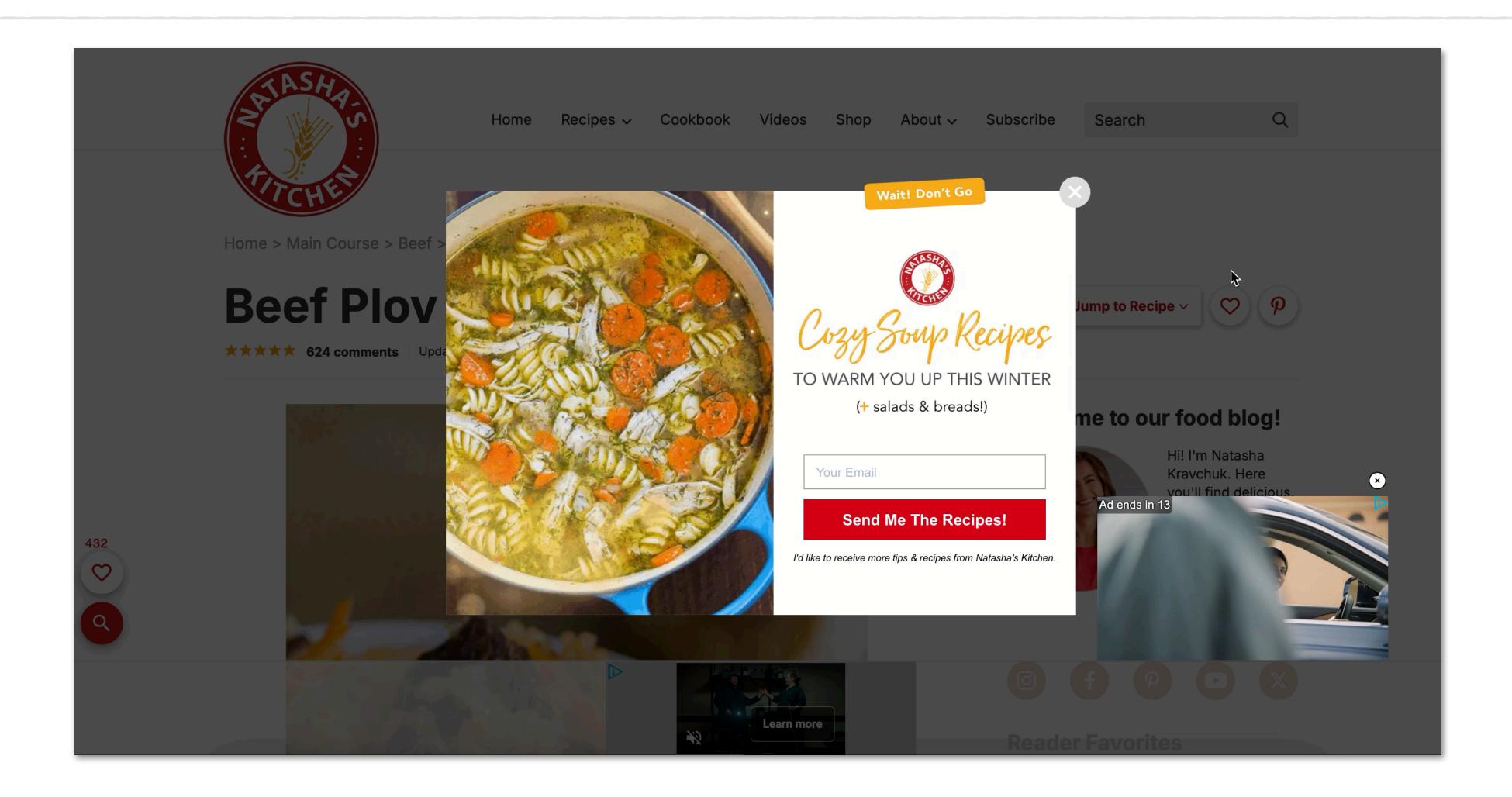
# Cooklang: Hacking the Recipe Format

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



## Why Cooking Shouldn't Start with a Scrolling Marathon



### Authentic "innovation"

#### Dishwasher salmon

文 12 languages ∨

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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.

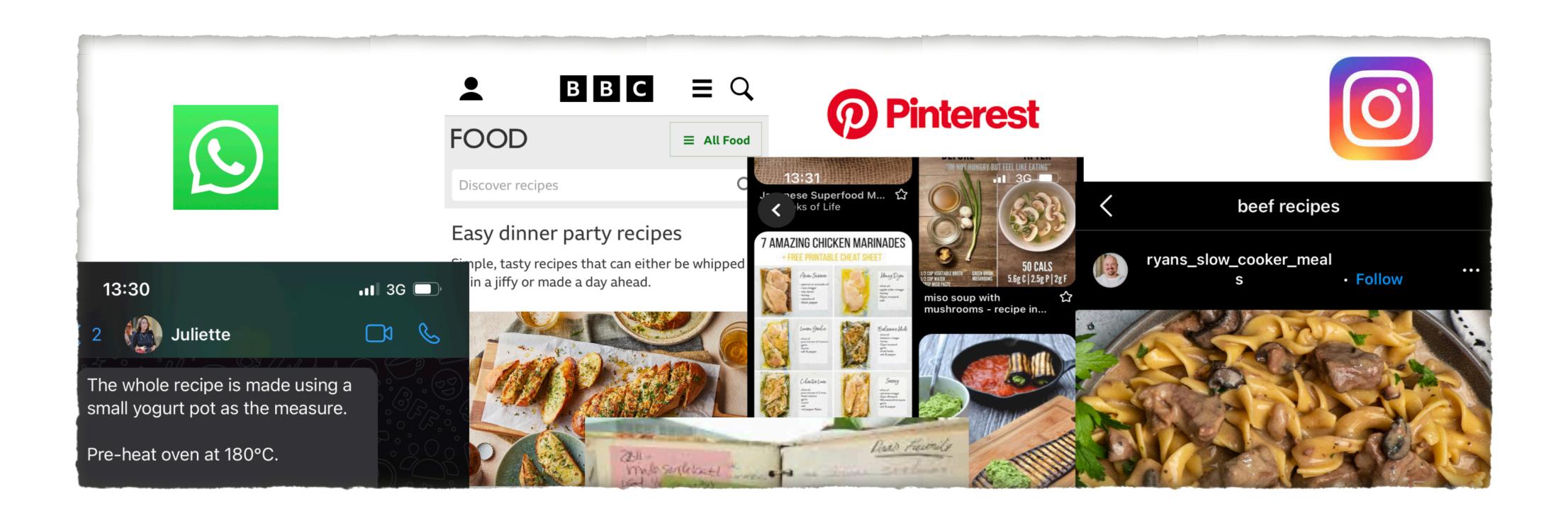
#### Safety concerns

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



Salmon fillets wrapped in aluminum foil and blaced 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



Recipes as plain text files: store, share and personalise

Make computers work and save our brain fuel

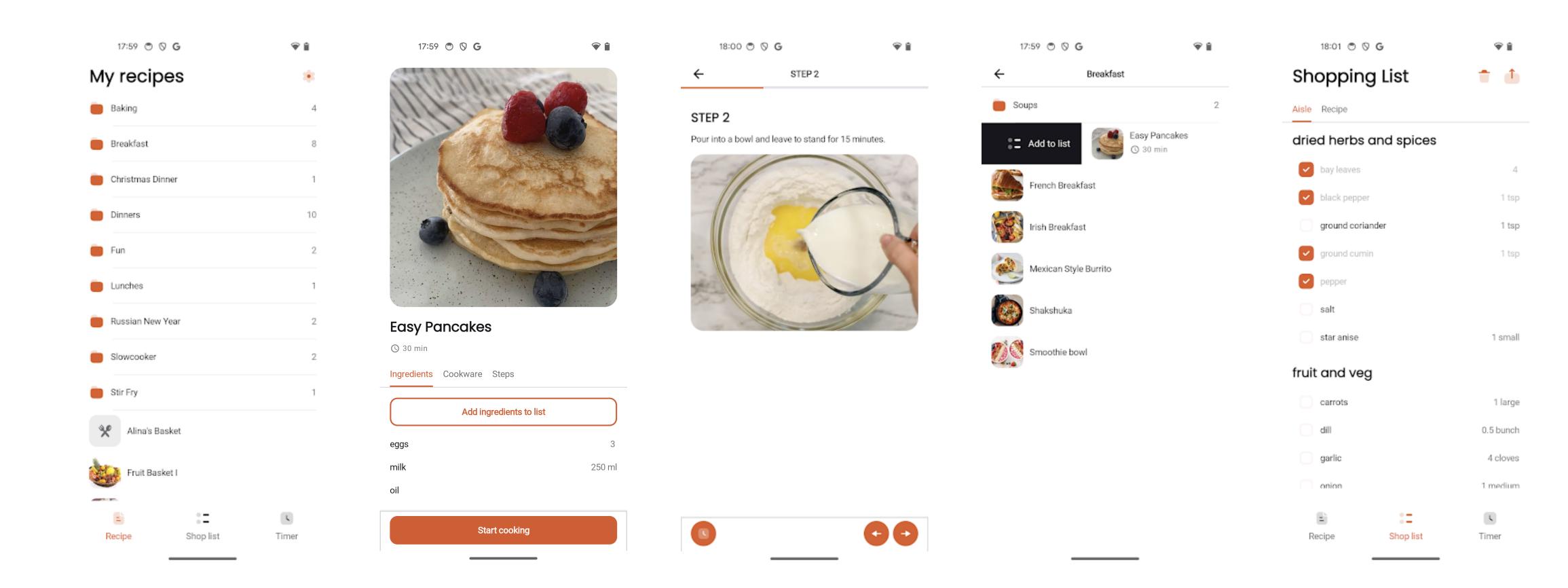
Small libraries what allow to reuse other's work

#### Easy Pancakes.cook — Recipes

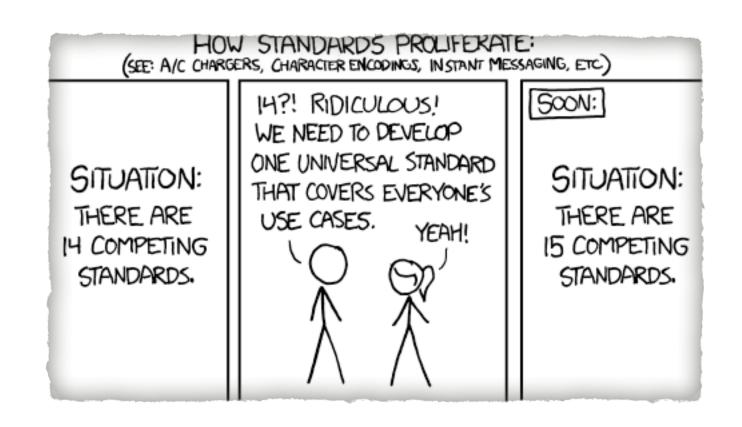
#### **FOLDERS** Recipes Baking Breakfast ▶ Soups .metadata Easy Pancakes.2.jpg Easy Pancakes.cook Easy Pancakes.jpg French Breakfast.cook French Breakfast.jpeg ■ Irish Breakfast.jpg Mexican Style Burrito.jpeg Shakshuka.jpeg Smoothie bowl.jpeg Christmas Dinner Components config

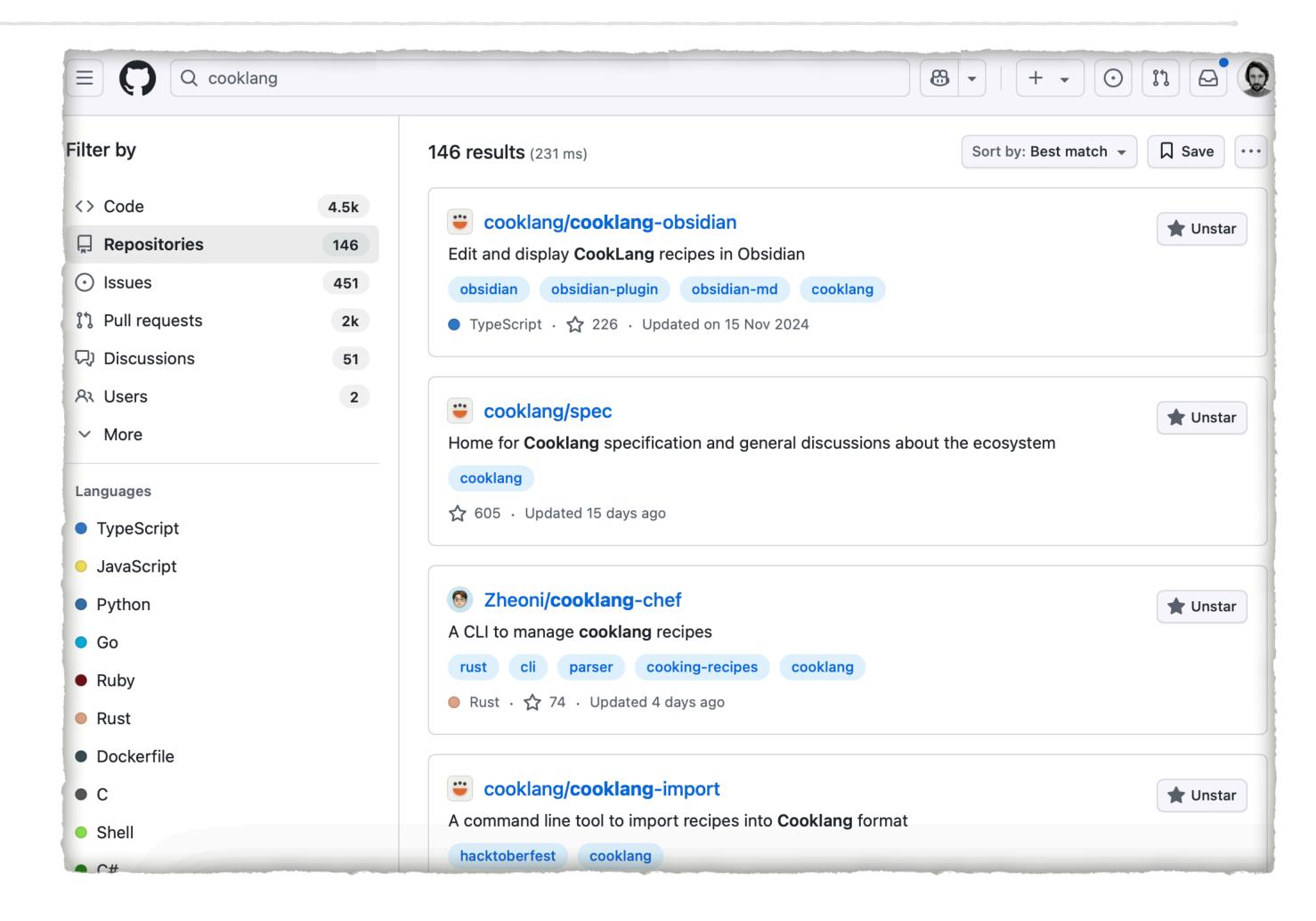
```
Easy Pancakes.cook
     Crack the @eggs{3} into a blender, then add the @plain flour{125%g},
     @milk{250%ml} and @sea salt{1%pinch}, and blitz until smooth.
     Pour into a bowl and leave to stand for 15 minutes.
    Melt the butter (or a drizzle of @oil if you want to be a bit healthier)
     in a large non-stick #frying pan{} on a medium heat, then tilt the pan so
     the butter coats the surface.
     Pour in 1 ladle of batter and tilt again, so that the batter spreads all
10
     over the base, then cook for 1 to 2 minutes, or until it starts to come
11
     away from the sides.
12
13
14
     Once golden underneath, flip the pancake over and cook for 1 further
     minute,
     or until cooked through.
15
16
     Serve straightaway with your favourite topping.
17
18
```

## ...turn files into beautiful recipes

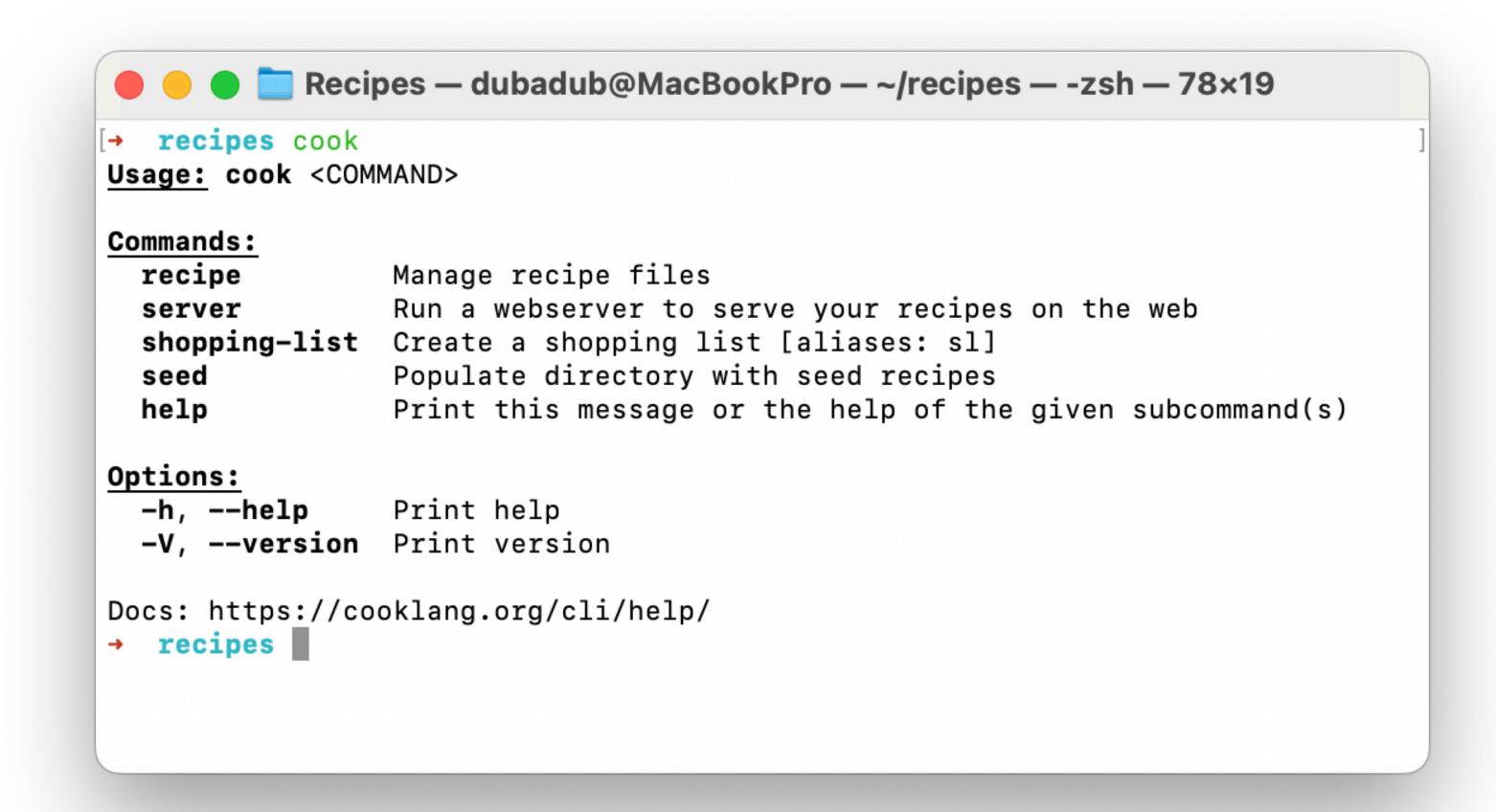


## Cooklang: More Than a Format—A Growing Ecosystem





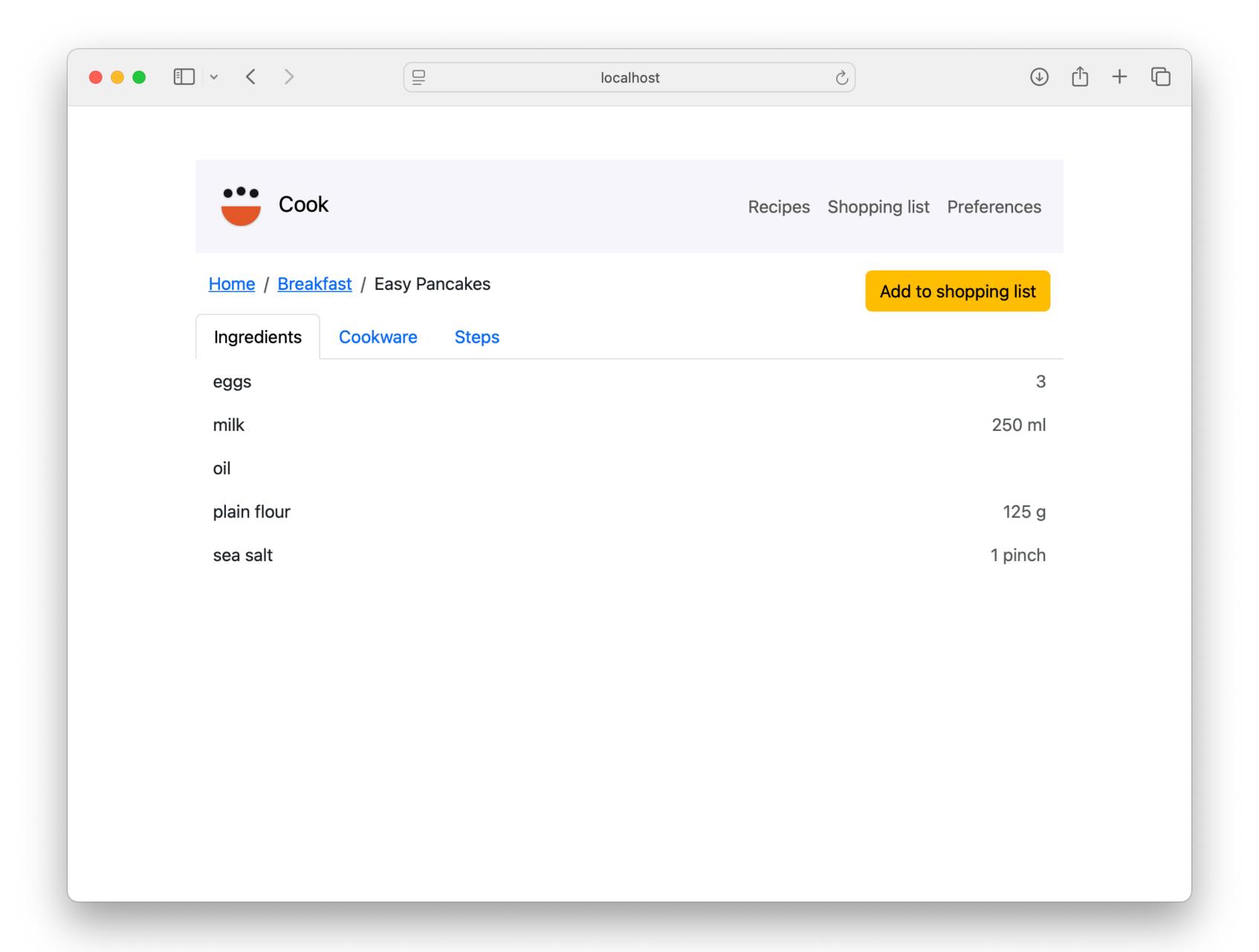
### CLI Demo



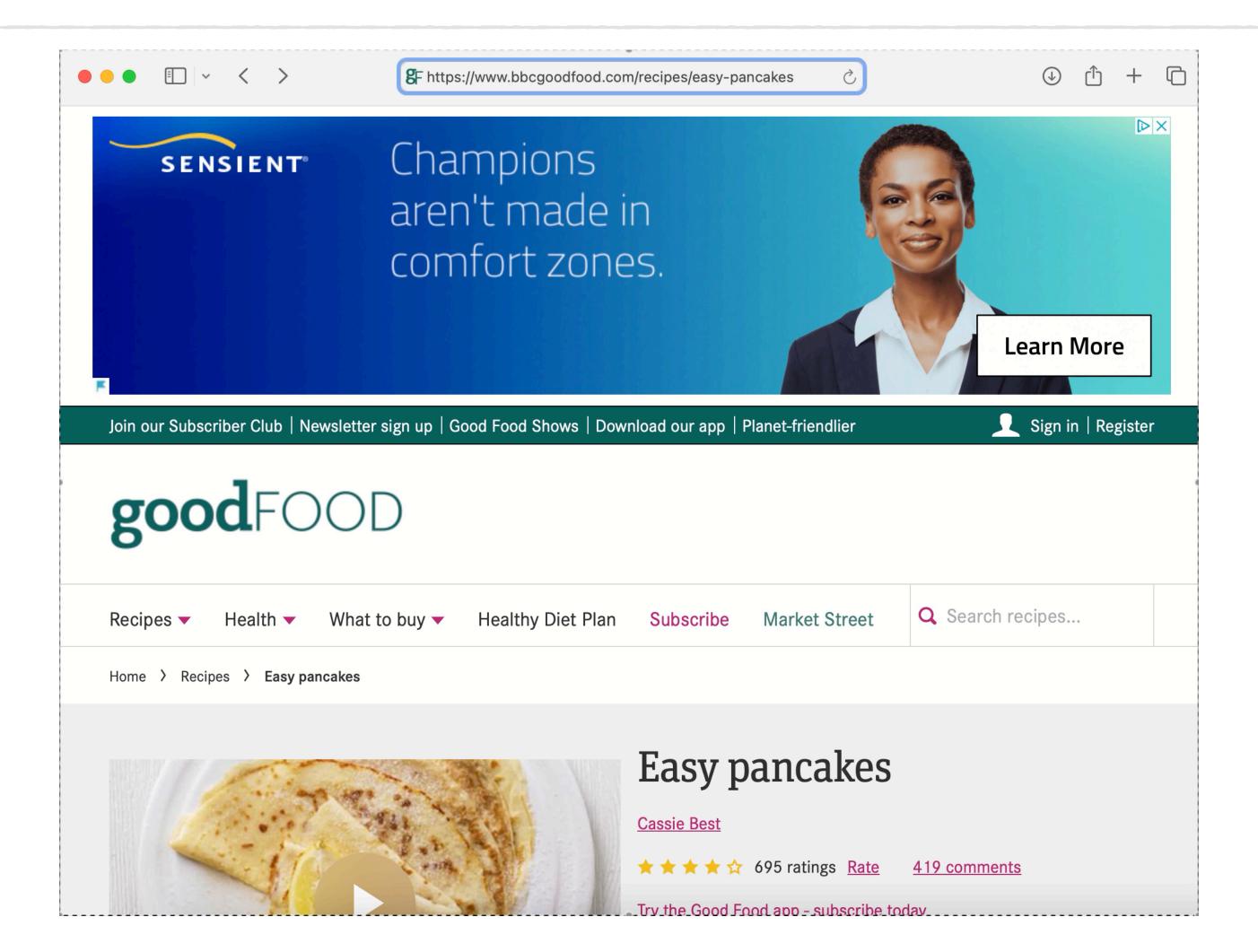
```
Recipes — dubadub@MacBookPro — ~/recipes — -zsh — 84×36
[→ recipes cook recipe read Breakfast/Easy\ Pancakes.cook
Ingredients:
                  3
  eggs
  plain flour
                 125 g
  milk
                  250 ml
                 1 pinch
  sea salt
  oil
Cookware:
  frying pan
Steps:
 1. Crack the eggs into a blender, then add the plain flour, milk and sea salt,
    and blitz until smooth.
     [eggs: 3, plain flour: 125 g, milk: 250 ml, sea salt: 1 pinch]
 2. Pour into a bowl and leave to stand for 15 minutes.
     [-]
 3. Melt the butter (or a drizzle of oil if you want to be a bit healthier) in a
    large non-stick frying pan on a medium heat, then tilt the pan so the butter
    coats the surface.
     [oil]
 4. Pour in 1 ladle of 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 away
    from the sides.
     [-]
 5. Once golden underneath, flip the pancake over and cook for 1 further minute,
    or until cooked through.
     [-]
 6. Serve straightaway with your favourite topping.
→ recipes
```

```
Recipes — dubadub@MacBookPro — ~/recipes — -zsh — 84×36
[→ recipes cook recipe read -f json --pretty Breakfast/Easy\ Pancakes.cook
  "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
```

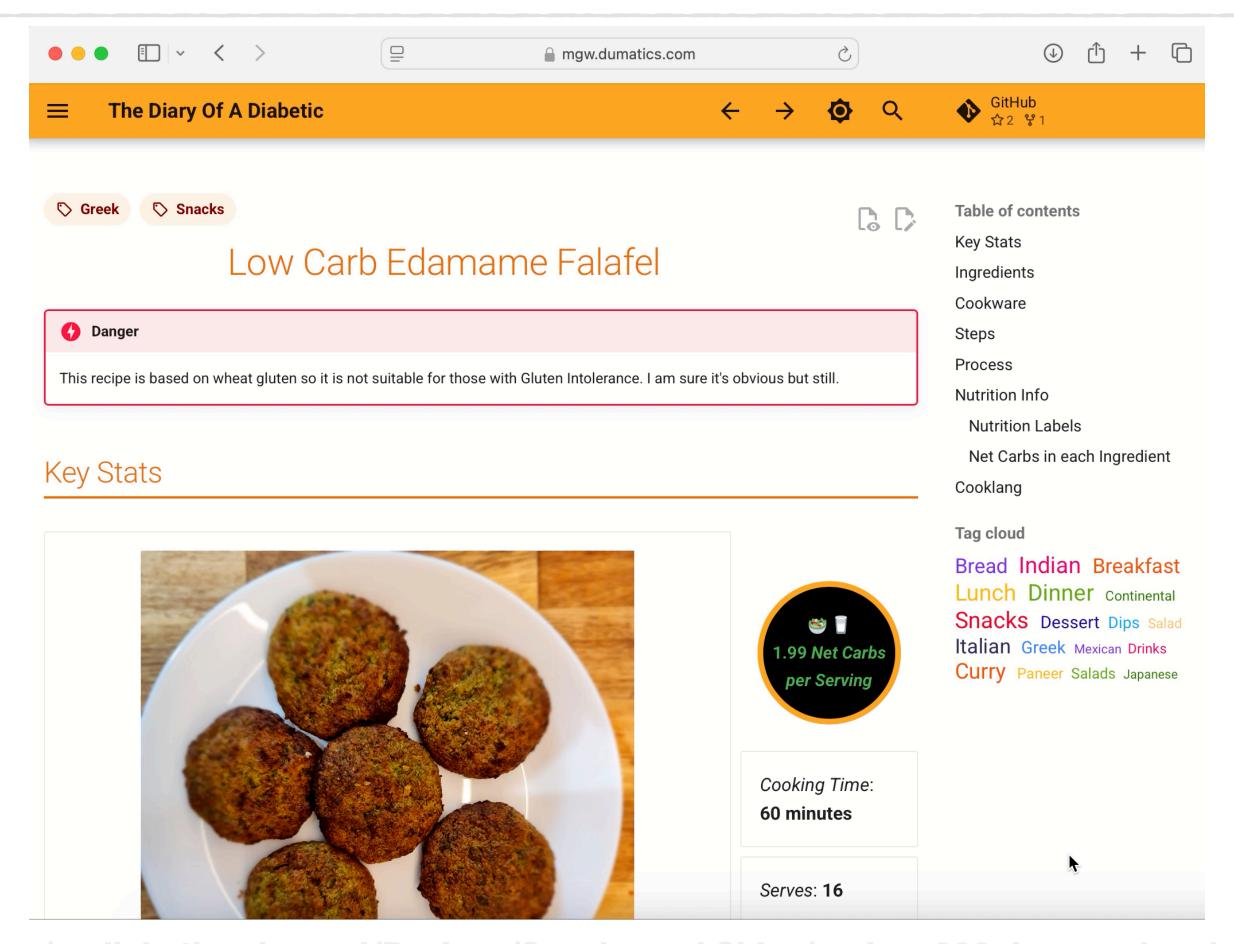
```
Recipes — dubadub@MacBookPro — ~/recipes — -zsh — 87×28
[→ recipes cook shopping-list <u>./Breakfast/Easy\ Pancakes.cook</u> ./Breakfast/Irish\ Breakf]
ast.cok ./Dinners/Sicilian-style\ Scottadito\ Lamb\ Chops.cook
TRACE checking auto aisle file: ./config/aisle.conf
[dried herbs and spices]
black 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
                      2 large, 3
eggs
milk
                      250 ml
[oils and dressings]
extra virgin olive oil 1 splash
oil
[tinned goods and baking]
baked beans
plain flour
                      125 g
→ recipes
```



## cook.md recipe converter



## Cooking with Control: How Cooklang Empowers Dietary Management



https://mgw.dumatics.com/a\_diabetics\_journal/Recipes/Snacks and Sides/recipe\_008\_low\_carb\_edamame\_falafels.html#cooklang

### Get involved

Visit our web-site <a href="https://cooklang.org">https://cooklang.org</a>

Visit our GitHub <a href="https://github.com/Cooklang">https://github.com/Cooklang</a>

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 alexey@cooklang.org

## Thanks! And happy cooking!