


The background of the image is a collage. On the left, there is a close-up of a light blue ceramic bowl filled with white flour. A single egg yolk is cracked into the flour, creating a bright yellow spot. To the right of the bowl, there is a piece of white, crumpled paper. Overlaid on the right side of the image is a large, light beige rectangular area that serves as a background for the text. At the top of this beige area, there is a small, horizontal strip of brown, textured paper. At the bottom right corner of the beige area, there is a small, rectangular piece of fabric with a colorful pattern of red, yellow, and white, featuring black 'X' marks.

INTELLIGENT AI COOKING ASSISTANT

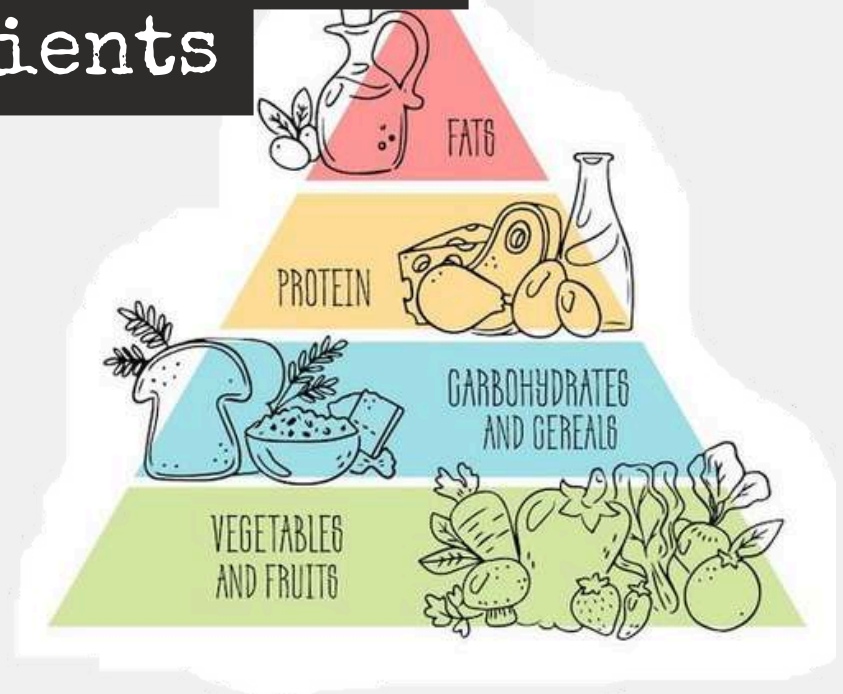
The background of the image consists of several slices of kiwi fruit, showing the green flesh and black seeds. A central, rectangular piece of light-colored, textured paper is placed over the kiwi slices. This paper has a torn, deckle edge and is held in place by four pieces of white, grid-patterned tape at its corners. The word "INTRODUCTION" is printed in a large, bold, black, sans-serif font in the center of the paper.

INTRODUCTION

As humans, we need to eat every day, but eating is much more than just consuming food. It's important to understand the nutrients we're consuming and to know which foods are healthy. More importantly, we always strive to eat something extremely delicious.

Cooking is a complex system that involves various components, interactions, and variables.





learning about food
nutrients



cooking




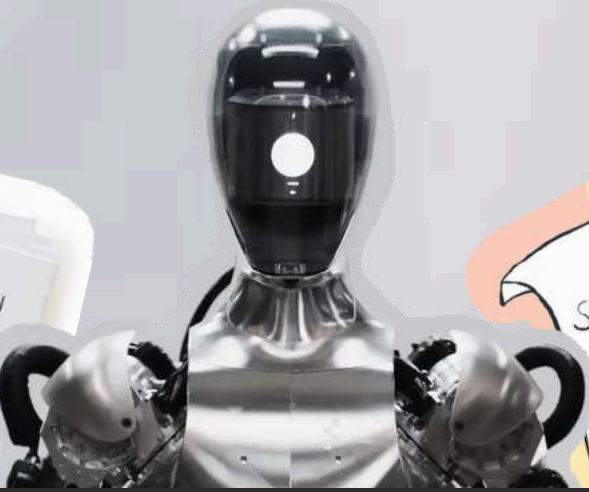
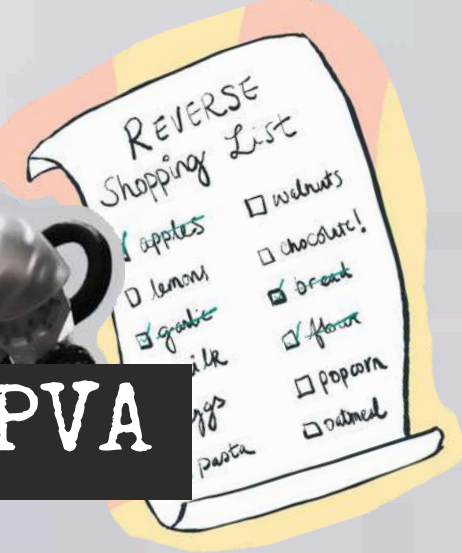
delicious food

analysis of the cooking system




scope

desing an PVA

The background of the image consists of several slices of kiwi fruit, showing the green flesh and black seeds. A central, rectangular, light beige paper note is pasted onto the kiwi slices. The note has a slightly textured appearance and is held in place by four pieces of white, grid-patterned tape at its corners. The text "SYSTEM ANALYSIS" is written in a bold, black, sans-serif font on the note.

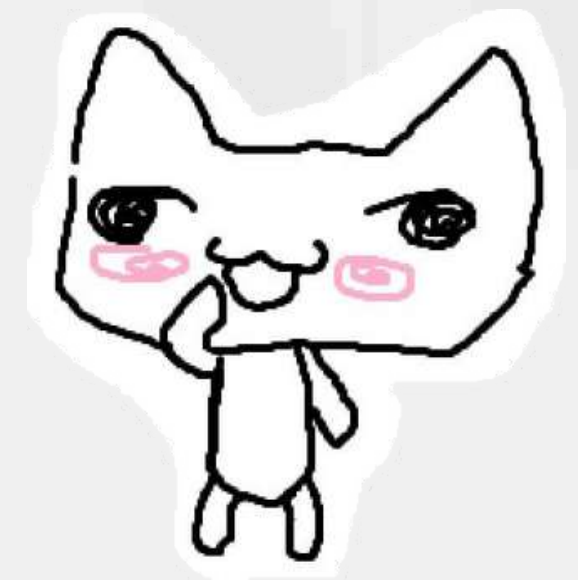
SYSTEM ANALYSIS

Components of the Cooking System



Nutrition Facts			
3 servings per container			
Serving size		3 pretzels (28g)	
Calories	Per serving	Per container	
	110	330	
	% DV*	% DV*	
Total Fat	0.5g 1%	1.5g	3%
Saturated Fat	0g 0%	0g	0%
Trans Fat	0g	0g	
Cholesterol	0mg 0%	0mg	0%
Sodium	400mg 17%	1200mg	52%
Total Carb.	23g 8%	69g	24%
Dietary Fiber	2g 7%	6g	21%
Total Sugars	<1g	3g	
Incl. Added Sugars	0g 0%	0g	0%
Protein	3g	9g	
Vitamin D	0mcg 0%	0mcg	0%
Calcium	10mg 0%	30mg	2%
Iron	1.2mg 6%	3.6mg	18%
Potassium	90mg 0%	270mg	5%

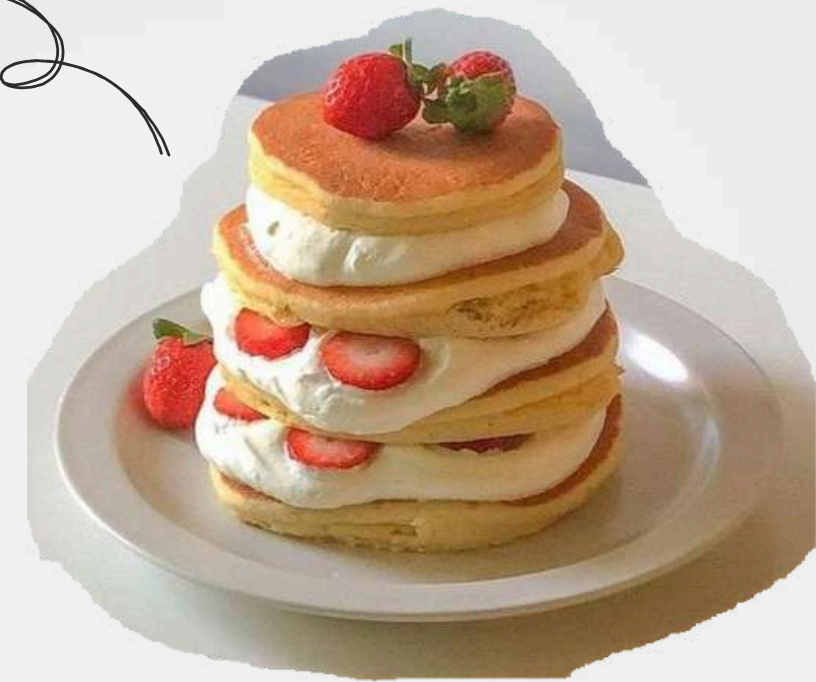
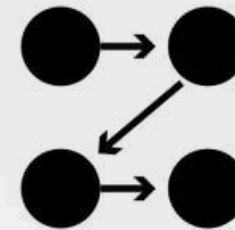
* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.



Interconnections and Interactions

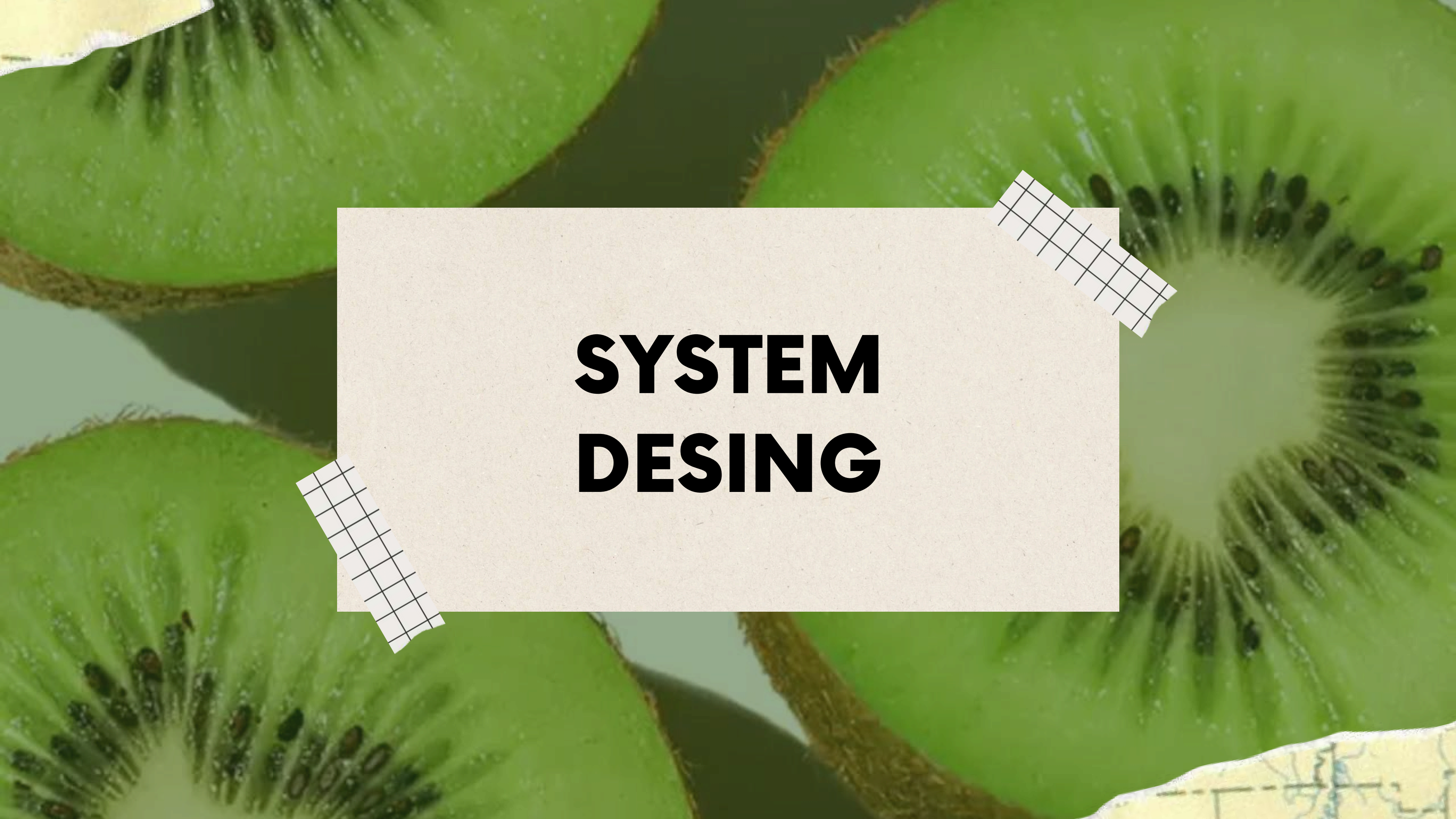


System Complexity and Dynamics



Chaos and Uncertainty



The background of the image features several slices of kiwi fruit, showing their green flesh and black seeds. Overlaid on this are several pieces of paper: a large, light beige rectangular piece in the center, and three smaller pieces of white paper with black grid patterns, which appear to be torn and stuck to the edges of the central paper. The overall aesthetic is that of a hand-drawn or collage-style design.

SYSTEM DESING

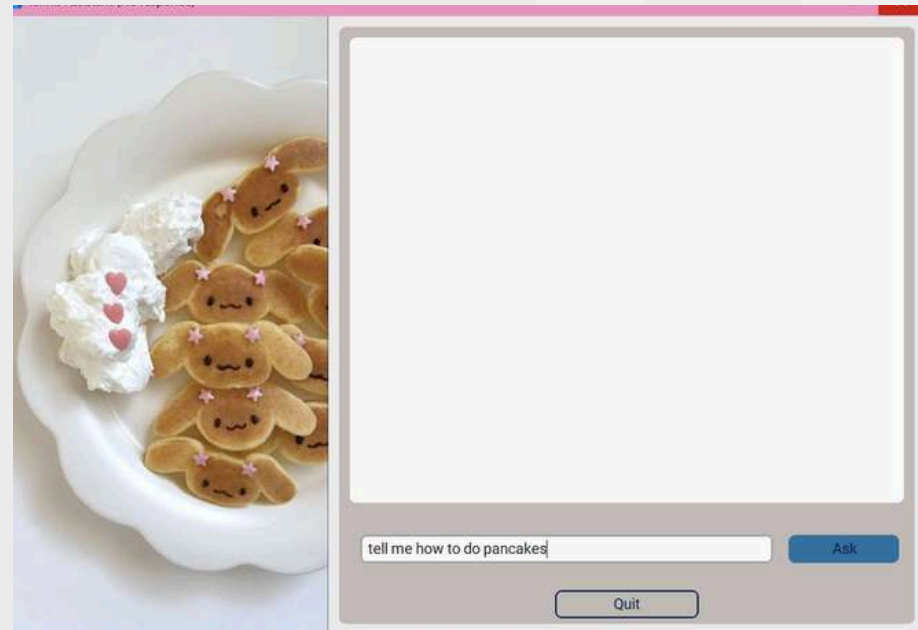


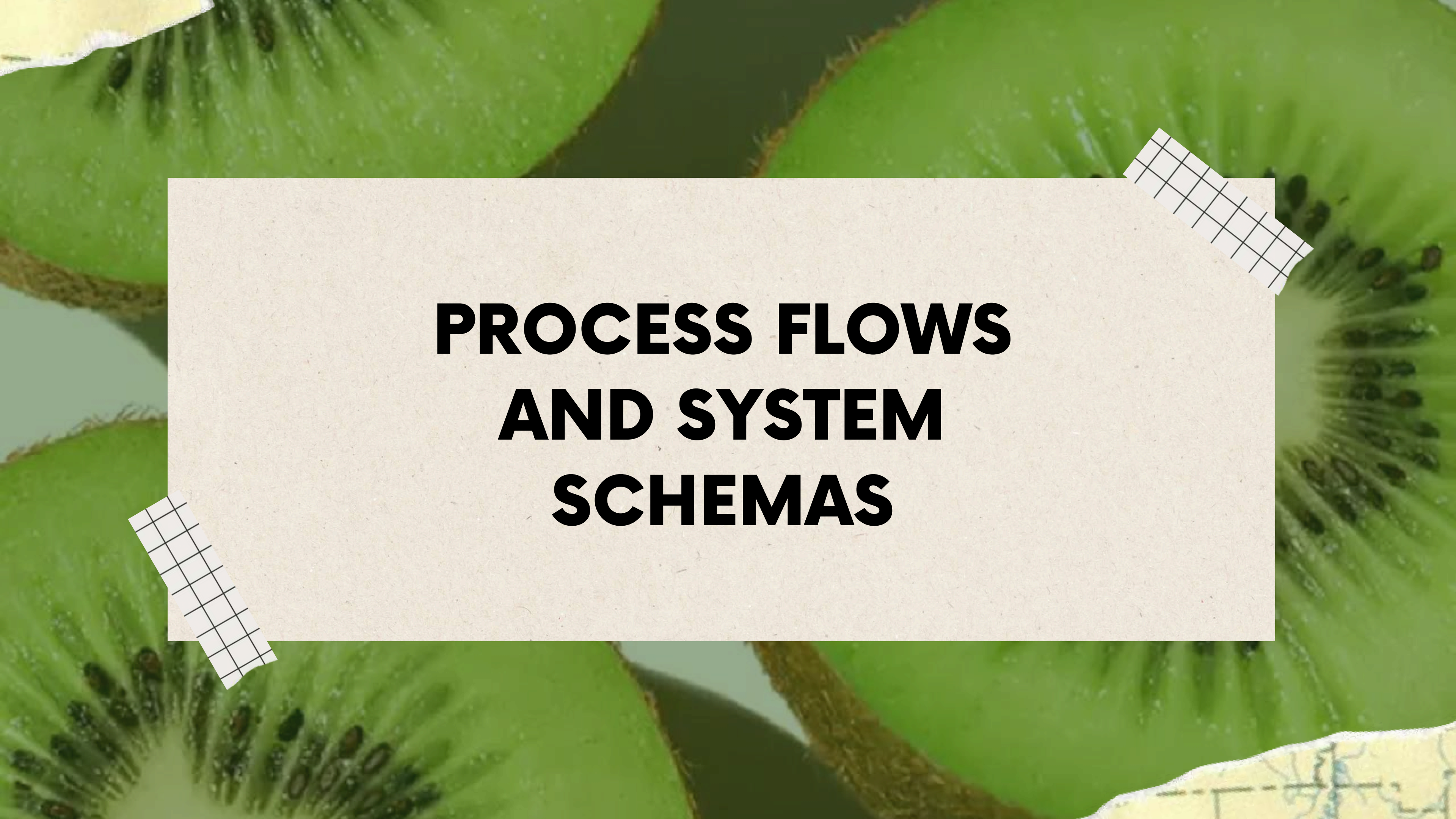
Functional Requirements





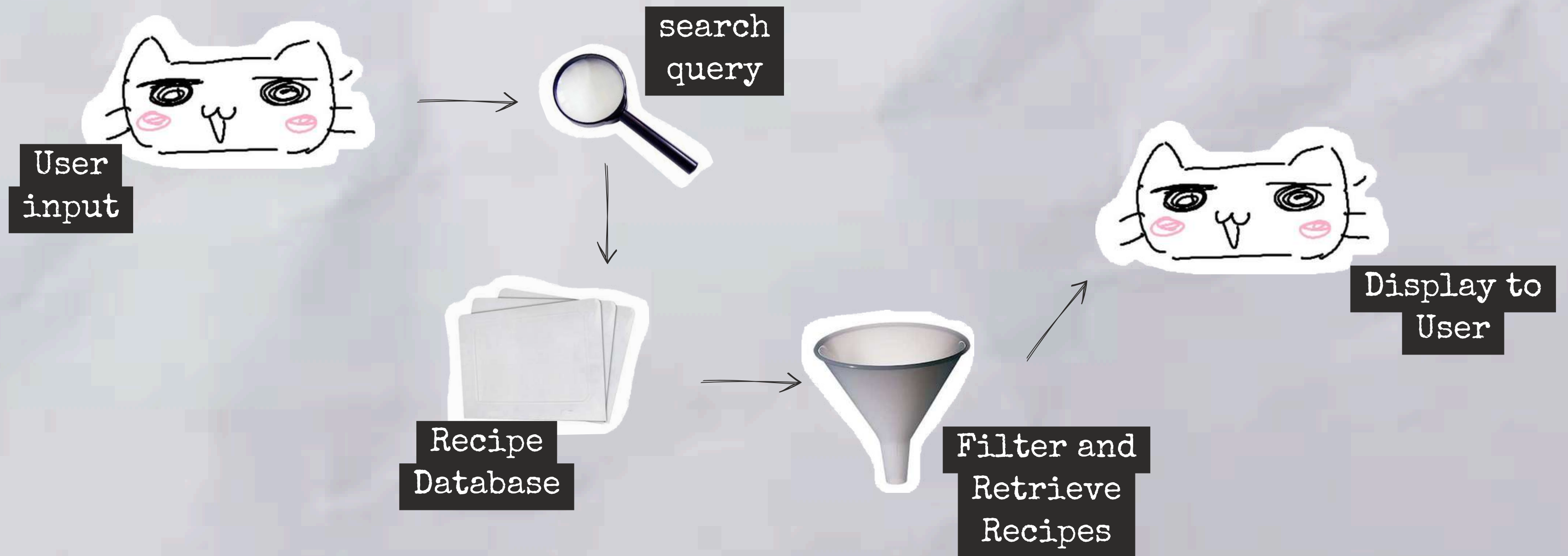
Non-Functional Requirements



The background of the image consists of several slices of kiwi fruit, showing their characteristic green flesh and black seeds. A central, rectangular piece of light-colored, textured paper is placed over the kiwi slices. Two small, torn pieces of white paper with a black grid pattern are attached to the paper note: one at the top right corner and one at the bottom left corner. The text "PROCESS FLOWS AND SYSTEM SCHEMAS" is written in bold, black, uppercase letters on the central paper note.

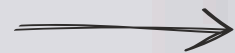
PROCESS FLOWS AND SYSTEM SCHEMAS

Recipe Retrieval and Display



Meal Planning

User input



Preferences and Goals



Suggest Meal Plan



Display to User



The background of the image consists of several slices of kiwi fruit, showing the green flesh and black seeds. A central, rectangular, light beige paper tag is layered over the kiwi slices. The tag has a slightly textured appearance. Two pieces of white paper with black grid patterns are attached to the tag, one on the left and one on the right, resembling torn pieces of paper or tape. The word "THANKS" is printed in a bold, black, sans-serif font in the center of the tag.

THANKS

COOKING VIRTUAL ASSISTANT

Credits

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