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# Recommendation engine using collaborative filtering.

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## 1 DESCRIPTION

I am planning to build a recommendation engine. There are multiple ways of developing a recommendation engine which are content-based, collaborative filtering, matrix factorization, and deep learning. Out of all of these, I am planning to use collaborative filtering. The dataset I am planning to use is MovieLens dataset which has 27,000,000 ratings and 1,100,000 tag applications applied to 58,000 movies by 280,000 users . I'm planning to use LSH(Locality sensitive hashing) for the initial grouping in order to reduce the number of computations. In addition to that, I am planning to use Map Reduce to parallelize the processing of clusters generated by the LSH.