Cooklang: Hacking the Recipe Format

The way we write recipes hasn't fundamentally changed in centuries. What if we could hack it?

• Alexey Dubovskoy, FOSDEM 2025, CC BY 4 •





Why Cooking Shouldn't Start with a Scrolling Marathon

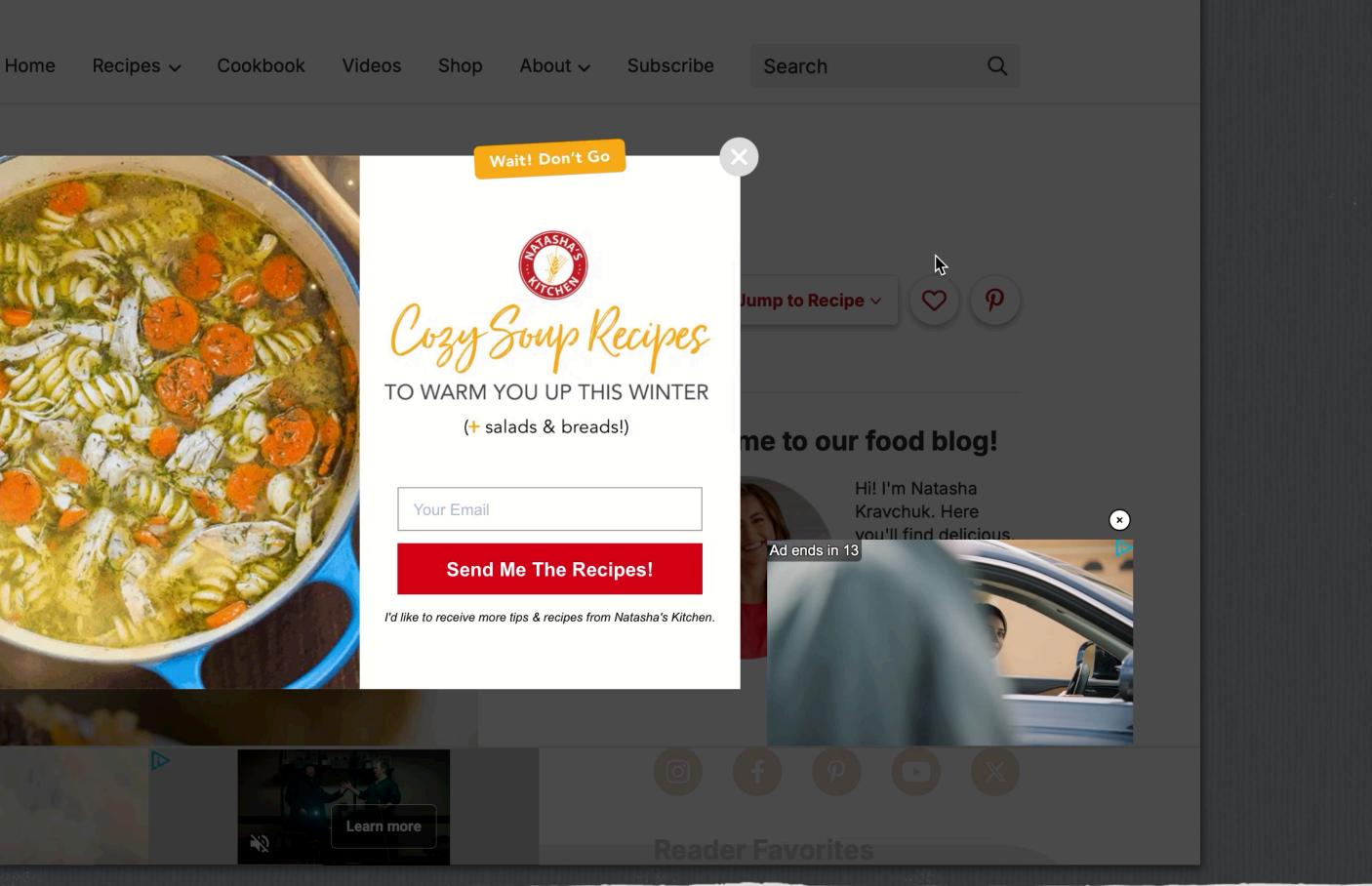


Home > Main Course > Beef

Beef Plov

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432





Authentic "innovation"

Dishwasher salmon

Article Talk

From Wikipedia, the free encyclopedia

Dishwasher salmon is a fish dish made by a cooking technique where salmon is wrapped in aluminum foil and placed in a dishwasher for a full cycle. Dishwasher companies and Consumer Reports have identified potential issues, including inconsistent temperatures and the risk of food poisoning.

Safety concerns

Dishwasher companies and Consumer Reports have recommended against cooking fish with a dishwasher because dishwashers are not designed or tested for cooking, dishwashers do not have

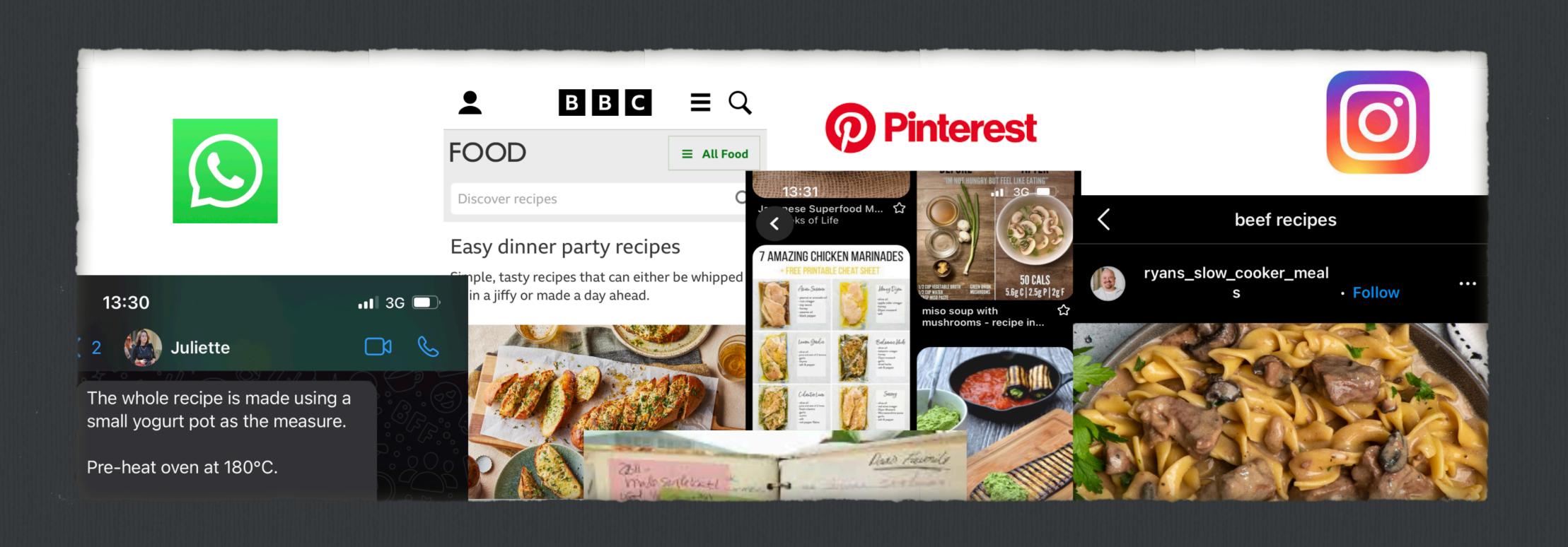
Read	View source	View history	Tools 🗸



Salmon fillets wrapped in aluminum foil and placed on a dishwasher rack



The Recipe Black Hole: Why Sharing is Still a Mess





The Personalisation Problem: Do I Really **Own My Recipes?**

- □ I don't own my recipes.
- □ Want to remove garlic? Too bad—no easy way to do it.
- ☐ Adjust proportions to suit my taste? That's a battle.
- **Even with apps like Paprika, adding a recipe is a pain:**
 - **Copy-paste chaos.**
 - Mobile UI that feels like a maze.
 - □ What happens if the app shuts down?



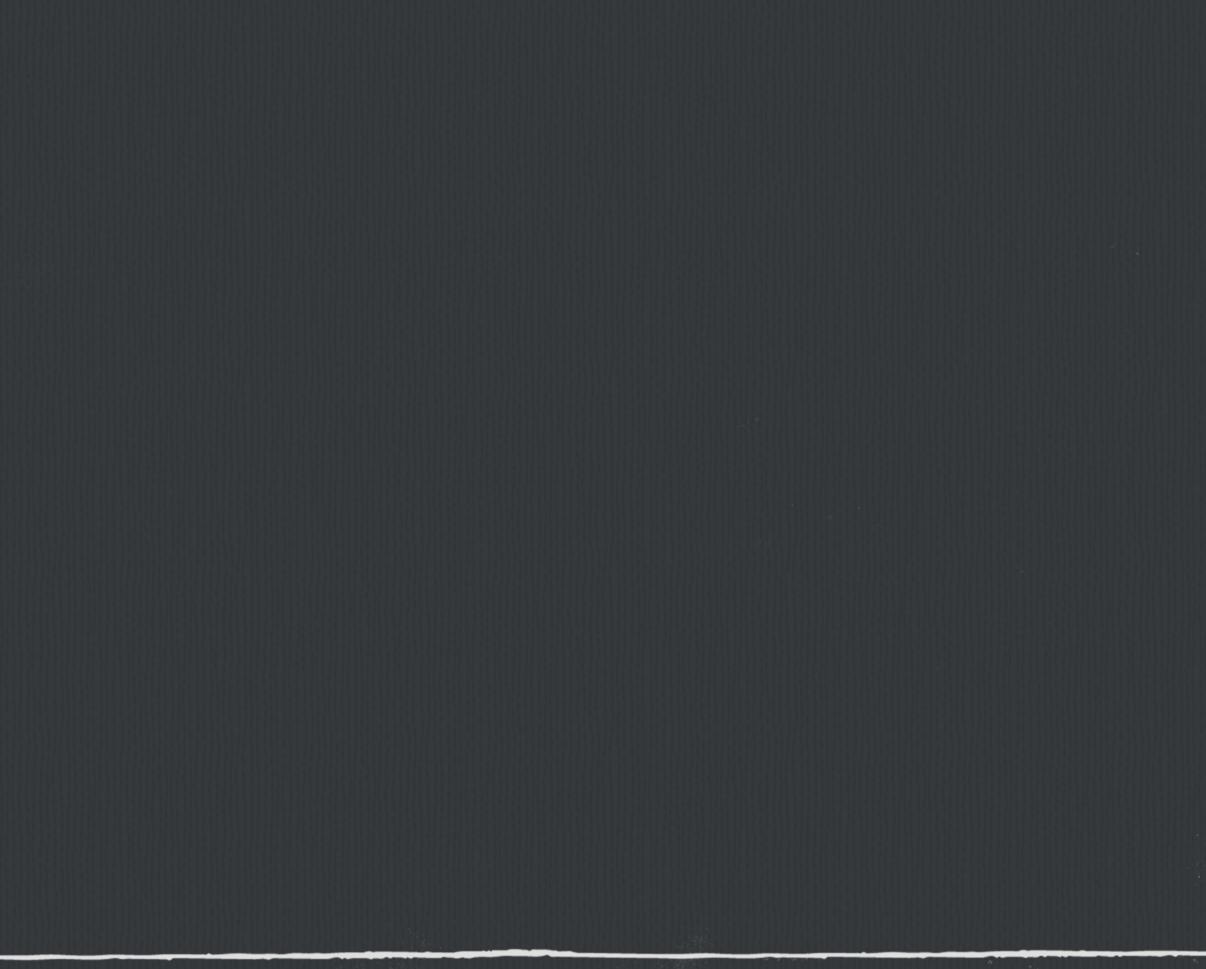
The Recipe Paradox: Why Meal Planning Feels Harder Than Cooking???





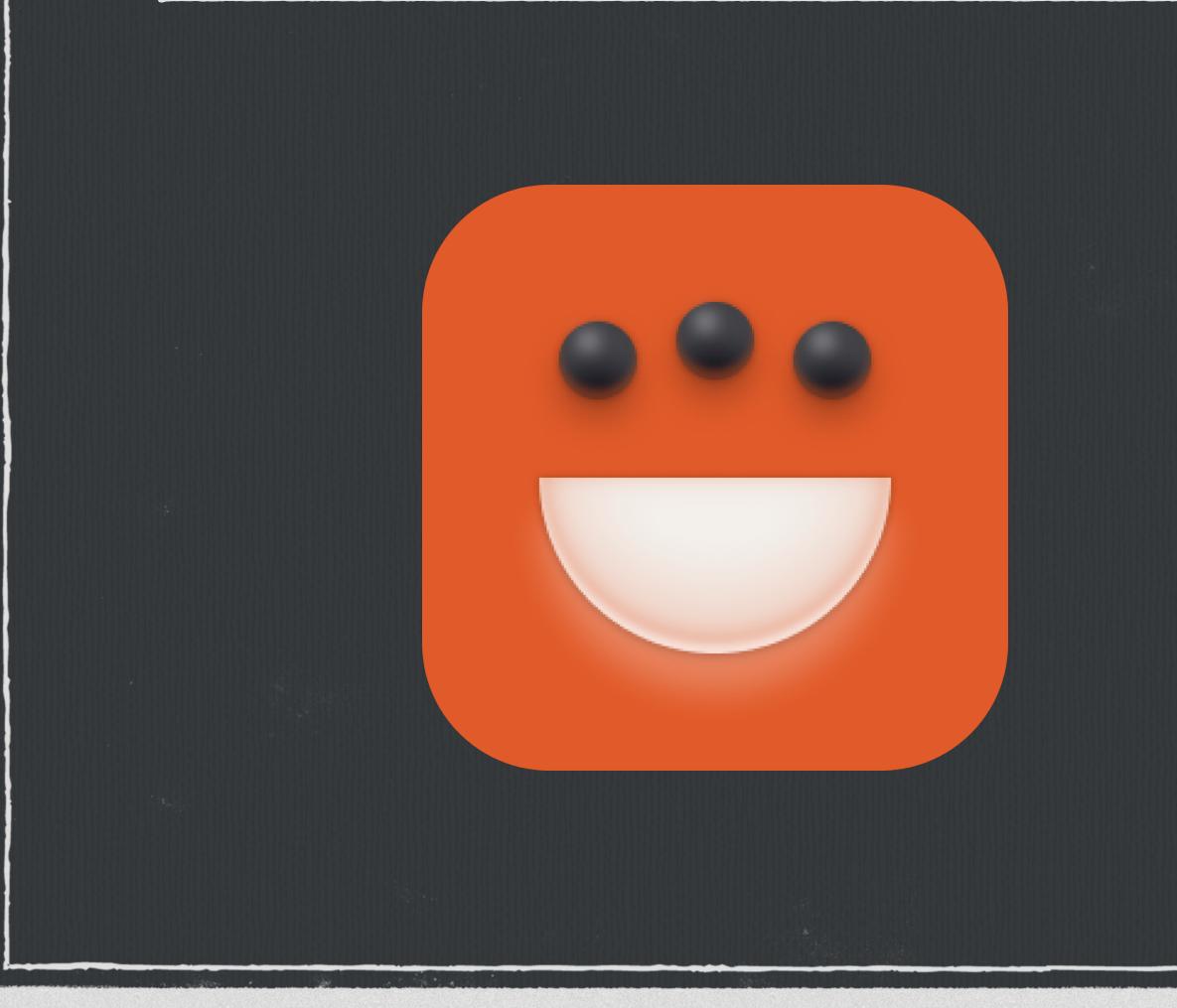
The Great Wall of Culinary Chaos

Problem with finding good recipes
 Problem with storing recipes
 Problem with sharing
 Problem with personalisation
 Problem with brain fuel





The Surprisingly Modern Power of Plain Text





- Make computers work and save our brain fuel
- Small libraries what allow to reuse other's work



Easy Pancakes.cook — Recipes

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FOLDE	RS
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- Recipes
 - Baking
 - Breakfast
 - Soups
 - .metadata 19
 - Easy Pancakes.2.jpg
 - Easy Pancakes.cook
 - Easy Pancakes.jpg
 - French Breakfast.cook
 - French Breakfast.jpeg
 - Irish Breakfast.cook
 - Irish Breakfast.jpg
 - Mexican Style Burrito.cook
 - Mexican Style Burrito.jpeg
 - E Shakshuka.cook
 - Shakshuka.jpeg
 - Smoothie bowl.cook
 - Smoothie bowl.jpeg
 - Christmas Dinner
 - Components
 - config

@milk	<mark>{250</mark> %	sml}	and
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in a	the b large outter	non	-sti
Pour	in 1		

Easy Pancakes.cook

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- away from the sides.
- minute,
- or until cooked through. 15

Line 18, Column 1

Crack the @eggs{3} into a blender, then add the @plain flour{125%g}, @sea salt{1%pinch}, and blitz until smooth.

and leave to stand for 15 minutes.

or a drizzle of **coil** if you want to be a bit healthier) ick **#frying pan{}** on a medium heat, then tilt the pan so the surface.

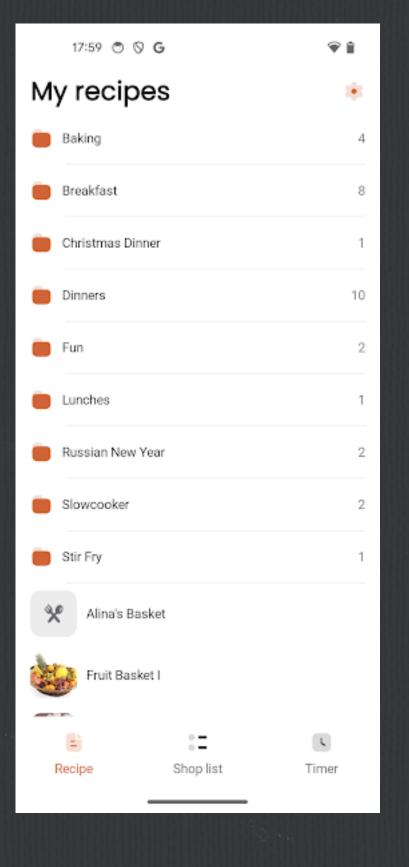
batter and tilt again, so that the batter spreads all over the base, then cook for 1 to 2 minutes, or until it starts to come

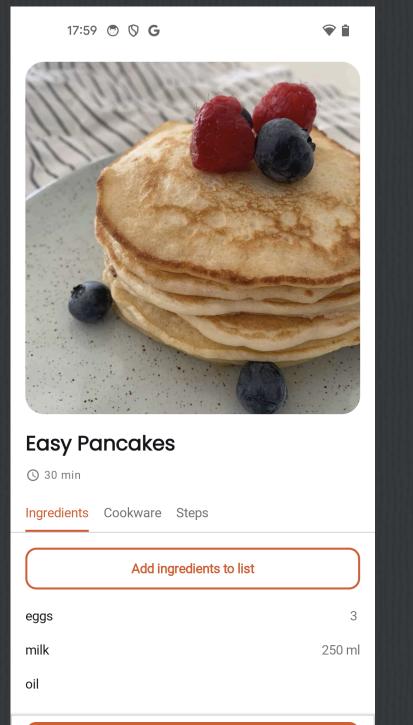
Once golden underneath, flip the pancake over and cook for 1 further

Serve straightaway with your favourite topping.



...turn files into beautiful recipes





←

STEP 2



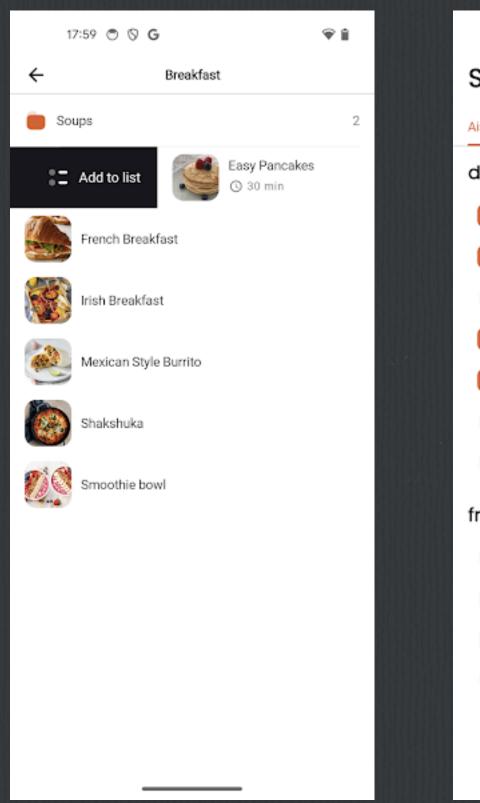
	Add ingredients to list	
S		3
(250 ml
	Start cooking	

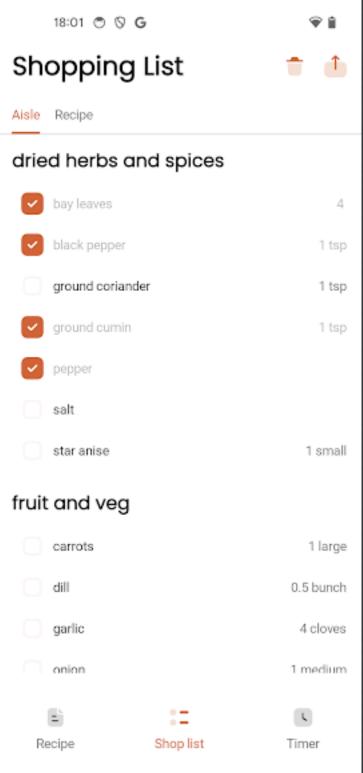


Pour into a bowl and leave to stand for 15 minutes.



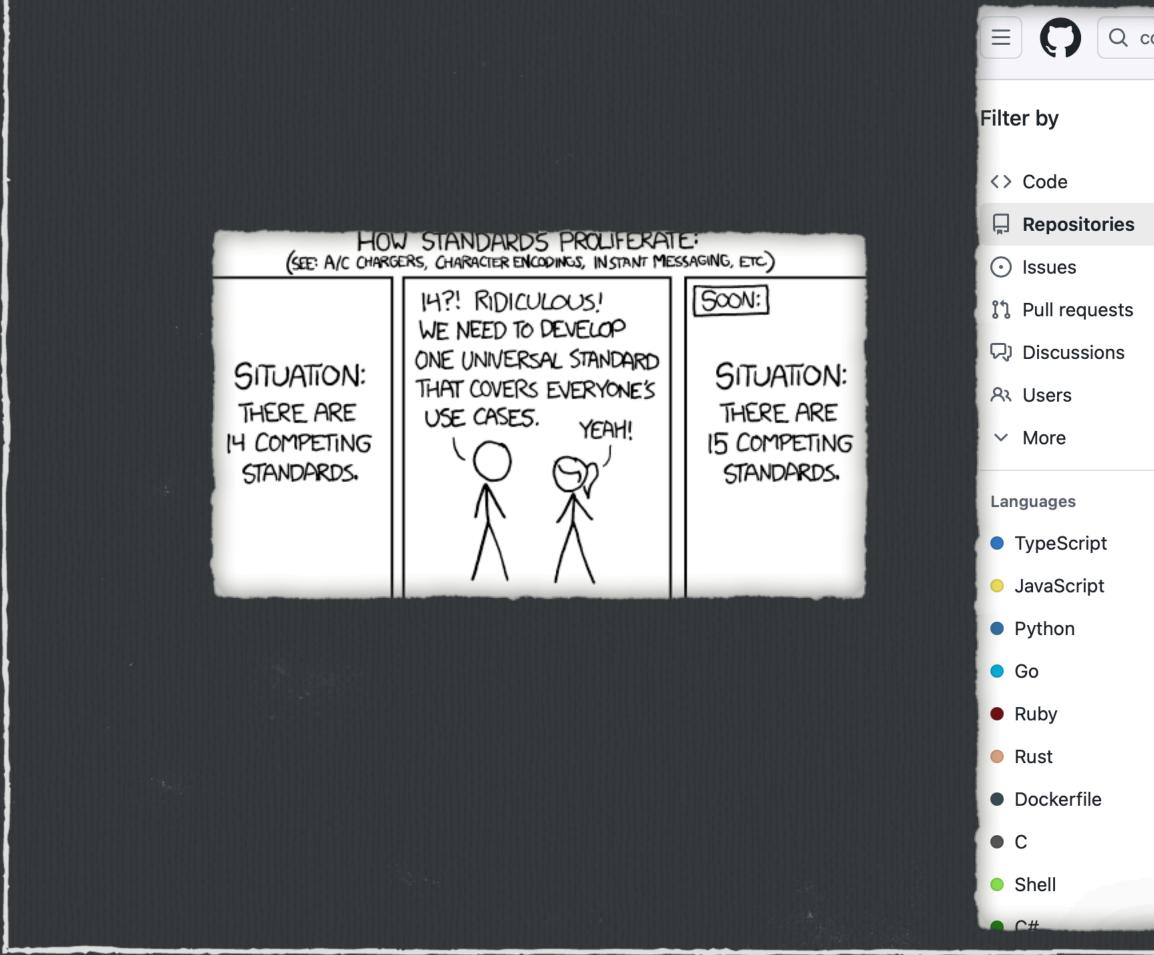
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Cooklang: More Than a Format—A Growing Ecosystem



cooklang		ii 🗗 🧕
	146 results (231 ms) Sort by: Best match -	Save
4.5k	cooklang/cooklang-obsidian	
146	Edit and display CookLang recipes in Obsidian	Tunstar
451	obsidian obsidian-plugin obsidian-md cooklang	
2k	TypeScript · 🟠 226 · Updated on 15 Nov 2024	
51		
2	 cooklang/spec Home for Cooklang specification and general discussions about the ecosystem cooklang 	\star Unstar
	☆ 605 · Updated 15 days ago	
	 Zheoni/cooklang-chef A CLI to manage cooklang recipes rust cli parser cooking-recipes cooklang Rust · A 74 · Updated 4 days ago 	Tunstar
	 cooklang/cooklang-import A command line tool to import recipes into Cooklang format hacktoberfest cooklang 	Tunstar



[→ **recipes** cook Usage: cook <COMMAND>

Commands:

recipe	
server	
shopping-lis	t
seed	
help	

Manage recipe files Run a webserver to serve your recipes on the web t Create a shopping list [aliases: sl] Populate directory with seed recipes Print this message or the help of the given subcommand(s)

Options:

-h, --help Print help -V, --version Print version

Docs: https://cooklang.org/cli/help/ → recipes

CLI Demo

🔴 😑 📄 Recipes — dubadub@MacBookPro — ~/recipes — -zsh — 78×19



		MARCH NO.
		[→ rec
		Ingred eggs plai milk sea oil
		Cookwa fryi
		Steps: 1. Cr an [
		2. Po [
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		5. On or [
		6. Se [→ rec

dients: 3 in flour 125 g 250 ml 1 pinch salt are: ing pan rack the eggs into a blender, then add the plain flour, milk and sea salt, nd blitz until smooth. eggs: 3, plain flour: 125 g, milk: 250 ml, sea salt: 1 pinch] our into a bowl and leave to stand for 15 minutes. -] elt the butter (or a drizzle of oil if you want to be a bit healthier) in a arge non-stick frying pan on a medium heat, then tilt the pan so the butter pats the surface. oil] our in 1 ladle of batter and tilt again, so that the batter spreads all ver the base, then cook for 1 to 2 minutes, or until it starts to come away rom the sides. -]

- r until cooked through. -1
- erve straightaway with your favourite topping.

cipes 📕

Recipes — dubadub@MacBookPro — ~/recipes — -zsh — 84×36

cipes cook recipe read Breakfast/Easy\ Pancakes.cook

nce golden underneath, flip the pancake over and cook for 1 further minute,



```
[ recipes cook recipe read -f json --pretty <u>Breakfast/Easy\ Pancakes.cook</u>
{
  "metadata": {
    "map": {}
  },
  "sections": [
    {
      "name": null,
      "content": [
          "type": "step",
          "value": {
            "items": [
                "type": "text",
                "value": "Crack the "
              },
                "type": "ingredient",
                "index": 0
              },
                "type": "text",
                "value": " into a blender, then add the "
              },
                "type": "ingredient",
                "index": 1
              },
                "type": "text",
                "value": ", "
              },
                "type": "ingredient",
                "index": 2
```

Recipes — dubadub@MacBookPro — ~/recipes — -zsh — 84×36



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[→ recipes cook shoppi	.ng-list <u>./Breakfas</u>
ast.cok <u>./Dinners/Sici</u>	lian-style\ Scotta
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[dried herbs and spice	s]
black pepper	
fennel seeds	1 tsp
ground cinnamon	1 pinch
salt	1 pinch
sea salt	1 pinch
[fruit and veg]	
fresh oregano	2 springs
garlic	2 cloves
lemon	
mushrooms	100 g
[meat and seafood]	
bacon	5 strips
lamb chops	8 large
[milk and dairy]	
butter	30 g
eggs	2 large, 3
milk	250 ml
[oils and dressings]	
extra virgin olive oil	. 1 splash
oil	
[tinned goods and baki	.ng]
baked beans	1 can
plain flour_	125 g
→ recipes	

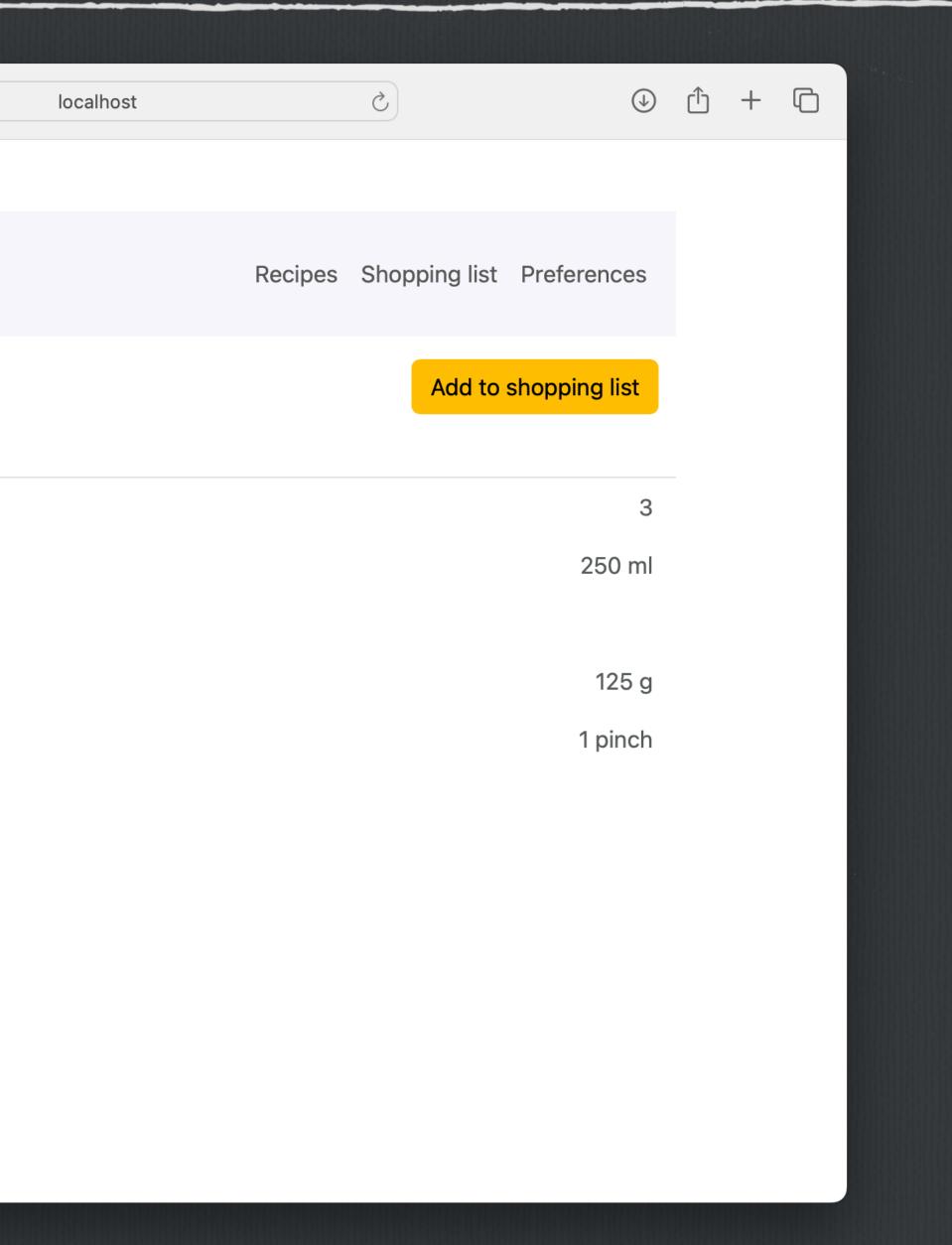
BookPro — ~/recipes — -zsh — 87×28

<u>st/Easy\ Pancakes.cook</u> ./Breakfast/Irish\ Breakf] <u>adito\ Lamb\ Chops.cook</u> g/aisle.conf



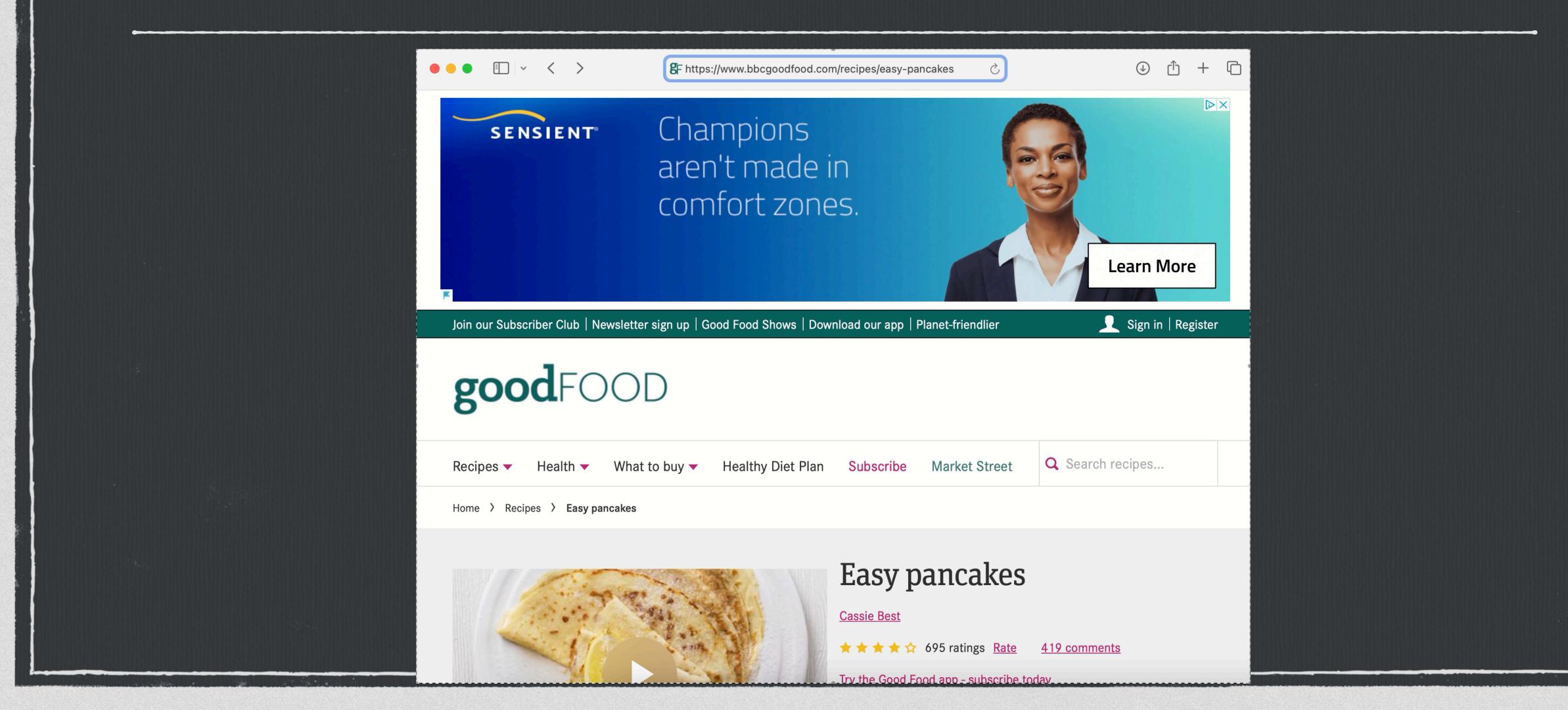


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	•	••	Cool	<			
	<u>Ho</u>	<u>me</u> /	<u>Break</u>	<mark>fast</mark> / Easy	/ Pan	cakes	
	Ing	gredie	ents	Cookwar	е	Steps	
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	mil	lk					
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	sea	a salt					





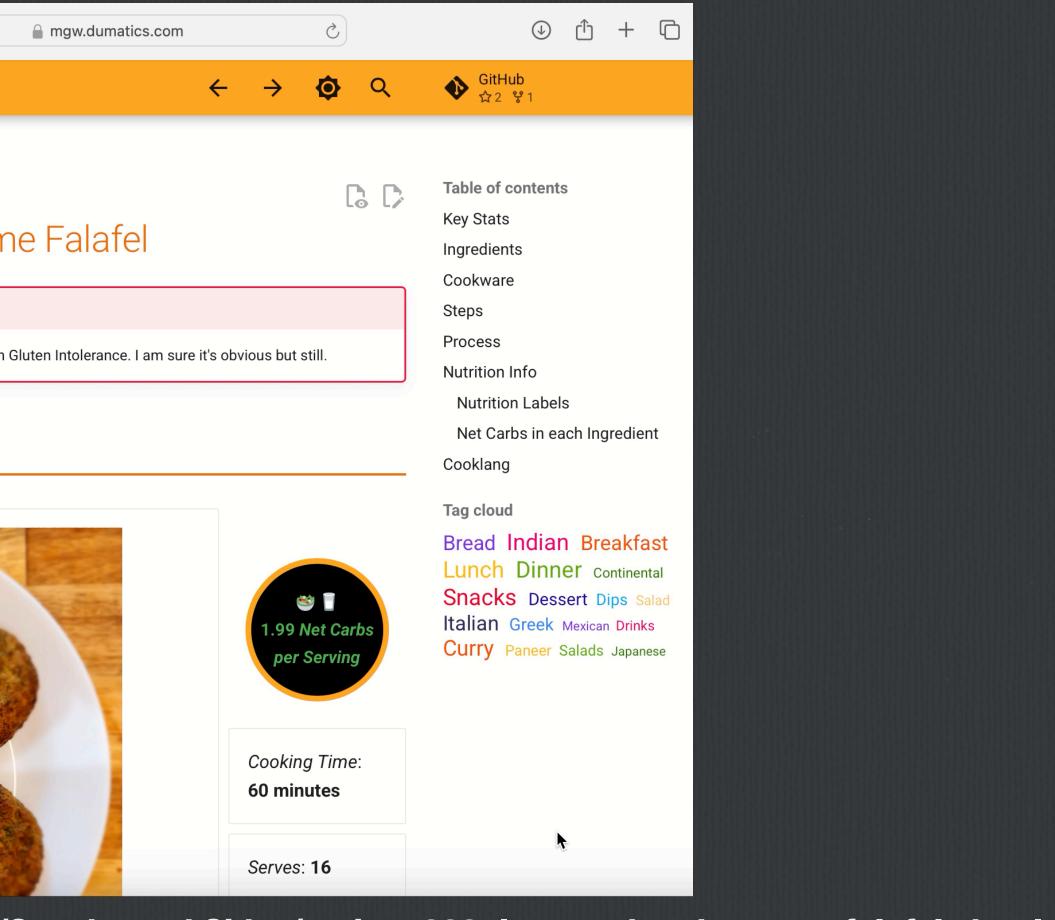
cook.md recipe converter





Cooking with Control: How Cooklang Empowers Dietary Management

	\equiv The Diary Of A Diabetic
	S Greek S Snacks Low Carb Edamame
	O Danger
	This recipe is based on wheat gluten so it is not suitable for those with Glute
	Key Stats
https://mgw.dumatics.com	n/a diabetics iournal/Recipes/Sr



nacks and Sides/recipe_008_low_carb_edamame_falafels.html#cooklang



Get involved

□ Visit our web-site <u>https://cooklang.org</u> □ Visit our GitHub <u>https://github.com/Cooklang</u> □ Join our Discord (link on web-site) Learn and experiment with playground, parsers, CLI, Obsidian plugin, ML... **Contribute!** Docs, Rust libraries, JS, ML, ... all waits your contribution **Contact me <u>alexey@cooklang.org</u>**



Thanks! And happy cooking!

