



Data Structure – Googoal

Group 11: 林廷奕、蘇建安、樊秉逸、陳彥融

Topic:

Football

TABLE OF CONTENTS

I

Motivation

2

**Search tricks/
Score
formulation**

3

**System design/
Class diagram**

4

Demonstration



The background of the slide features a dark blue gradient. On the right side, there is a white line-art silhouette of a soccer player in a dynamic pose, as if about to kick a ball. A white circle representing a soccer ball is positioned near the player's feet. On the left side, there are several vertical, semi-transparent bars of varying shades of blue and gray, creating a layered effect.

I

Motivation

Motivation

- Because of FIFA World Cup 2022, soccer has been a hot topic recently
- Most of the students in our team love to play soccer from the bottom of their heart
- It is sometimes difficult to specifically search for a soccer player
- Target users : People who are interested in soccer, especially FIFA World Cup.

2

**Search tricks &
score
formulation**



Score formulation

Our default keywords can be divided into six categories

- Topic-related
- Competition
- Renowned players
- Rules of soccer
- Soccer equipment
- The keywords we want to exclude respectively

關鍵字類別	關鍵字	權重
使用者決定	使用者輸入	5
主題相關	足球	4
	運動	3
	球類	3
賽事	世足	2.5
	世界盃	1
	歐國盃	1.5
	歐冠	2
	美洲盃	2
著名球員	C羅	2
	梅西	2.5
	姆巴佩	2
	內馬爾	2

足球規則	分數	1.5
	越位	1.5
	角球	1
	自由球	0.5
足球器具	足球鞋	1
	足球衣	1
	足球護脛	0.5
	足球長襪	0.5
排除類(負權重)	緋聞	-2

3

**System design/
class diagram**



System Design

SearchPage - User interface(the page user can enter keywords to search)

Controller - Give command to the Back end

Tree - Store the nodes

Node - Every web page represents a node

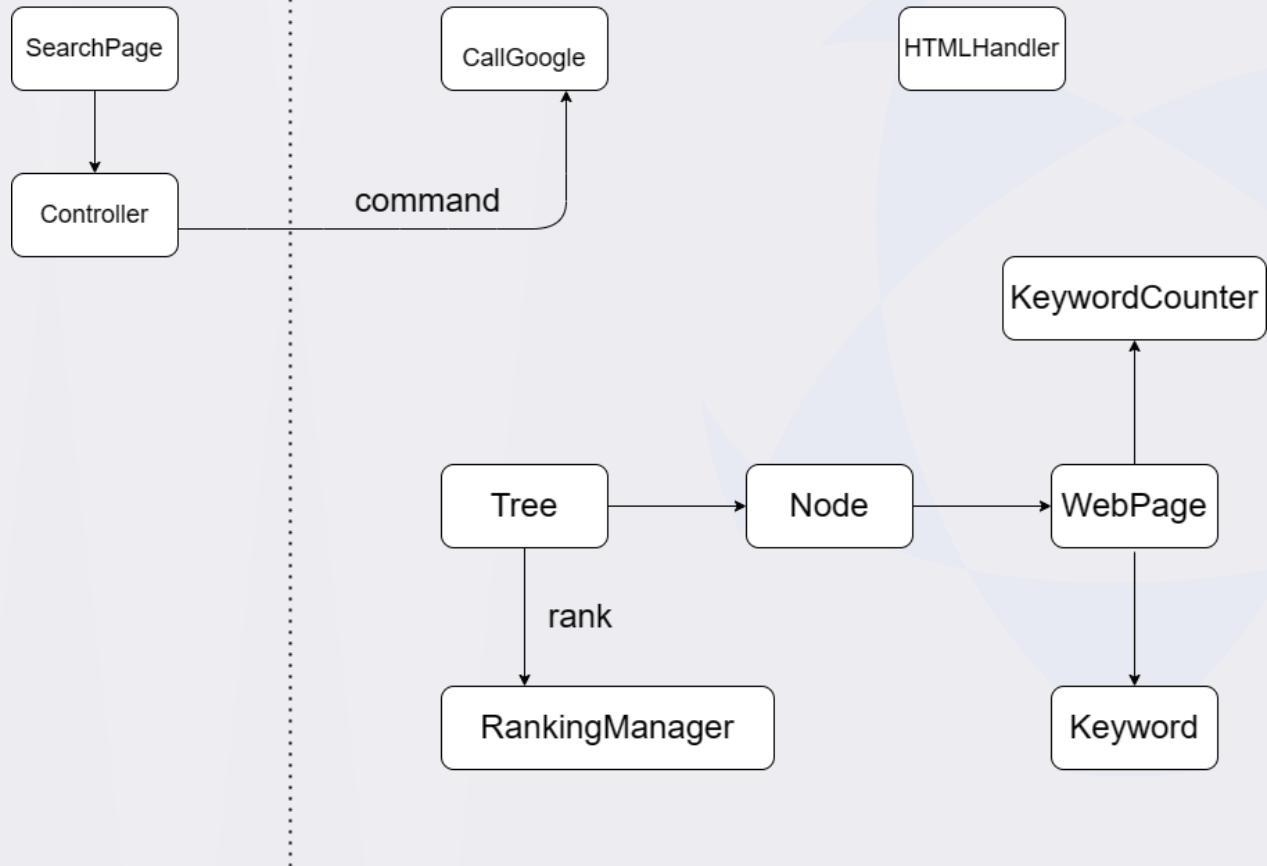
Keyword - Store keywords and their weight

RankingManager - Rank the websites in the WebList

HTMLHandler - Use the content of a web page to get the url and get the url of child page.

Front

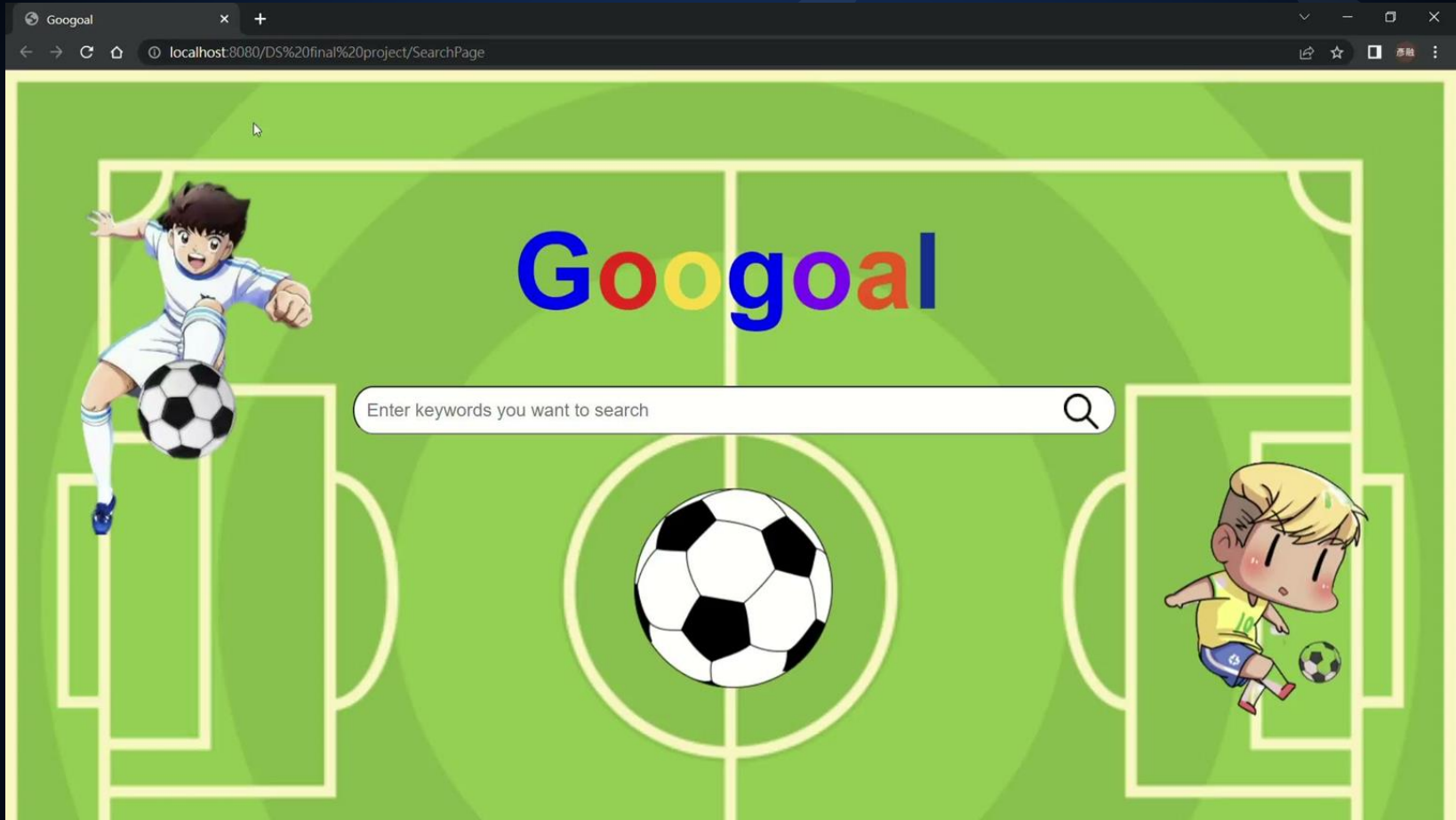
Back End

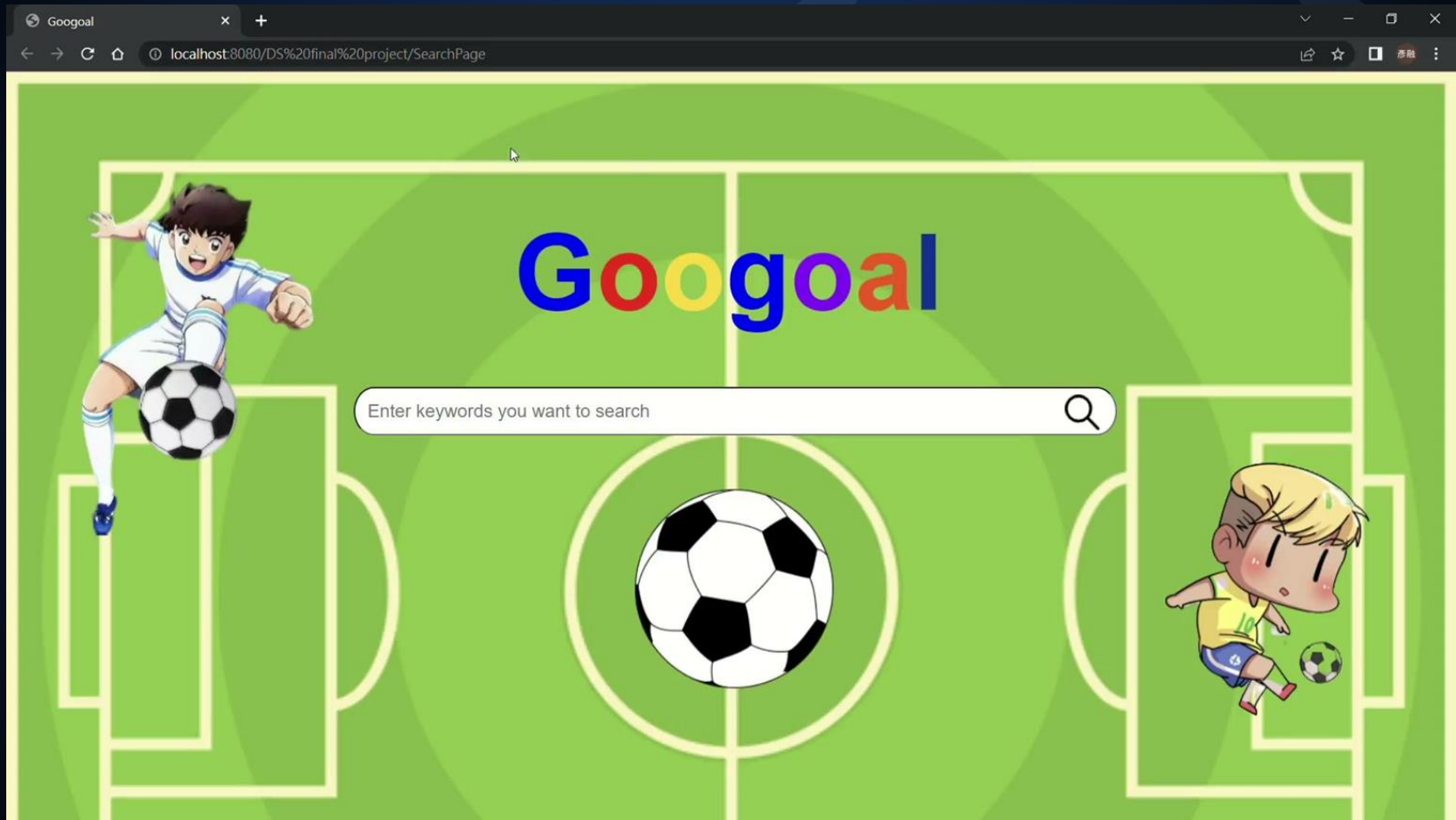


4

Demonstration







Thanks!

