

# Project3 Design Doc

## Project Description

CookBook is a web-based recipe management application that helps users organize their cooking process from recipe browsing to grocery shopping. The application features a clean, user-friendly interface with four main sections: a recipe list for browsing available dishes, a recipe creation tool for adding new recipes, a smart shopping list that compiles ingredients from selected recipes, and a community suggestions section for user feedback. CookBook aims to streamline meal planning by allowing users to browse diverse recipes with detailed preparation times and ingredients, add their own recipes with organized ingredient management, automatically generate shopping lists based on selected recipes, and engage with the community through suggestions.

## User Personas

- **Amanda, 35, Busy Parent**

- Working mother of two young children
- Has limited time for meal planning and grocery shopping
- Wants to prepare nutritious meals efficiently
- Needs to organize shopping trips to save time
- Comfortable with technology but prefers intuitive interfaces

- **Carlos, 28, Young Professional**

- Lives alone and is learning to cook
- Wants to expand his recipe repertoire
- Often forgets ingredients when shopping
- Looks for quick recipes with clear instructions
- Tech-savvy and appreciates modern digital tools

- **Elaine, 62, Retired Home Cook**

- Experienced cook with many personal recipes
- Wants to digitize and organize her recipe collection
- Enjoys sharing recipes with family and friends
- Sometimes struggles with remembering all ingredients for grocery trips
- Moderately comfortable with technology

- **Raj, 42, Health-Conscious Fitness Enthusiast**

- Follows specific dietary guidelines
- Carefully tracks nutritional content
- Plans meals for the week ahead
- Prefers recipes with healthy ingredients
- Uses multiple apps to manage his fitness and nutrition

## **User Stories**

- **Recipe Browsing**

- As a user, I want to browse recipes with images so I can quickly find dishes that appeal to me.
- As a user, I want to see preparation time for each recipe so I can plan my cooking schedule.
- As a user, I want to view detailed ingredients lists so I know what I need for each recipe.
- As a user, I want to filter recipes by type so I can find options that match my current preferences.

- **Recipe Management**

- As a user, I want to add new recipes with detailed information so I can build my personal collection.
- As a user, I want to upload photos of my dishes so I can visualize my recipes.
- As a user, I want to organize ingredients by quantity and unit so my recipes are precise.
- As a user, I want to delete recipes I no longer need so my collection stays relevant.

- **Shopping List Features**

- As a user, I want to add recipe ingredients to my shopping list with one click so I can shop efficiently.
- As a user, I want to see a consolidated shopping list that combines ingredients from multiple recipes.
- As a user, I want to see quantities and units for each item so I buy the correct amounts.
- As a user, I want to reset my shopping list after shopping so I can start fresh for the next week.

- **Community Engagement**


- As a user, I want to submit suggestions for app improvements so the app can better meet my needs.

- As a user, I want to view suggestions from other users so I can see community feedback.

## Mock Up


CookBoQ
HomePage Recipes Page Shopping Suggestions

### Recipe List




**Spinach and Feta Stuffed Mushrooms**

Large mushrooms filled with creamy spinach and feta mixture  
⌚ 35 mins




**Mediterranean Quinoa Salad**

Nutritious salad with quinoa, fresh vegetables, and feta  
⌚ 25 mins




**Stuffed Bell Peppers**

Bell peppers stuffed with seasoned rice and ground beef  
⌚ 50 mins




**Vegetable Stir Fry**

Quick and healthy vegetable stir fry with soy ginger sauce  
⌚ 20 mins



**Lemon Blueberry Pancakes**

Fluffy pancakes with fresh blueberries and lemon zest  
⌚ 25 mins



**Thai Green Curry**

Fragrant and spicy Thai curry with coconut milk  
⌚ 40 mins

### Add New Recipe

Name:\*

Description:

CookTime (mins)\*  
30

Recipe Image  
Choose File No file chosen

Ingredients\*

Ingredient name  
Amount Unit (g, kg, etc.)

+ Add Ingredient

Cancel Add Recipe

### Recipe List

CookBoQ
HomePage Recipes Page Shopping Suggestions

### This Week Shopping List

**This Week Recipes**

Garlic Butter Shrimp Pasta

**Shopping List**

pasta - 250 g  
shrimp - 300 g  
butter - 50 g  
garlic - 10 cloves  
lemon juice - 1 pc.  
heavy cream - 120 ml  
parsley - 15 g  
salt - 5 g

Reset

### Suggestions

Please Submit Your Suggestions

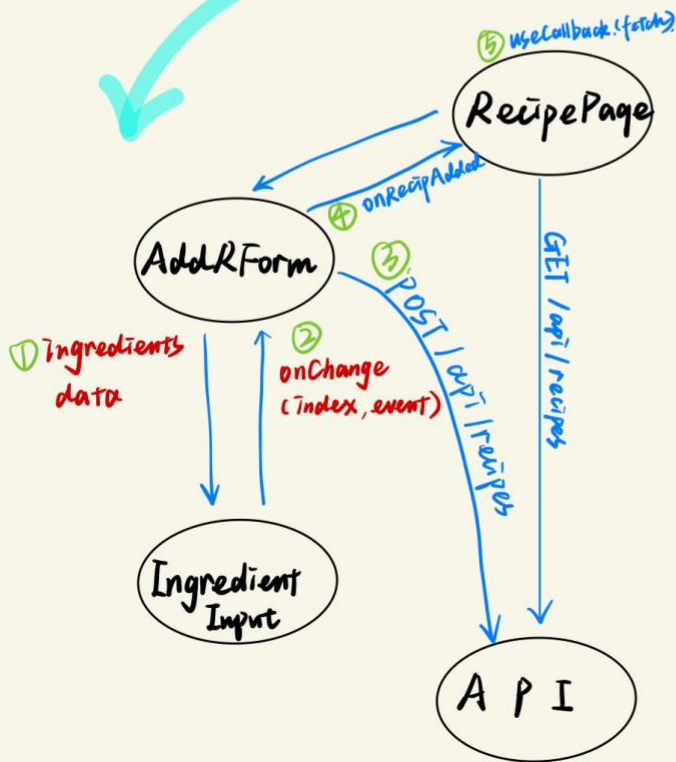
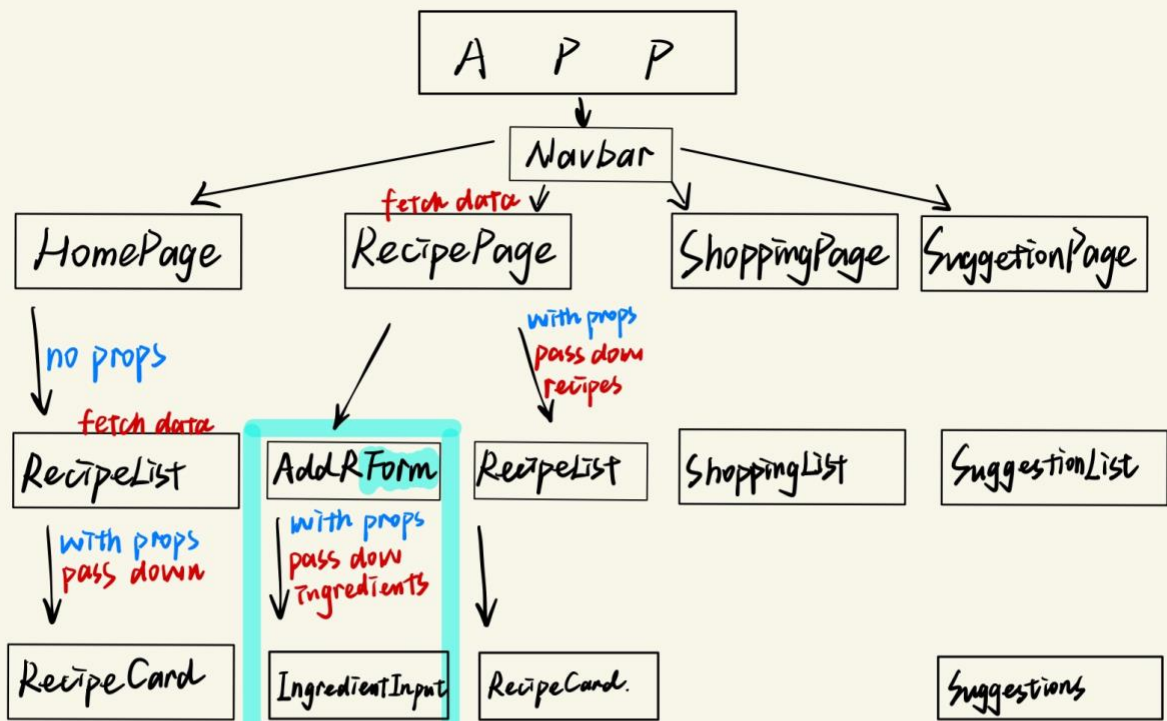
Your name:

Suggestion:

Submit

### Community Suggestions

123	3/12/2021	1	3/12/2025
123		test	



# HomePage

Navbar

~~LINKTO~~ ~~LINKTO~~ ~~LINKTO~~ ~~LINKTO~~  
[HP](#) [RP](#) [SLP](#) [SP](#)

## Recipe List.

### Recipe Card

Name	
Image	
time	description
Ingredients	
<div></div>	
<div></div>	
<a href="#">Add to SP</a>	<a href="#">Delete</a>

### Recipe Card

Name	
Image	
time	description
Ingredients	
<div></div>	
<div></div>	
<a href="#">Add to SP</a>	<a href="#">Delete</a>

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### Recipe Card

Name	
Image	
time	description
Ingredients	
<div></div>	
<div></div>	
<a href="#">Add to SP</a>	<a href="#">Delete</a>

Footer.

## RecipePage

### Add Recipe Form

Name

Description

CookTime

RecipeImage

Ingredients Inputs

<input type="text" value="Name"/>	<input type="text" value="Amount"/>	<input type="text" value="Unit"/>	<input type="button" value="+"/> <input type="button" value="-"/>
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<input type="text" value="Name"/>	<input type="text" value="Amount"/>	<input type="text" value="Unit"/>	<input type="button" value="+"/> <input type="button" value="-"/>
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<input type="text" value="Name"/>	<input type="text" value="Amount"/>	<input type="text" value="Unit"/>	<input type="button" value="+"/> <input type="button" value="-"/>
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### Recipe List

Recipe Card

<input type="text" value="Name"/>	
<input type="text" value="Image"/>	
<input type="text" value="Time"/>	<input type="text" value="Description"/>
<input type="text" value="Ingredients"/>	
<input type="button" value="Add to list"/>	<input type="button" value="Delete"/>

Recipe Card

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<input type="text" value="Ingredients"/>	
<input type="button" value="Add to list"/>	<input type="button" value="Delete"/>

Footer

ShoppingList

This Week Recipes

RecipeName

Description

RecipeName

Description

RecipeName

Description

RecipeName

Description

Shopping List

Ingredient - unit

Ingredient - unit

Ingredient - unit

Ingredient - unit

Total : XXX

Refresh

Delete

Suggestions Page

Submit Form.

Name

Suggestion.

Community Suggestions