

Application Idea: Chef Cooking

Motivation:

Nowadays, people like to cook at home for fun or healthy diet. Especially for students like me, we try to cook at home for budget. However, most people are not professional cook and they need recipe to find the right way to cook. In my case, I need to remember all the steps before cooking or use my iPad while cooking. There are plenty of cooking applications now but it would be awkward when I use iPad with my dirty hand during cooking. Therefore, I think the application with voice assistant would be a great solution. During cooking, if I meet the difficulties and want to see the recipe, I could directly ask the app by speaking instead of touching the screen. Moreover, if I want to note my special recipe, I also could take notes via speaking instead of typing. Hence, this application will help a lot for every cook.

Design:

The inputs of this application are the questions and comments from users. In the application database, there will be numerous recipes from professional chef and app users. The language process could handle the questions or comments from user and provide proper solutions to users. First, the process should analyze the questions because the questions could be various. For example, the process might need to indicate which steps the users ask. After parsing the questions, there will be two response modes: at first mode, the process would respond the request with one certain recipe. At second mode, the process would go through all recipes and give comprehensive comments for user. After finding the answers, the voice assistant will translate the text into speech and is the output of this application. If users want to take notes of their formulation, the process will transform the speech into text and be the notes.

Analysis:

It would be easy when the question is only asking for the app to narrate the specific steps because the voice assistant may only parse the request like "Please tell me the fifth step of this steak recipe." and find the fifth step for user. However, if the user ask more complicated question such as "How long should I fried the chicken?", the process need more efforts to parse the question and find the corresponding solution from the recipes. Though I would like to have a general solution app, the questions may still be limited with some key words. And though I want to have comprehensive solutions from numerous recipes, the process may not give the best or related advise. Alternatively, I think podcast or audio book of the recipe could be the easier solutions though it is not that customized. If this application were put into use, it could let the professional and amateur cook more convenient and efficient during cooking process. And even more hygiene because we will no longer put our dirty fingers on our iPad!