Near-duplicate page detection reports:

My code for testing it: (you can find it on LSH.py)

Code:

```
if __name__ == '__main__':
    docs = []
    title to id = {}
    with open(project root+'/Logic/core/LSHFakeData.json') as f:
        docs = json.load(f)
    summaries = []
    for doc in docs:
        temp = doc['summaries']
        summary = ''
        for t in temp:
            summary += ' ' + t
        summaries.append(summary)
        title_to_id[len(summaries) - 1] = doc['title']
    with open(project_root+'/data/IMDB_Crawled.json') as f:
        docs = json.load(f)
    for doc in docs:
        temp = doc['summaries']
        summary = ''
        for t in temp:
            summary += ' ' + t
        if summary == '':
            continue
        summaries.append(summary)
        title_to_id[len(summaries) - 1] = doc['title']
    num hashes = 625
    min_hash_lsh = MinHashLSH(summaries, num_hashes)
    buckets = min hash lsh.perform lsh()
    print_buckets = []
    print("Buckets:")
    for bucket_id, bucket in buckets.items():
        if len(bucket) > 1 and bucket not in print_buckets:
            print buckets.append(bucket)
    print_buckets.sort(key=lambda x: x[0])
    for i, bucket in enumerate(print_buckets):
        print(f"Bucket {i+1}:\t", end='')
        for j, doc_idx in enumerate(bucket):
            print(f'{title_to_id[doc_idx]}(index={doc_idx})', end=' ')
            if j != len(bucket) - 1:
                print('- ', end='')
        print()
    min_hash_lsh.jaccard_similarity_test(buckets, summaries)
```

Outputs:

```
Buckets:
                test1(index=0) - test2(index=1)
Bucket 1:
                test13(index=12) - test14(index=13)
Bucket 2:
                test15(index=14) - test16(index=15)
Bucket 3:
Bucket 4:
                test17(index=16) - test18(index=17)
Bucket 5:
                test19(index=18) - test20(index=19)
Bucket 6:
                Unforgiven(index=167) - 30 Days of Night(index=1326)
Bucket 7:
                Die Hard with a Vengeance(index=402) - I Am
Legend(index=2250)
                Doctor Who: The Fifth Doctor Adventures(index=481) - Doctor
Bucket 8:
Who: The Sixth Doctor Adventures(index=1604)
                The Batman Part II(index=1252) - We Live in
Bucket 9:
Time(index=2149)
your final score in near duplicate detection: 0.9523809523809523
```