

Food Recipe Recommender System

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ABSTRACT

Food refers to any material that taken by humans to give nutritional support to their body. Every type of food must have a recipe on how to cook it. Today, there are various culinary applications or websites that can be used to search recipes based on a term, such as the name of a food item or the style of cuisine. But the problem is, people need to expand an effort towards planning their daily menu. Those problem were faced by everyone who has a huge responsibility and role in the family. This project objectives are to design and develop a food recipe recommender system using collaborative filtering technique. This project focused on all people, especially for the housewives. This project was done to help the housewives in preparing the food for their family. The research methodology that been used in this project was Waterfall Model, which have six phases, which is planning phase, analysis phase, design phase, development phase, testing phase, and system maintenance and documentation phase. Moreover, the development of the design and user interface was using the PHP framework. The database of the system was using SQLite3. The evaluation of the project was using User Acceptance Test (UAT) and functionality testing. The findings indicated that by using the system, it helps the user to learn about new recipes that can be serve to the family and friends. To conclude, by learning new recipe can also improve their cooking skills.

Keywords: Food recipes, Waterfall model, User Acceptance Test, Functionality testing