

Foodie is life,  
Engine for foodies!



# FOOGLÉ!

Your Foodie Google

G11

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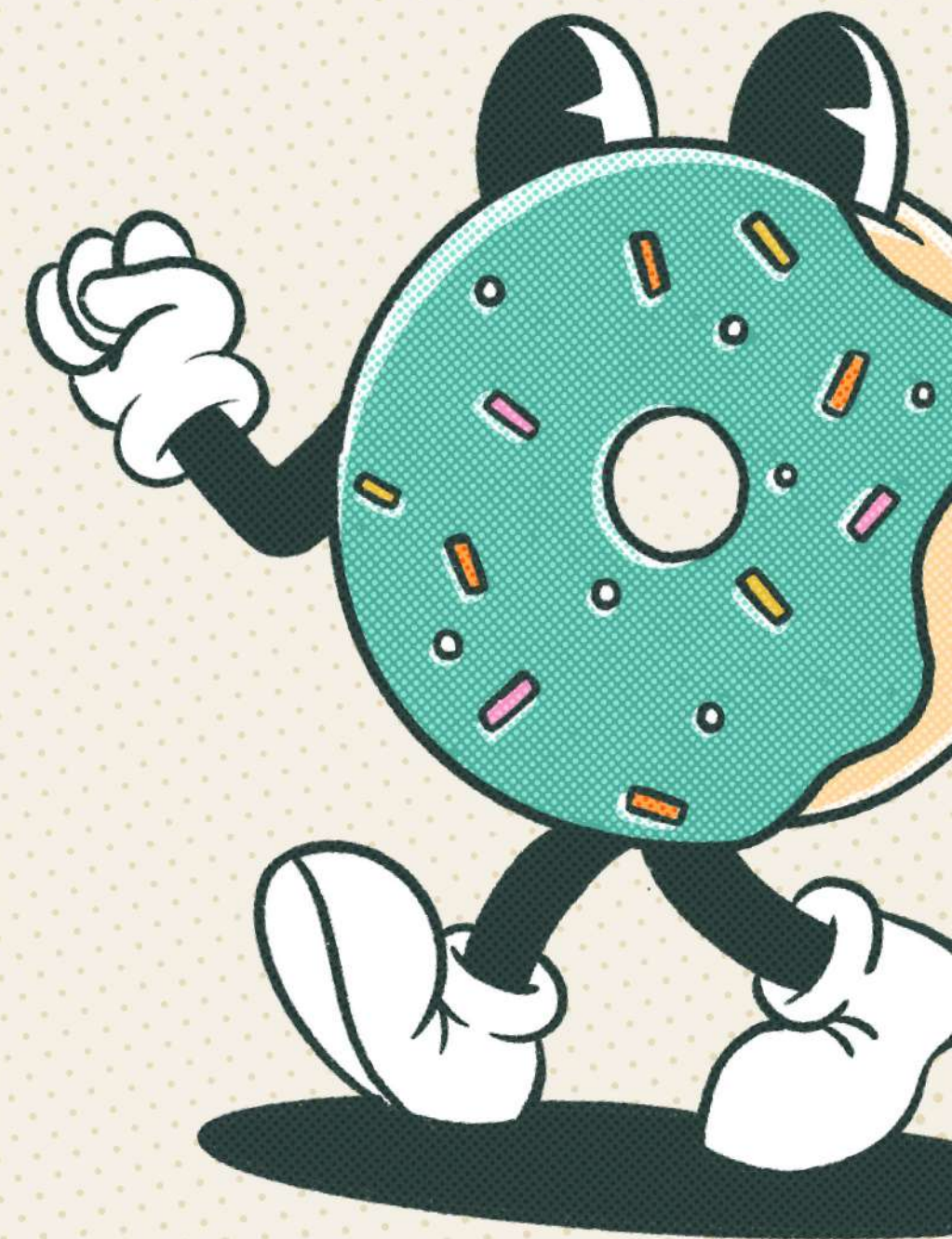
112306011 陳宥錡

112306051 許庭愷

112306056 羅翊庭



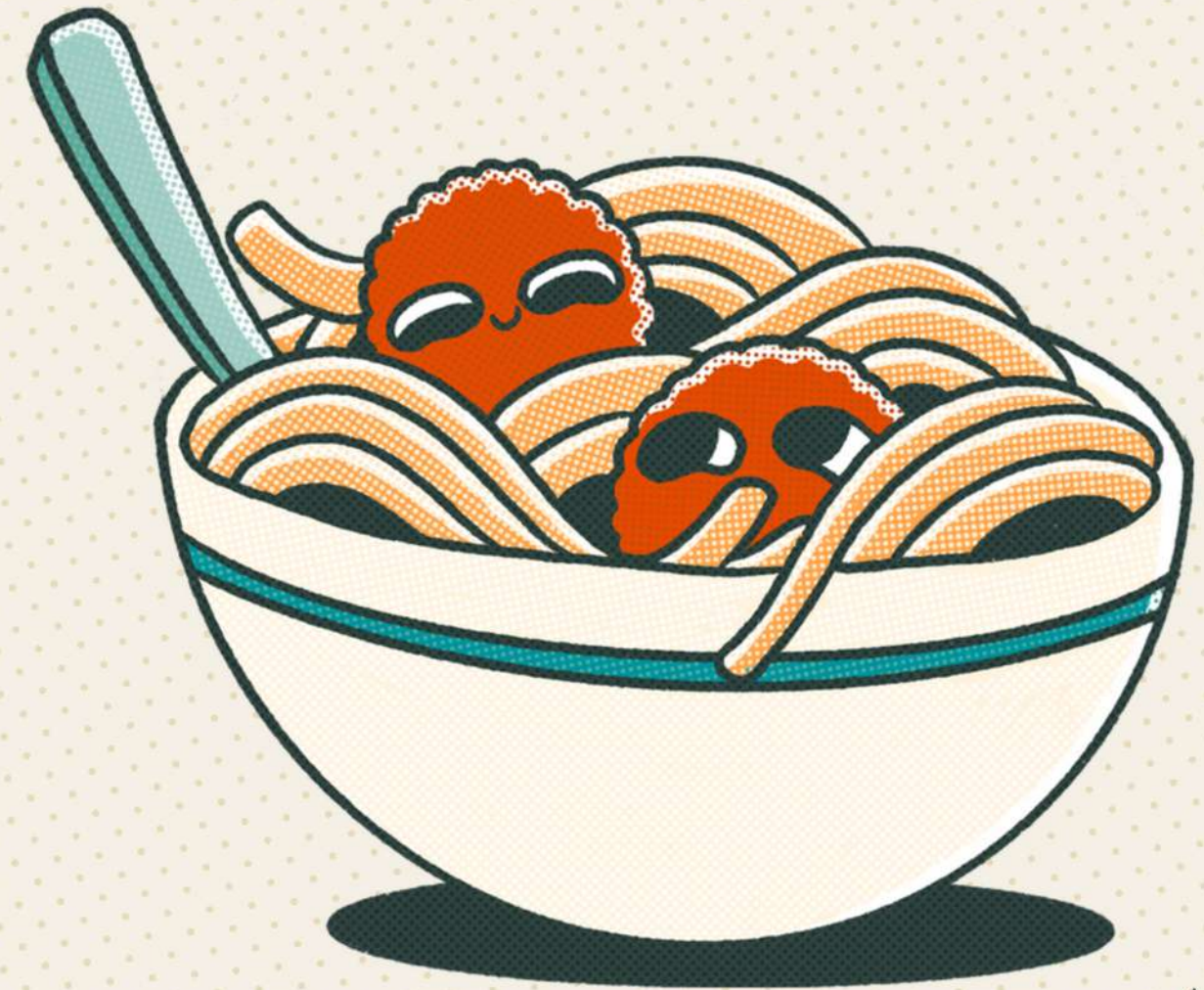
LET'S BEAT GOOGLE!





# ★ OUTLINES

- **Motivation**
- **System Introduction**
- **System Highlights**
- **Demo Video**





# ★ I. Motivation



Solve the **difficulty**  
**of choosing**



Promote  
food culture  
**sharing**

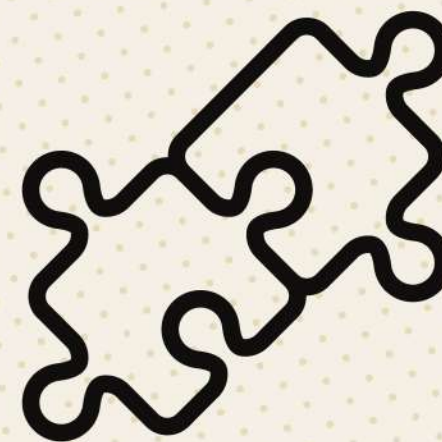


Improve  
**happiness**

Improve  
**search** experience



Meet  
**diverse** needs







**We believe a **good browser** can make it easier to  
find restaurants that meet their expectations,  
enjoy a pleasant dining time,  
and make life better !**







# II. System Introduction

## Target users

FOOGLE is intended for students including, but not limited to NCCU students. As long as they enter any keyword, they can quickly find nearby restaurant recommendations that meet their needs.

## System purpose

By optimizing the search results, this system is tailor-made for each user, providing more accurate restaurant information to facilitate users to quickly find the ideal dining place.





# ★ II. System Introduction

## System functions and usage

FOOGLE uses keyword frequency analysis and weighting algorithms to calculate and score website content.

The system will evaluate the frequency of specific keywords in the website, combined with their weighted importance, and finally generate ranking results to present personalized restaurant recommendations to users that better meet their needs.







# III. System Highlights

## **Rank web pages based on keywords and weight?**

>>> **FOOGLE** ranks by calculating the weighted score of selected keywords in the web page!

Use Node's `calculateScore[]` to calculate the weighted sum of multiple keywords for each website. Pass the results to `sort`, and finally return the sorted results to the front-end for display.







# III. System Highlights

## Use keywords to rank on Google?

>>> **FOOGLE** allows users to enter custom keywords and pass them to the backend for Google searches!

The URL in the search results will be combined with the keyword and its HTML content will be captured.

FOOGLE uses `fetchPageContent[ ]` to read the content, score and reorder the keywords, and return to the front end.





# III. System Highlights

## Extract keywords you may also want to search from Google?

>>> **FOOGLE** will analyze the HTML content of the relevant search area from the search results!

Extract related keywords through LinkedHashMap[] of HtmlHandler. For example, when searching for "coffee shop", you can extract "affordable price", "students", etc. for subsequent searches.

### 其他人也搜尋：

公館美食dcard

公館cp值高美食

公館美食平價

公館美食點心

公館餐廳

公館美食外帶

公館美食ptt

公館夜市美食





# III. System Highlights

**Want to start using FOOGLE at noon but can't access your localhost?**

>>>FOOGLE has established a public website so that users around the world can access it if they have an Internet connection!

>>>FOOGLE : <https://god-of-ds-trdb.onrender.com>



Your Foodie Google!

輸入搜尋關鍵字...

搜尋





# III. System Highlights

**Stage 1 [30%+]: Page Ranking**



**ACHIEVE!**

**Stage 2 [50%+] Site Ranking**



**ACHIEVE!**

**Stage 3 [70%+] Refine rank on Google**



**ACHIEVE!**

**Stage 4 [80%+] Semantics Analysis**



**ACHIEVE!**

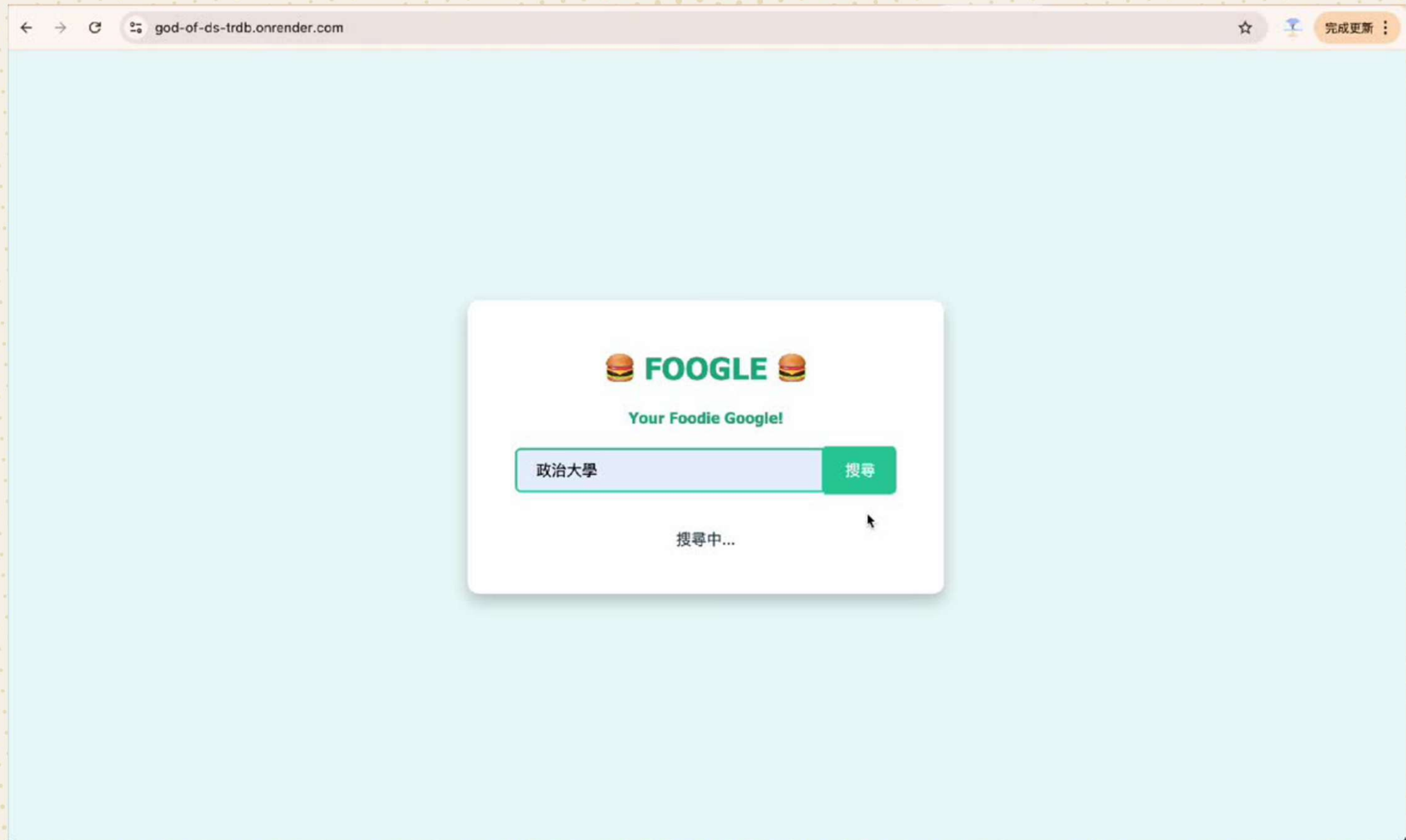
**Stage 5 [90%+] Publish Online**



**ACHIEVE!**



# ★ IV. Demo Video







*Thank*  
**YOU!**

-DS G11-

