Group 6

LET'S BEAT GOOGLE WITH GLUTEN-FREE!

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FREE 100% Gluten

AGENDA

- ✓ Introduction of gluten
- ✓ Project interests (motivation)
- ✓ Key ideas
- ✓ Achievements (our goals)
- ✓ System Demo

WHAT IS GLUTEN-FREE?

Gluten-Free refers to foods or drinks that do not contain gluten in the diet. Gluten is a protein found in grains such as wheat, barley, and rye that may cause allergic or allergic reactions in some people.

As a result, a gluten-free diet has become a widely accepted dietary option, especially for people with gluten allergy or celiac disease (gut sensitivity to gluten).

GLUTEN Free

WHAT IS GLUTEN-FREE?

WITH GLUTEN

Food made from wheat
[e.g.] Bread & noodles

GLUTEN-FREE

[e.g.]
Fruits, vegetables, rice

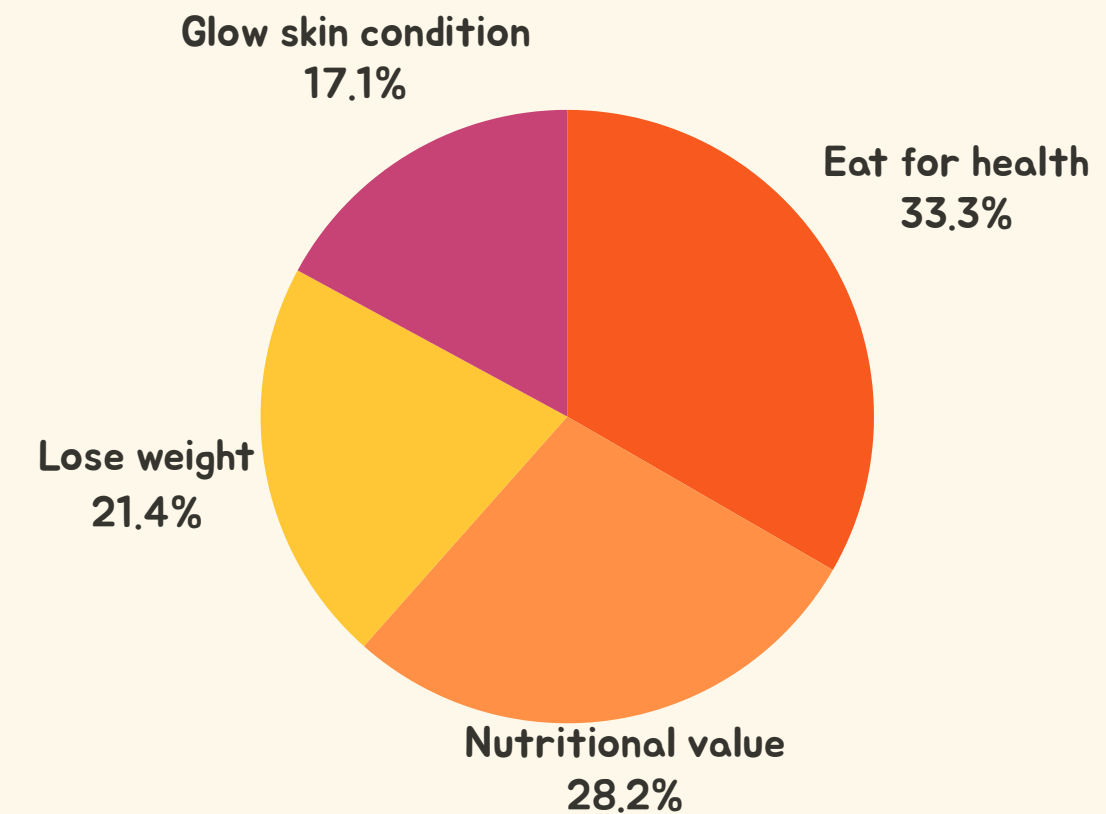# PROJECT INTERESTS

1. Megatrends of gluten-free diet
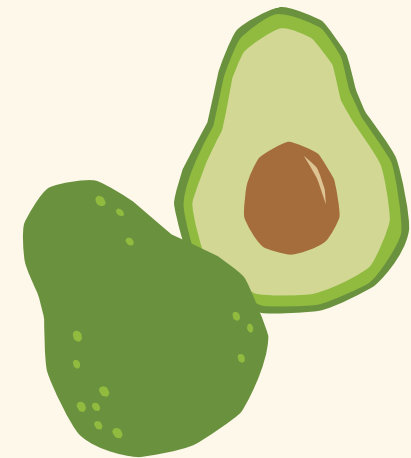
2. The increase of requirements

3. Personal experience

4. Localize search engine

Glow skin condition
17.1%

Eat for health
33.3%

Lose weight
21.4%

Nutritional value
28.2%

PURPOSE FOR GLUTEN-FREE

KEY IDEAS

Design search engine specifically for those who are used to following on gluten-free diets.

Food

Local(Taiwan)

Recipes

Restaurant

WHAT ARE OUR ACHIEVEMENTS THROUGH THE SYSTEM?

1

We classify and organize Google's cluttered search results into specific categories(eg. gluten-free).
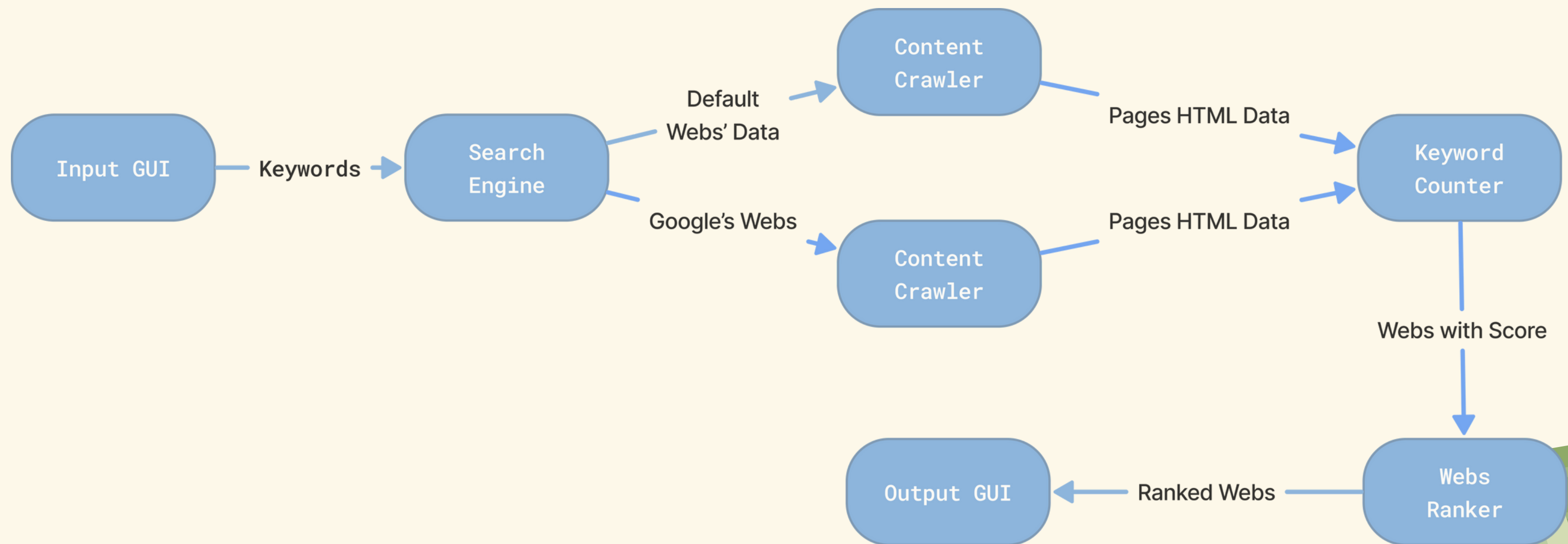
2

Humanistic and social care toward Taiwan's local primary industry (promote local farmer).

3

Provide convenient and friendly environments for people who are allergic to gluten to search related information.

SYSTEM STRUCTURE

Input GUI → **Keywords** → Search Engine

Search Engine → **Default Webs' Data** → Content Crawler

Search Engine → **Google's Webs** → Content Crawler

Content Crawler → **Pages HTML Data** → Keyword Counter

Content Crawler → **Pages HTML Data** → Keyword Counter

Keyword Counter → **Webs with Score** → Webs Ranker

Webs Ranker → **Ranked Webs** → Output GUI

KEYWORDS & WEIGHTS

```
let weight = 0;
if (word === '食物') {
    weight = 5;
} else if (word === '在地') {
    weight = 5;
} else if (word === '台灣') {
    weight = 10;
}else if (word === '食品') {
    weight = 5;
} else if (word === '食譜') {
    weight = 1;
} else if (word === '餐廳') {
    weight = 1;
}else if (word === '無麩質') {
    weight = 5;
} else if (word === '料理') {
    weight = 1;
}else if (word === '菜單') {
    weight = 1;
}
```

SYSTEM DEMO

https://theglutenescape.netlify.app

Gluten Free

THE END

THANKS FOR LISTENING!