

# **CreateTech**

## **Task 1:**

### **Problem Statement:**

Meal planning and grocery shopping are common struggles for many people. It takes too much time for them, and they frequently wind up buying ingredients they don't need or forgetting necessary products. Furthermore, it might be difficult to come up with new meal ideas, which results in dinners that are boring and repetitious.

Firstly, I think it is safe to think that no one can dispute that food is really expensive nowadays, which is problem number one. This should generate a recipe Based on the ingredients the user has on hand, we can maybe call it the "Budget-Friendly Recipe app" since it will help users find mouth-watering and affordable recipes.

### **Requirements at a high level:**

1. The users type in the ingredients they currently have on hand.
2. The app provides recipes that call for certain ingredients.
3. Dietary data and serving sizes for every recipe.
4. Shopping list generation for missing ingredients.
5. The application should be location based to allow ease of shopping and include affordability.
6. The application should also take the user's dietary requirements into consideration.

### **Advantages:**

1. Users can discover recipes that use inexpensive products, lowering purchasing costs.
2. The software can provide nutritional data for each recipe, assisting users in making educated meal decisions.
3. Users can learn how to prepare new dishes using budget-friendly ingredients, expanding their cooking skills.
4. Users who consistently use the app to plan budget-friendly meals can experience cumulative savings over time.
5. By maximizing the use of foods already in their kitchens, the app helps consumers reduce food waste.
6. Meal planning is made easier for users by the quick discovery of recipes that use the ingredients they already have at home

### **Solution Overview:**

Our panacea is a revolutionary mobile app that effortlessly blends meal suggestions with supermarket purchasing. Users may simply find what they need by exploring a large inventory of food items, making shopping lists, and organizing their purchases in a virtual shopping cart. This application is remarkable because it goes beyond simply listing objects. It makes meal planning simple by providing recipe suggestions based on the item's customers have in their cart.

Basically, our app makes everything easier, from making a shopping list to cooking delectable meals. It is a one-stop shop for busy people and families that want to simplify the process of food shopping and dinner preparation.

