BEAT GOOGLE - MOVIES

Group 14

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I. MOTIVATION ~~~~

Why does it start...

MOTIVATION

Common interest :)

Problem: results are not just about movies

How to solve: create a prioritizing system



https://www.pili.com.tw > role-view ▼

素還真(霹靂系列) - 霹靂布袋戲角色人物介紹

素還真 ... 霹靂化身最多的首席男主角,溫文儒雅、器宇軒昂、超凡脫俗、武學莫測高深、足智多 謀、博學多能、謙虛有禮,處世圓融冷靜、慈悲親和、關懷眾生;以武林和平、天下...

釋 葉小釵・釋 一頁書・八趾麒麟・雜學 解鋒鏑

▶ 影片



《素還真》電影正式預告—2022.1.28 春節見證傳奇 ...

YouTube · PILI 霹靂布袋戲 1個月前



風靡全台30逾年傳奇英雄【素還真】HD中文正式電影預告

YouTube · 觸電網 - 電影情報入口網 1個月前



《素還真》 60秒預告 | 2022.1.28 春節見證傳奇 | DEMIGOD ...

YouTube · PILI 霹靂布袋戲 1週前



全部顯示

https://zh.wikipedia.org > zh-tw > 素還真 ▼

素還真-维基百科,自由的百科全书

素還真,號清香白蓮,為臺灣電視布袋戲影集《霹靂布袋戲》的第一男主角,1988年4月底在《霹 屦金光》第十三集首次出場,有著名出場詩「半神半聖亦半仙,全儒全道是全 ... 參考資料·其他

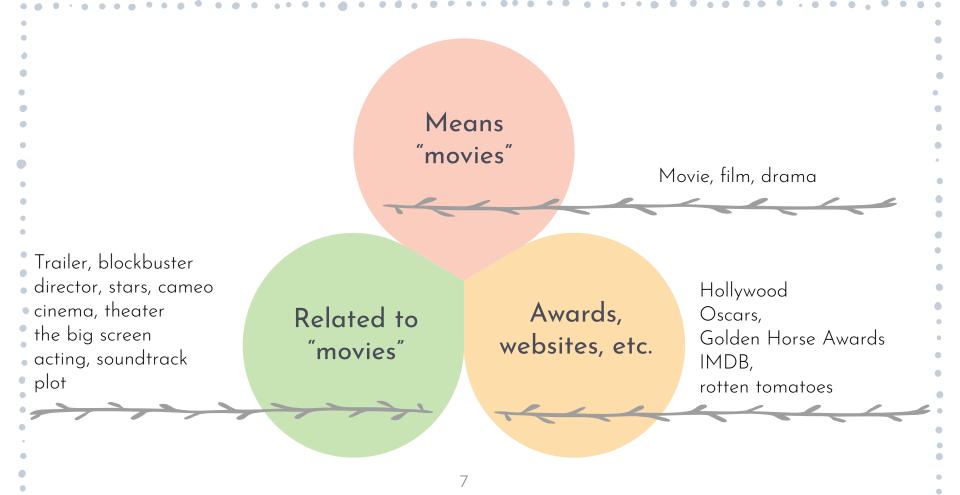
https://www.facebook.com > Pages > Public figure ▼

素還真Su Huan-Jen - Home | Facebook

2.

KEYWORDS & WEIGHTS

The underlying components of the system



Keywords	Weights					
電影	3					
movie	3					
film	3					

Direct correlation: 3 High correlation: 2 Low correlation: 1

Keywords	Weights
影展	2
票房	2
爛番茄	2
大螢幕	2
cinema	2
theatre	2
film	2
IMDB	2
trailer	2

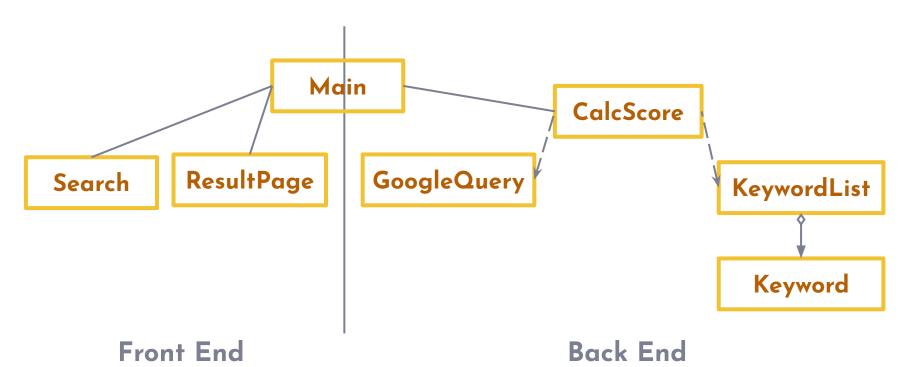
Keywords	Weights
好萊塢	1
奧斯卡	1
金馬獎	1
演	1
客串	1
劇情	1
soundtrack	1
director	1
stars	1

Movie										
Romance	Fantasy	Action	Comedy	Thriller						
E.g. 浪漫、愛情	E.g. robot, alien	E.g. adventure	E.g. hummer	E.g. 推理、horror						

J. CLASS DIAGRAM

The system structure

CLASS DIAGRAM



CLASS DIAGRAM

GoogleQuery

fetchContent(String): String fetchGoogle(String): String

query(String): HashMap<String, String>

CalcScore

countKeyword(String, String): int
calcScore(): HashMap<Integer, ArrayList<String>>
sort(HashMap<Integer, ArrayList<String>>): List<Integer>

KeywordList

 4

TA & HIS/HER PURPOSE

who might be interested & why

TA & PURPOSE

PURPOSE OF USING THE SYSTEM

- Movie lovers
- People who want to search for

information related to movies

Easier to find the websites related to movies

FUNCTIONS

what our system can do

& how to use it

Categories



users only need to type what they want to search and click the button



the system calculates the scores and shows the results on the result page

關於 [影評] 有 30筆資料 (類型 電影)

影響影評網FilmCriticLog | 電影可以影響世界

【企劃】六十位台灣線上影評人的2020年度最佳電影

電影影評 - 闕小豪

柏C的電影雜記-不專業的影評最直覺的觀點希望記錄下看完電影最.

你看過幾部?權威影評網站Indiewire公佈2018年25部必看神片!

網友滿意榜 - 奇摩電影

影評 - 奇摩電影

電影評論

關於 [影評] 有 30筆資料 (類型 悬疑/驚悚)

影響影評網FilmCriticLog | 電影可以影響世界

如履的電影筆記- | 電影評論 | 推薦 | 情報 | 分析

《噩兆》影評. 眼前的一片駭人陰森、逼你從頭到尾坐立難安 - 車庫娛樂

電影影評《真開心Happily》:一部令人捧腹的懸疑黑色喜劇

牠:簡單的故事架構,細緻的鋪陳 影評

「電影影評」現正上映電影與國內外熱門電影作品評論 - 電影神搜

首頁-多多看電影-最新、最豐富的影視評論和新聞!

電影影評 - 闕小豪

TEST PLAN

Methods used for testing throughout the process

TEST PLAN

Walk-through

Objective Desk checking

Unit testing

Integration testing

Performance test

Alpha test

```
Main.java
            UnitTest.java ×
 1 import java.io.IOException;
 6 public class UnitTest {
        public static void main(String[] args) throws IOException {
            System.out.println("Start testing.");
 8
 9
            // searchKeywords: "電影", "adventure", "柯南", "林美秀", "2021", "資料結構", "郁方", "賽車", "0.scar", "tom o
10
            String[] inputs = { "影評" };
11
12
            KeywordList lst = new KeywordList();
13
14
            // filter options: romance, fantasy, action, comedy, thriller (default: "")
15
            lst.filter("horror");
16
17
            for (int i = 0; i < inputs.length; i++) {
                String input = inputs[i];
18
                GoogleQuery google = new GoogleQuery();
19
20
                HashMap<String, String> query = google.query(input);
                int query before = query.size();
21
22
23
                System.out.printf("\nCalculating score...\n");
24
                CalcScore calc = new CalcScore(query, 1st);
                HashMap<Integer, ArrayList<String>> score = calc.calcScore();
25
26
                List<Integer> order = calc.sort(score);
27
28
                for (Integer integer : order) {
                   System.out.printf("%s = %d\n", score.get(integer), integer);
29
30
31
                System.out.printf("\nQuery before size: %d\n", query before);
                System.out.println("Query after size: " + query.size());
32
33
                System.out.println("filter: horror");
                System.out.println();
34
35
36
            System.out.println("End of testing.");
37
38
39 }
```

SCHEDULE ~~~~

How the system was gradually formed... and the progress of the whole project

SCHEDULE

	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	W16	W17	W18
Project Initiation													
Structure Design													
Back End Coding													
Front End Coding													
Testing & Debugging													1/10
Report												1/6	1/11
Presentation Preparation													1/12~ 1/13
Demo						22							

MODE DICE

WORK DISTRIBUTION

How do we cooperate:)



Page rank Site rank



Web Page

林怡蕙

Call Google Related keywords 葉於芊

PPT Final Report 9.

PROBLEMS ENCOUNTERED & SOLUTIONS

what we had trouble dealing with &

how we solved them

PROBLEMS ENCOUNTERED

Connect front end with back end

Convert final result into a webpage

Results not necessarily ranked according to categories

PROBLEMS ENCOUNTERED



Servlet response 400/403/404 bad request

HTTP Status 400 – Bad Request

Type Exception Report

Message Request header is too large

Description The server cannot or will not process the request due to something that is perceived to be a client en

Exception

HTTP Status 403 - Forbidden

Type Status Report

Message Could not verify the provided CSRF token because your session was not found.

Description The server understood the request but refuses to authorize it.

Apache Tomcat (TomEE)/8.5.41 (7.0.6)

PROBLEMS ENCOUNTERED & SOLUTIONS

Servlet response 400 & 403 bad request

PROBLEMS ENCOUNTERED & SOLUTIONS

^V**^**V^V^V^V^V^V^V^V^V^V^V^V^V^V

Java. 10. Exception Premature EOF

```
論。java.security.InvalidKeyException: IOException: Detect premature EOF content={"code":"10000", "msg":"Success", "out_trade_no":"20191009681975330", "qr_code":"https:\/\qr.alipay.com\/bax08876xtkegkpv9lxg50d5"}, charset=utf-8, public Key=MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAsH3BzT1SOGRniX92HOwlJmhGBaYb7k/3 cqakd6mk6pf919zoKLPb9uh91m7eccP/t9YWzxF3BwvsclXEux/bXrRCSVoHZPKonHvQwwynzAPoRjp BvZP8/1200gm/yCB9ytkKDydwxCkc9dHAFuVcsA19v9iGqyS4E28P9cXjWn08Lh4BzP26a2bY0MIGC1iHPgNTDz1nSdH6eTGIKFJKyI9rPxQefio/nK7H1dlccHcmOuU8LeYDqXBWAwt54JOMQ75Q2LnYV4l+X EGxTlwjhB/nhdl6oufqb1Cwko5dcmg74rXYCGZQWyLRvADg
```

```
if (conn.getResponseCode() == 403 || conn.getResponseCode() == 400 || conn.getResponseCode() == 404) {
    retVal = url;
    System.out.printf("Error %d: %s\n". conn.getResponseCode(). retVal);
} else {
    InputStream in = conn.getInputStream();
    retVal = new String(in.readAllBytes(), StandardCharsets.UTF_8); // will fail with large amounts of data
}
} catch (MalformedURLException e) {
    e.printStackTrace();
    retVal = url;
} catch (IOException e) {
    e.printStackTrace();
    retVal = url;
}
```

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PROBLEMS ENCOUNTERED & SOLUTIONS

Server redirected too many times (20)

```
Exception in thread "main" java.net.ProtocolException: Server redirected too many times (20)
at sun.net.www.protocol.http.HttpURLConnection.getInputStream(Unknown Source)
at sun.net.www.protocol.https.HttpsURLConnectionImpl.getInputStream(Unknown Source)
at java.net.URL.openStream(Unknown Source)
at URLReaderWithOptions.main(URLReaderWithOptions.java:58)
```

10. FUTURE EXPECTATIONS

What we hope to achieve

FUTURE EXPECTATIONS



More keywords (to be more accurate)



More categories



Other types besides movies, e.g. TV series, comics



Other languages

THANK YOU LISTENING



Group 14