WishDish: “Recipe Prediction using K-Medoids Clustering Technique for Big Data Analytics”

Abstract

The project involves developing a web application called “WishDish” which proves as a one-stop destination for shopping food items, getting recipe suggestions for those food items and planning daily meals for the week on a calendar, all at one place. Recipe suggestions will be made using k-medoids clustering technique on weighted recipes. Aim is to make relevant and distinct recipe suggestions for food items bought every day. A part of this project also involves evaluating performance of the application based on the algorithm used, for different database sizes and accuracy, using R.

References

2. Sakuntala Gangaraju, “Recipe Suggestion Tool”.
4. Ji-Rong Wen, Jian-Yun Nie, Hong-Jiang Zhang, “Clustering User Queries of a Search Engine”.
5. https://grocermax.com

Index Terms

Computer Science
Information Sciences

Keywords

Big data, data analytics, k-medoids, recommendation system, recipe suggestions, food shopping, food planning, meal planning.