txt', 0.6221759259259267)] .
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?- similarity_search('q08.jpg.txt',S).
S = [('2587.jpg.txt', 0.7232407407407411), ('1837.jpg.txt', 0.7008912037037037), ('2586.jpg.txt',
0.6713831018518518), ('1515.jpg.txt', 0.6691203703703702), ('1217.jpg.txt', 0.6679745370370371)] .

?- similarity_search('q09.jpg.txt',S).
S = [('2839.jpg.txt', 0.7902141203703706), ('3414.jpg.txt', 0.509021990740741), ('2617.jpg.txt',
0.45107060185185216), ('4363.jpg.txt', 0.42425347222222224), ('4816.jpg.txt', 0.3847106481481484)] .

?- similarity_search('q10.jpg.txt',S).
S = [('2976.jpg.txt', 0.7448495370370369), ('2971.jpg.txt', 0.6602488425925924), ('3108.jpg.txt',
0.6443113425925927), ('2194.jpg.txt', 0.6412557870370371), ('4118.jpg.txt', 0.6342650462962963)] .

?- similarity_search('q11.jpg.txt',S).
S = [('3017.jpg.txt', 0.6110358796296295), ('3660.jpg.txt', 0.5757696759259258), ('2411.jpg.txt',
0.5699594907407404), ('1010.jpg.txt', 0.5557928240740737), ('2067.jpg.txt', 0.5535937499999998)] .

?- similarity_search('q12.jpg.txt',S).
S = [('3135.jpg.txt', 1.0), ('3133.jpg.txt', 0.6417650462962964), ('2447.jpg.txt',
0.5733854166666665), ('4429.jpg.txt', 0.5432870370370372), ('2964.jpg.txt', 0.5123495370370371)] .

?- similarity_search('q13.jpg.txt',S).
S = [('3225.jpg.txt', 1.0), ('2083.jpg.txt', 0.4948726851851856), ('2082.jpg.txt',
0.49453703703703766), ('2078.jpg.txt', 0.48898148148148185), ('2607.jpg.txt', 0.47237847222222235)] .

?- similarity_search('q14.jpg.txt',S).
S = [('2193.jpg.txt', 0.44631365740740736), ('3108.jpg.txt', 0.38057291666666665), ('3318.jpg.txt',
0.37972800925925926), ('4028.jpg.txt', 0.3712037037037037), ('3085.jpg.txt', 0.37054398148148143)] .

?- similarity_search('q15.jpg.txt',S).
S = [('4756.jpg.txt', 0.7374768518518517), ('2462.jpg.txt', 0.7236631944444444), ('3756.jpg.txt',
0.6971238425925922), ('908.jpg.txt', 0.6936805555555556), ('3675.jpg.txt', 0.6923726851851849)]
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