

MoSIS Assignment 1

Requirements Checking

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1 Admin

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2 Scope

We would like to make a recipe matching program. The goal of this program is to allow the user to insert some ingredients, where the program will try and match those ingredients as good as possible with recipes. An extension to this can be the addition of some sort of recommendation system, using reviews for those recipes.

To implement this, we would like to match our user's rating to the ratings of other people to recommend other dishes they liked as well to our user.

3 Resources

- We will make use of datasets that are publicly available on the internet
- [Food recipes dataset with reviews \(link\)](#)
- We plan on using algorithms from the lecture notes, and expand on those when needed.
- Our current plan is to make use of Pandas and Numpy

4 Literature

Yet to be determined. We assume we will encounter the need to use other literature while working on the assignment, and look for resources at that moment.

5 Evaluation

As far as our understanding goes, we can use the video game dataset with ground-truth labels (as mentioned in the assignment) to test out implementation as well, if we do it in a smart way.

We would also like to compare our program to [supercook.com](#), since we know that is the golden standard as far as recipe retrieval goes.

6 Alternative

Since we do not know whether this project idea is viable, we have also thought of an alternative idea. This alternative idea is to make a recommendation system for games, where we would like to use similar resources as in our current project proposal.