# Customer requirement

Client wants to build a software where customers can order specific food and it be delivered to their intended person.

Customers access the Cloud Kitchen platform through an app or website

They can browse through various ingredients, recipes, and cooking techniques inside a virtual kitchen environment using AR/VR interfaces.

* Customers should see a replica of the selected kitchen environment
* They should be able to interact with the ingredients and such
* They should be able to see the food cooking in real time

They can mix and match ingredients, adjust portion sizes, and customize the meal according to dietary preferences, allergies, or cultural preferences.

* Matching ingredients can be done by creating tools such as weighted measuring cups that try to recreate the customers choice
* Customers enter their preferences, allergies and dietary restrictions and or requirements into the app/software when creating an account.
* The software/website can disable or restrict select items from being selected by the customer if it is in violation of the customers dietary restrictions or allergies

Food will be prepared remotely in the location closest to intended recipient

* The recipient should have the app/software installed such as to track where the recipient of the food delivery is
* Software should automatically locate the person they are requesting to send the order to (since the application / software is installed on their phone/computer it should track their location) or at least send a request to track their location

Using this software they can check the availability of the ingredients and recipes that can be made using those ingredients using the cloud kitchen

* Ingredients must be restocked on a regular basis

Customer should be able to refund the order if the customer is not satisfied

Payments should be made easily using the countries local/ national online banking services

* Use visa or mastercard portals as well
* On delivery cash

Stock keeping of the inventory of each of the cloud kitchens

**Developer requirements**

FIGMA PROTOTYPE

Color palette finalizing

Functional Requirements:

1. Recipe Management:

Users can search for recipes by various criteria (e.g., cuisine, dietary restrictions, ingredients).

Ability to import recipes from external sources (websites, cookbooks).

Users can create and save their own recipes with options for adding notes, instructions, and images.

Allow users to create meal plans with options for scaling recipes and generating shopping lists.

2. Ingredient Management:

Integrate with grocery delivery or online grocery stores for seamless ingredient purchasing.

Users can create and manage a virtual pantry to track existing ingredients and plan meals based on availability.

Ability to set expiration reminders for ingredients in the pantry.

Generate shopping lists based on selected recipes or missing pantry items.

3. Cooking Guidance:

Step-by-step recipe instructions with clear and concise language.

Include timers for each recipe step to ensure proper cooking times.

Integrate with instructional videos for complex techniques or visual learners.

Option for voice-activated commands for hands-free cooking guidance.

4. Personalization and Learning:

Users can customize preferences including dietary restrictions, allergies, and favorite cuisines.

The software recommends recipes based on user preferences, past cooking history, and pantry inventory.

Ability for users to rate and review recipes to personalize recommendations and build a community.

5. Additional Features:

Kitchen timer functionality.

Unit conversion tool for recipe ingredients.

Nutritional information for recipes.

Incorporate healthy meal planning options.

Technical Requirements:

The application should be accessible on various devices (desktop, mobile, tablet).

Consider an offline mode for accessing saved recipes and shopping lists.

The user interface should be intuitive and user-friendly for cooks of all experience levels.

Ensure data security for user information and recipe data.

Further Considerations:

Explore integration with smart kitchen appliances for a more connected cooking experience.

Implement gamification elements to encourage users to explore new recipes and cuisines.

Consider incorporating a social aspect allowing users to share recipes and cooking experiences.