Universiti Teknologi MARA

Recipe Recommendation System

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CHAPTER 1

INTRODUCTION

1.1 Problem Statement

Food is complicated areas of recommendation technology, but the need for systems to help users to decide on for the suitable recipe is now required. Recipe Recommendation System is application that can display the appropriate recipe to the user by recommending recipes based on the user previous rating. Such as, user like to try the spicy recipes. Hence, the system will suggest a lot of recipe that spicy based on other user ratings. This application also show a different recipe which lead to a various choice of recipe to choose.

Many people have difficulty selecting a suitable or good recipe to prepare because there are so many kinds of recipes. In order to establish a recipe that suit their taste, the selection of recipes is very important. This system also very suitable for people who want to find a healthy recipe because users can custom their recipe based on the ingredient they can to avoid. For example, users who want to eat healthy food usually eliminate oil in their food. Hence, the system will display a list of recipe that not uses oil in the recipe. Currently, the percentage of people that became obese is high. Obesity is a disorder in which the quantity of body fat or an unhealthy amount of body fat is harmful to a person (Jacquelyn Cafasso, n.d.). This increases the chances of many major health problems (Jacquelyn Cafasso, n.d.). Therefore, by using this recipe recommendation system, people can stay healthy because this system can provide a healthy recipe based on the user preferences. Furthermore, this system is not only beneficial to people who want to eat healthy, it's also for some people who want to avoid

some type of ingredient because of what they belief. For example the Muslims, who live a pork and alcohol free due to religion and belief.

Less and fewer people now have time to cook with confidence (Yap Lee Leng, 2010).The recommendation system is a more efficient and convenient way to help people search for food and cook from recipes (Yap Lee Leng, 2010).Unfortunately without a recipe recommendation system, user would browse through different blogs and takes too much time. In addition, some recipes available on the internet has the ingredient that user cannot consume. Furthermore, it's hard for certain individuals who want to prepare a different meal every day. It is also a challenging task to think about what to cook. Parents need to change the menu every day to attract children to eat (Yap Lee Leng, 2010). This would lead to a waste of time, because in order to get the desired recipe, the user needs to visit multiple blogs. Furthermore, since it takes a lot of time to locate an acceptable recipe, this action would also use a significant amount of internet data.

Therefore, this project intends to develop a mobile app that is more or less the same as Kuali application. Unfortunately, Kuali Application does not have features where user can choose some of ingredient to avoid. This will make user waste their time because they need to find a suitable recipe based on their preference. Kuali applications have a lot of interesting recipe but some of them are not acceptable for some of the user. Recipe Recommendation System will be a very suitable for all users because this system will search for an ideal recipe, which means people, may avoid wasting time or internet data.