

Problem Solving (A3) Report

1. Identify a Problem	PLAN
<ul style="list-style-type: none">• People sometimes have a hard time deciding what to eat.• Some people don't know how to cook certain things or want to learn to cook in general.	
2. Set the Target	PLAN
<ul style="list-style-type: none">• The goal is to create an application that can recommend people things to eat, as well as helping them cook recipes properly.	
3. Analyze the Causes	PLAN
<ul style="list-style-type: none">• People sometimes are overwhelmed by the amount of choices they have, making it hard to decide what to eat.• People sometimes are unaware of the choices they have available to eat.• Not everybody knows how to cook.	

Topic: Cooking/M meal Assistant

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4. Propose & Implement Countermeasures	PLAN/DO
<ul style="list-style-type: none">• We will provide the user an extensive database with recipes they can follow. Each recipe will include tags based on the ingredients, cooking methods and/or time required for preparation, making it easier for the user to search for something of their liking.• The user will also have personalized meal recommendations for each day based on their preferences (ingredients they like, favorite food, etc.).• To assist cooking, full recipe instructions are supplied, along with helpful tips like measuring equivalents and such. (1 cup = 8oz, and so on (?))	
5. Check/Evaluate	CHECK
<ul style="list-style-type: none">• By providing the users recommendations, we can facilitate the process of picking meals.• By providing cooking instructions, the user can improve their cooking skills and possibly try new foods.	
6. Act and/or Standardize	ACT
<ul style="list-style-type: none">• To ensure this process stays consistent, the algorithm for the meal suggestions should be optimized regularly to keep the recommendations interesting and desirable(?).• To provide the user with more options, data should be collected, such as a recipe or meal's popularity both by total count and region-based (info used to categorize, i.e. if someone wants food from PR, searching "PR" would provide foods native to this region).	