

## A3 Problem Solving

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**Topic:** What to Cook

<b>1. Identify the Problem</b> People often return to their homes to cook and find themselves without the necessary ingredients to cook what they had in mind. Moreover, people only know a handful of recipes and do not know substitutes for certain ingredients. Additionally, when people want to try new meals, they are forced to go to the supermarket to find all the necessary ingredients. When they do not want to do the previous statement, they are forced to waste money buying food from a fast food or restaurant.	<b>4. Propose and Implement Countermeasures</b> Web Application that helps you in the decision of what to cook while wasting the minimum amount of money. <ul style="list-style-type: none"><li>- The person indicates the web app what ingredients they have in their home.</li><li>- The web app determines the best meals that can be done with the given ingredients and gives suggestions of what the ingredient could be a good substitute for.</li></ul>
<b>2. Set the Target</b> <ul style="list-style-type: none"><li>- People learn new recipes and meals.</li><li>- People make the most of what ingredients they have in their homes.</li><li>- People learn of possible substitutes on certain ingredients.</li><li>- People waste fewer money buying food from outside or buying more ingredients in the supermarket.</li><li>- Food does not expire and get thrown out.</li></ul>	<b>5. Check/Evaluate</b> <ul style="list-style-type: none"><li>- We can test it by choosing random ingredients and see all the possible recipes web app provides us.</li><li>- Also, by seeing the suggestion the web app provides for certain ingredients.</li><li>- The person chooses a recipe, cooks the meal, rates it and gives his opinion.</li></ul>
<b>3. Analyze the Causes</b> Problem: People waste too much money on food. Why: They buy food from a fast food or restaurant or ingredients in a supermarket. Why: They do not know what to cook. Why: They only know a few recipes and do not have the necessary ingredients nor know their substitutes. Root Cause: Lack of knowledge in recipes and what foods to combine with what you have.	<b>6. Act and/or Standardize</b> With more people joining and using the app, more new recipes will be used, and more rating and opinions will be made. This will help in the decision of recipes by having the better rated ones first on the search. Additionally, the web app will constantly update with more recipes for people to use and learn.